



**Poster Programme**



**POSTER SESSION 1**  
**Sunday 15<sup>th</sup> March, 19:00 – 20:45**

Poster Number	Poster Presenter	Title, Authors & Affiliations	
<b>Symposium A - Bioinspired</b>			
[A1.1.01]	S. & E.	Amigoni & Taffin De Givenchy	<b>Auto-bactericidal surfaces obtained by plasma induced covalent grafting</b> E. Taffin De Givenchy*, A. Soufi, F. Guittard, S. Amigoni*, <i>Université de Nice, France</i>
[A1.1.02]	D.	Appelhans	<b>Dendritic sugar balls for biological experiments driven by H-bonds</b> D. Appelhans* <sup>1</sup> , H. Komber <sup>1</sup> , B. Voit <sup>1</sup> , S. Schwarz <sup>1</sup> , B. Klajnert <sup>2</sup> , M. Bryszewska <sup>2</sup> , et al, <sup>1</sup> <i>Leibniz Institute of Polymer Research Dresden, Germany</i> , <sup>2</sup> <i>University of Lodz, Poland</i>
[A1.1.03]	S.	Brewer	<b>Plastron respiration, synthetic mimics</b> S. Brewer* <sup>1</sup> , R. Reeve <sup>1</sup> , S. Smith <sup>1</sup> , W. Mothersole <sup>1</sup> , G. McHale <sup>2</sup> , <sup>1</sup> <i>Dstl, UK</i> , <sup>2</sup> <i>Nottingham Trent University, UK</i>
[A1.1.04]	E.	Gallino	<b>Plasma polymerized allylamine films deposited on 316L stainless steel for cardiovascular stent coating</b> E. Gallino* <sup>1,2</sup> , F. Arefi-Khonsari <sup>1</sup> , D. Mantovani <sup>2</sup> , M. Tatoulian <sup>1</sup> , <sup>1</sup> <i>University Paris 6, France</i> , <sup>2</sup> <i>Laval University and University Hospital Research Center, Canada</i>
[A1.1.05]	L.	Gorbatikh	<b>Insights into toughening mechanisms of composite materials with bimodal size inclusions</b> L. Gorbatikh*, S.V. Lomov, I. Verpoest, <i>Katholieke Universiteit Leuven, Belgium</i>
[A1.1.06]	S.H.	Han	<b>Enhanced cellular activity of siRNA-inorganic nanohybrid</b> S.H. Han* <sup>1</sup> , D.H. Park <sup>1,2</sup> , J.H. Choy <sup>1</sup> , <sup>1</sup> <i>Ewha Womans University, Korea</i> , <sup>2</sup> <i>Yonsei University, Korea</i>
[A1.1.07]	S.H.	Han	<b>Cellular mechanism of inorganic nanovehicle encapsulated with anticancer drug</b> S.H. Han* <sup>1</sup> , J.A. Kim <sup>1</sup> , J.M. Oh <sup>1,2</sup> , S.J. Choi <sup>1,3</sup> , J.H. Choy <sup>1</sup> , <sup>1</sup> <i>Ewha Womans University, Korea</i> , <sup>2</sup> <i>Yonsei University, Korea</i> , <sup>3</sup> <i>Seoul Women's University, Korea</i>
[A1.1.08]	B.	Hering	<b>Nacre as modle for bio-inspired implant materials - synthetic approaches</b> B. Hering* <sup>1</sup> , P. Behrens <sup>1</sup> , S. Waraich <sup>2</sup> , O. Helmecke <sup>2</sup> , H. Menzel <sup>2</sup> , <sup>1</sup> <i>Leibniz Universität Hannover, Germany</i> , <sup>2</sup> <i>Technische Universität Braunschweig, Germany</i>
[A1.1.09]	I.	Illiopoulos	<b>Chain conformation and molecular recognition in thermosensitive polymers: Bio-inspired polymers for controlled release</b> G. Carré de Lusancay, S. Norvez, I. Illiopoulos*, <i>ESPCI, France</i>
[A1.1.10]	O.N.	Lazarenko	<b>Atomic force microscopy for prediction the vascular tissue reaction (experimental study)</b> T.A. Aleksyeyeva <sup>1</sup> , O.N. Lazarenko* <sup>1,2</sup> , A.O. Lazarenko <sup>1,2</sup> , P.M. Lytvyn <sup>1</sup> , N.T. Kartel <sup>1,2</sup> , <sup>1</sup> <i>NAS of Ukraine, Ukraine</i> , <sup>2</sup> <i>National Medical Academy of Postgraduate Education, Ukraine</i>
[A1.1.11]	H.T.	Liu	<b>Biomedical polyurethane/silk fibroin biohybrids: Wet spinning of silk-inspired polyurethane biofibers containing peptide links</b> H.T. Liu* <sup>1,2</sup> , W.L. Xu <sup>2</sup> , <sup>1</sup> <i>Donghua University, China</i> , <sup>2</sup> <i>Wuhan University of Science &amp; Engineering, China</i>
[A1.1.12]	S.	Louguet	<b>Formation of drug delivery nanovectors based on polyelectrolyte adsorption onto magnetic nanoparticles</b> S. Louguet* <sup>1,2</sup> , C. Schatz <sup>1</sup> , J.F. Le Meins <sup>1</sup> , S. Mornet <sup>2</sup> , E. Duguet <sup>2</sup> , S. Lecommandoux <sup>1</sup> , <sup>1</sup> <i>LCPO, France</i> , <sup>2</sup> <i>ICMCB, France</i>
[A1.1.13]	M.N.	Markelova	<b>Hybrid nanoparticles with controlled Curie temperature for local tumor hyperthermia and fluorescence imaging</b> O.Y. Gorbenko <sup>1</sup> , M.N. Markelova* <sup>1</sup> , O.V. Melnikov <sup>1</sup> , A.R. Kaul <sup>1</sup> , B.M. Odintsov <sup>2</sup> , E.J. Roy <sup>2</sup> , et al, <sup>1</sup> <i>Moscow State University, Russia</i> , <sup>2</sup> <i>University of Illinois at Urbana-Champaign, USA</i>
[A1.1.14]	L.	Olenic	<b>DNA as biomolecular template for metallic nanostructures</b> L. Olenic* <sup>1</sup> , S. Pruneanu <sup>1,2</sup> , S.A.F. Al-Said <sup>2</sup> , N.G. Wright <sup>2</sup> , A. Houlton <sup>2</sup> , B.R. Horrocks <sup>2</sup> , <sup>1</sup> <i>National Institute of R&amp;D for Isotopic and Molecular Technologies, Romania</i> , <sup>2</sup> <i>University of Newcastle, UK</i>
[A1.1.15]	M.	Otter	<b>Cell growth on monolayers of functionalized zeolite L crystals</b> M. Otter*, L. De Cola, <i>University Muenster, Germany</i>
[A1.1.16]	D.H.	Park	<b>Nanoforensic science meets nanohybrid-driven optical DNA identification</b> D.H. Park* <sup>1,2</sup> , M.W. Jang <sup>1</sup> , S.H. Han <sup>1</sup> , J.M. Oh <sup>2</sup> , Y.G. Shul <sup>2</sup> , J.H. Choy <sup>1</sup> , <sup>1</sup> <i>Ewha Womans University, Korea</i> , <sup>2</sup> <i>Yonsei University, Korea</i>
[A1.1.17]	D.H.	Park	<b>Enhanced UV A1 screening of caffeic acid-intercalated nanohybrid</b> Y.M. Park <sup>1</sup> , D.H. Park* <sup>1,2</sup> , Y.G. Shul <sup>2</sup> , J.H. Choy <sup>1</sup> , <sup>1</sup> <i>Ewha Womans University, Korea</i> , <sup>2</sup> <i>Yonsei University, Korea</i>
[A1.1.18]	L.	Patron	<b>Synthesis and characterization of Cu(II), Co(II), Zn(II), Cd(II) and Ln(III) piroxicam coordination compounds</b> L. Patron* <sup>1</sup> , G. Marinescu <sup>1</sup> , D.C. Culita <sup>1</sup> , S. Nita <sup>2</sup> , F. Tuna <sup>3</sup> , N. Stanica <sup>1</sup> , <sup>1</sup> <i>Institute of Physical Chemistry "Ilie Murgulescu", Romania</i> , <sup>2</sup> <i>National Institute of Chemical-Pharmaceutical Research and Development, Romania</i> , <sup>3</sup> <i>University of Manchester, UK</i>

[A1.1.19]	A.E.	Peter	<b>Design of bio-inspired adhesives with hierarchical structures</b> A.E. Peter*, A. Ghatak, <i>Indian Institute of Technology, India</i>
[A1.1.20]	G.	Pourroy	<b>Dendronised magnetite nanoparticles as contrast agent for MRI</b> B. Basly <sup>1</sup> , D. Felder-Flesch <sup>1</sup> , P. Perriat <sup>1,2</sup> , G. Pourroy*, S. Bégin-Colin <sup>1</sup> , <sup>1</sup> IPCMS, <i>France</i> , <sup>2</sup> INSA Lyon, <i>France</i>
[A1.1.21]	S.	Pruneanu	<b>DNA templated silver nanowires</b> S. Pruneanu* <sup>1,2</sup> , S.A.F. Al-Said <sup>2</sup> , L. Olenic <sup>1</sup> , N.G. Wright <sup>2</sup> , A. Houlton <sup>2</sup> , B.R. Horrocks <sup>2</sup> , <sup>1</sup> National Institute for R&D of Isotopic and Molecular Technologies, <i>Romania</i> , <sup>2</sup> University of Newcastle, <i>UK</i>
[A1.1.22]	A.	Rakovich	<b>Hybrid material from fluorescent quantum dots and photochromic membrane protein bacteriorhodopsin: Engineering and dynamic optical switching applications</b> A. Rakovich* <sup>3</sup> , I. Nabiev <sup>1</sup> , A. Sukhanova <sup>1</sup> , S. Haacke <sup>2</sup> , M. Molinari <sup>1</sup> , M. Troyon <sup>1</sup> , et al, <sup>1</sup> Université de Reims Champagne-Ardenne, <i>France</i> , <sup>2</sup> IPCMS-GONLO, <i>France</i> , <sup>3</sup> Trinity College Dublin, <i>Ireland</i>
[A1.1.23]	M.	Roskamp	<b>Switchable coiled coil peptide-induced organization of gold nanoparticles</b> M. Roskamp*, S.C. Wagner, B. Koksich, S. Schlecht, <i>Freie Universität Berlin, Germany</i>
[A1.1.24]	M.S.	San Román	<b>Intercalation of p-cumaric acid, phenylalanine and OTA into LDH's</b> M.S. San Román*, M.A. García, M.J. Holgado, <i>Universidad de Salamanca, Spain</i>
[A1.1.25]	S.	Sen	<b>The application of chemically polymerized 4-(1h-1 pyrrolyl) benzoic acid as glucose biosensor</b> S. Sen* <sup>1</sup> , A. Uygun <sup>2</sup> , T. Tilki <sup>2</sup> , M. Uluturk <sup>2</sup> , <sup>1</sup> Mehmet Akif Ersoy University, <i>Turkey</i> , <sup>2</sup> Süleyman Demirel University, <i>Turkey</i>
[A1.1.26]	P.	Laaksonen	<b>Borrowing from nature: Protein self-assembly for nanostructured hybrid materials</b> P. Laaksonen*, T. Blomqvist, K. Kurppa, A. Paananen, G. Szilvay, M. Linder, <i>VTT Biotechnology, Finland</i>
[A1.1.27]	S.C.	Wagner	<b>Nanoparticle induced folding and fibril formation</b> S.C. Wagner*, M. Roskamp, C. Böttcher, S. Schlecht, B. Koksich, <i>Freie Universität Berlin, Germany</i>
[A1.1.28]	G.	Popova	<b>Synthesis and synergetic properties of several nanoscale hybrids</b> G. Popova*, M. Vantsyan, <i>Mendeleyev University of Chemical Technology of Russia, Russia</i>
<b>Symposium A - Biomineralisation</b>			
[A1.2.01]	---	---	<b>Paper Withdrawn</b>
[A1.2.02]	E.	Brunner	<b>Aragonite-silica and calcite-silica biocomposites: Novel hybrid materials found in marine sponges</b> H. Ehrlich, E. Brunner*, <i>Dresden University of Technology, Germany</i>
[A1.2.03]	I.	Gómez	<b>Biosynthesis of CdS and ZnS from two fungi</b> L. Reyes, I. Gómez*, M.T. Garza, M. Hinojosa, Y. Méndez, <i>Universidad Autónoma de Nuevo León, Mexico</i>
[A1.2.04]	A.	Heredia	<b>Study of the changes in the hybrid composition of cell walls of nitschia sp. diatom as response to Cd<sup>2+</sup> toxicity: An ATR-FTIR analysis</b> C. Rodrigues, C. Oliveira, A. Heredia*, I. Delgadillo, E. Figueira, S. Almeida, <i>Universidade de Aveiro, Portugal</i>
[A1.2.05]	F.	Kovanda	<b>Intercalation of risedronate into Mg-Al hydrotalcite</b> F. Kovanda*, M. Jiricková, E. Leitmannová, <i>Institute of Chemical Technology, Czech Republic</i>
<b>Symposium A - Sol-gel</b>			
[A1.3.01]	V.	Ball	<b>Reactive layer-by-layer deposition performed by spray: Composite films containing polycations, SiO<sub>2</sub> or TiO<sub>2</sub> nanoparticles with optical and photoinduced superhydrophilicity properties</b> N. Laugel <sup>1</sup> , J. Hemmerlé <sup>2,3</sup> , N. Ladhari <sup>2,3</sup> , J.C. Voegel <sup>2,3</sup> , P. Schaaf <sup>1</sup> , V. Ball* <sup>2,3</sup> , <sup>1</sup> Centre National de la Recherche Scientifique, <i>France</i> , <sup>2</sup> Institut National de la Santé et de la Recherche Médicale, <i>France</i> , <sup>3</sup> Université de Strasbourg, <i>France</i>
[A1.3.02]	D.	Böcking	<b>Effects of mesoporous silica films on cultivation of human cells</b> D. Böcking*, N.K. Hüsing, <i>Ulm University, Germany</i>
[A1.3.03]	T.	Coradin	<b>Encapsulation of micro-algae in mineral matrices for bio-controlled nanoparticle formation</b> C. Sicard <sup>1,2</sup> , R. Brayner <sup>1</sup> , F. Fiévet <sup>1</sup> , J. Livage <sup>2</sup> , T. Coradin* <sup>2</sup> , <sup>1</sup> Paris Diderot, <i>France</i> , <sup>2</sup> Paris VI, <i>France</i>
[A1.3.04]	C.	Desfours	<b>Optical sensors for biomolecules detection</b> C. Desfours* <sup>1</sup> , S. Calas <sup>1</sup> , F.J.G. Cuisinier <sup>2</sup> , R. Horvath <sup>3</sup> , C. Gergely <sup>1</sup> , P. Etienne <sup>1</sup> , <sup>1</sup> Université Montpellier II, <i>France</i> , <sup>2</sup> Université Montpellier I, <i>France</i> , <sup>3</sup> Risø National Laboratory, <i>Denmark</i>
[A1.3.05]	M.F.	Desimone	<b>Immobilization of hybridoma cells in sol-gel silica matrices</b> M.F. Desimone* <sup>1</sup> , M.C. De Marzi <sup>2</sup> , G.S. Alvarez <sup>1</sup> , E.L. Malchiodi <sup>2</sup> , L.E. Diaz <sup>1</sup> , <sup>1</sup> Universidad de Buenos Aires, <i>Argentina</i> , <sup>2</sup> IQUIMEFA, IDEHU-CONICET, <i>Argentina</i>

[A1.3.06]	S.S.	Ivanchev	<b>Silicone hydrogels on the basis of interpenetrating polymer networks</b> S.S. Ivanchev <sup>1</sup> , V.N. Pavlyuchenko <sup>2</sup> , S.J. Khaikin <sup>1</sup> , V.F. Danilichev <sup>2</sup> , N.A. Ushakov <sup>2</sup> , S.V. Myakin <sup>1</sup> , <sup>1</sup> <i>Boreskov Institute of Catalysis, Russia</i> , <sup>2</sup> <i>Medical Military Academy, Russia</i>
[A1.3.07]	J.D.	Jarrell	<b>Rapid development of photoactive solid state dispersions as biointerfaces for orthopaedic implants</b> J.D. Jarrell <sup>1</sup> , E.C. Werlin <sup>2</sup> , B. Weinstock <sup>2</sup> , S.D. Puckett <sup>2</sup> , J.R. Morgan <sup>2</sup> , D.M. Ciombor <sup>1,2</sup> , et al, <sup>1</sup> <i>VA Center for Restorative and Regenerative Medicine, USA</i> , <sup>2</sup> <i>Brown University, USA</i>
[A1.3.08]	A.	Osaka	<b>Self-catalyzed synthesis of amino-modified silica nanoparticles</b> S. Chen <sup>1</sup> , S. Hayakawa <sup>1</sup> , K. Tsuru <sup>1,2</sup> , Y. Shirosaki <sup>1</sup> , A. Osaka <sup>1</sup> , <sup>1</sup> <i>Okayama University, Japan</i> , <sup>2</sup> <i>Kyushu University, Japan</i>
[A1.3.09]	A.	Pannier	<b>Sol-gel immobilized microorganisms (biocers) as biofilters for MTBE removal</b> A. Pannier*, K. Muschter, U. Soltmann, H. Böttcher, <i>GMBU e.V., Germany</i>
[A1.3.10]	S.J.L.	Ribeiro	<b>New luminescent amidosils from ricinoleic acid and 3-aminopropyltriethoxysilane</b> K.S. Arruda <sup>1</sup> , S.J.L. Ribeiro <sup>1</sup> , Y. Messaddeq <sup>1</sup> , L.D. Carlos <sup>2</sup> , V.Z. Bermudez <sup>3</sup> , E. Pecoraro <sup>2</sup> , et al, <sup>1</sup> <i>Instituto de Química, Brazil</i> , <sup>2</sup> <i>Universidade de Aveiro, Portugal</i>
[A1.3.11]	M.M.	Silva	<b>Study of K+-doped biohybrids for electrochromic devices</b> M. Fernandes <sup>1</sup> , V. de Zea Bermudez <sup>1</sup> , P.C. Barbosa <sup>2</sup> , L.C. Rodrigues <sup>2</sup> , M.M. Silva <sup>2</sup> , A. Pawlicka <sup>1</sup> , <sup>1</sup> <i>University of Trás-os-Montes e Alto Douro, Portugal</i> , <sup>2</sup> <i>University of Minho, Portugal</i> , <sup>3</sup> <i>University of São Paulo, Brazil</i>
[A1.3.12]	U.	Soltmann	<b>Immobilization of living microalgae within sol-gel matrices for applications in biotechnology</b> G. Rode, U. Soltmann*, H. Böttcher, <i>GMBU e.V., Germany</i>
[A1.3.13]	I.K.	Battisha	<b>Highly efficient up-conversion luminescence of Nd3+ sensitized By Yb3+ and Ho3+ in nano-structure BaTiO3 doped with Ho3+, Nd3+ and Yb3+. prepared by sol gel techniq</b> I. K. Battisha <sup>1</sup> , Y. Badr <sup>2</sup> , A.G. Abd El Fattah <sup>1</sup> , <i>National Research Center, Egypt<sup>1</sup>, Cairo University, Egypt<sup>2</sup></i>
[A1.3.14]	C.V.	Santilli	<b>Controlled cis-platinum delivery from siloxane-polyether hybrid matrix</b> E.F. Molina <sup>1,2</sup> , I.A. Chiavacci <sup>1</sup> , S.H. Pulcinelli <sup>1</sup> , C.V. Santilli <sup>1</sup> , S. Blanchandin <sup>2</sup> , V. Briois <sup>3</sup> ; <sup>1</sup> <i>UNESP, Brazil</i> , <sup>2</sup> <i>Synchrotron SOLEIL L'Orme des Merisiers, France</i>
<b>Symposium B – Sol-gel</b>			
[B1.1.01]	M.	Adam	<b>Foamed hybrid materials for catalytic applications</b> M. Adam*, M. Wilhelm, M. Bäumer, G. Grathwohl, <i>University of Bremen, Germany</i>
[B1.1.02]	M.	Aparicio	<b>Hybrid organic-inorganic sol-gel coatings produced from sols with controlled polymerization for corrosion protection of AA2024 alloys</b> N.C. Rosero-Navarro <sup>1</sup> , S.A. Pellice <sup>1,2</sup> , Y. Castro <sup>1</sup> , A. Durán <sup>1</sup> , M. Aparicio <sup>1</sup> , <sup>1</sup> <i>Instituto de Cerámica y Vidrio, Spain</i> , <sup>2</sup> <i>Instituto de Investigación en Ciencia y Tecnología de Materiales, Argentina</i>
[B1.1.03]	E.	Baudrin	<b>Bottom up approach for potentiometric ion sensing: From inorganic to hybrid organic/inorganic materials</b> E. Baudrin*, N. Dormoy, P. Rouge, M. Benazza, A. Dassonville, P. Sonnet, et al, <i>Université de Picardie Jules Verne, France</i>
[B1.1.04]	I.	Bilecka	<b>Microwave-assisted nonaqueous sol-gel route to metal oxide nanoparticles</b> I. Bilecka*, M. Niederberger, <i>ETH Zuerich, Switzerland</i>
[B1.1.05]	A.	Bleuzen	<b>Controlled precipitation of photomagnetic prussian blue analogue nanoparticles in a silica matrix</b> G. Fornasieri, P. Durand, A. Bleuzen*, <i>Université de Paris-Sud, France</i>
[B1.1.06]	A.	Bock	<b>Inorganic-organic materials for optical applications</b> A. Bock*, V. Fodermeyer, T. Pieper, M. Timpel, R. Houbertz, G. Sextl, <i>Fraunhofer ISC, Germany</i>
[B1.1.07]	C.	Bodson	<b>Study of the structure of P-doped TiO2 xerogels in relation with their formation mechanism</b> C. Bodson <sup>1</sup> , S. Lambert <sup>1</sup> , C. Alié <sup>1</sup> , X. Cattoën <sup>2</sup> , C. Bied <sup>2</sup> , J.J.E. Moreaux <sup>2</sup> , et al, <sup>1</sup> <i>Université de Liège, Belgium</i> , <sup>2</sup> <i>Institut Charles Gerhardt Montpellier, France</i>
[B1.1.08]	S.	Borsacchi	<b>Multinuclear solid-state NMR study of PE-PEG/PHS/silica hybrid coatings for barrier properties improvement</b> M. Geppi <sup>1</sup> , S. Borsacchi <sup>1</sup> , M. Marini <sup>2</sup> , M. Toselli <sup>3</sup> , F. Pilati <sup>2</sup> , F. Martini <sup>1</sup> , <sup>1</sup> <i>Università di Pisa, Italy</i> , <sup>2</sup> <i>Università di Modena e Reggio Emilia, Italy</i> , <sup>3</sup> <i>Università di Bologna, Italy</i>
[B1.1.09]	S.	Borsacchi	<b>The role of solid-state NMR for the study of organic/inorganic multicomponent materials</b> M. Geppi, S. Borsacchi*, G. Mollica, C.A. Veracini, <i>Università di Pisa, Italy</i>
[B1.1.10]	P.	Boy	<b>Nanocomposite piezoelectric thick films: Application to high frequency single and arrays transducers</b> P. Boy <sup>1</sup> , A. Bardaine <sup>1</sup> , P. Belleville <sup>1</sup> , L. Bianchi <sup>1</sup> , G. Férin <sup>2</sup> , F. levassort <sup>3</sup> , et al, <sup>1</sup> <i>CEA, France</i> , <sup>2</sup> <i>Vermon SA, France</i> , <sup>3</sup> <i>François Rabelais University, France</i>

[B1.1.11]	J.M.A.	Caiut	<b>Modified silicate spheres doped with porphyrins for bio – labels</b> J.M.A. Caiut <sup>1,2</sup> , A.P. Duarte <sup>1</sup> , Y. Messaddeq <sup>1</sup> , J. Dexpert-Ghys <sup>2</sup> , S. Nakagaki <sup>3</sup> , S.J.L. Ribeiro <sup>1</sup> , et al, <sup>1</sup> São Paulo State University, Brazil, <sup>2</sup> Centre d'Elaboration de Materiaux et d'Etudes Structurales, France, <sup>3</sup> Federal University of Paraná, Brazil
[B1.1.12]	G.	Carbajal de la Torre	<b>Corrosion study of ceramic and hybrid sol-gel coatings in acid solutions</b> G. Carbajal de la Torre <sup>*1</sup> , I.E. Abraira-Muñoz <sup>1</sup> , G. Solorio <sup>1</sup> , M.A. Espinosa Medina <sup>2</sup> , <sup>1</sup> Universidad Michoacana de San Nicolas de Hidalgo, Mexico, <sup>2</sup> UMSNH, Mexico
[B1.1.13]	L.D.	Carlos	<b>Lanthanide-containing light-emitting organic-inorganic hybrids: A bet on the future</b> L.D. Carlos <sup>*1</sup> , R.A.S. Ferreira <sup>1</sup> , V. de Zea Bermudez <sup>2</sup> , S.J.L. Ribeiro <sup>3</sup> , <sup>1</sup> University of Aveiro, Portugal, <sup>2</sup> University of Trás-os-Montes e Alto Douro, Portugal, <sup>3</sup> São Paulo State University, Brazil
[B1.1.14]	X.	Cattoën	<b>Hybrid materials based on bipyridine ligands for highly luminescent materials</b> S.S. Nobre <sup>1,2</sup> , X. Cattoën <sup>*1</sup> , C. Carcel <sup>1</sup> , R.A.S. Ferreira <sup>2</sup> , L.D. Carlos <sup>2</sup> , M. Wong Chi Man <sup>1</sup> , <sup>1</sup> Institut Charles Gerhardt Montpellier, France, <sup>2</sup> University of Aveiro, Portugal
[B1.1.15]	K.	Cholewa-Kowalska	<b>Various inorganic-organic hybrid materials as the matrix for organic dyes</b> M. Laczka <sup>1</sup> , K. Cholewa-Kowalska <sup>*1</sup> , M. Nocun <sup>1</sup> , Z. Olejniczak <sup>2</sup> , <sup>1</sup> AGH-University of Science and Technology, Poland, <sup>2</sup> Polish Academy of Sciences, Poland
[B1.1.16]	T.M.H.	Costa	<b>Two-dimensional molecular spaced silica based xerogel material obtained by the presence of amine groups in the layered structure</b> C.M. da Trindade, G.C. Stoll, C.C. Moro, T.M.H. Costa <sup>*</sup> , E.V. Benvenutti, Instituto de Química, Brazil
[B1.1.17]	T.M.H.	Costa	<b>Benzothiazole type dye incorporated in silica hybrid xerogels: The influence of the matrix organic content in the ES IPT fluorescence</b> S.R. Grando, T.M.H. Costa <sup>*</sup> , F.S. Rodembush, V. Stefani, M.R. Gallas, E.V. Benvenutti, et al, Federal University of Rio Grande do Sul, Brazil
[B1.1.18]	G.	Creff	<b>In situ mechanistic studies of the nanostructuring of hybrid silicas</b> G. Creff <sup>*1</sup> , J.L. Bantignies <sup>1</sup> , M. Wong Chi Man <sup>2</sup> , et al, <sup>1</sup> Laboratoire des Colloïdes, Verres et Nanomatériaux, France, <sup>2</sup> Laboratoire Architectures Moléculaires et Matériaux Nanostructurés, France
[B1.1.19]	O.	Dellea	<b>UVA laser imprinting of micronic size patterns in epoxy-based hybrid thin films</b> O. Dellea <sup>*1</sup> , C. Lamarle <sup>1</sup> , G. Ravel <sup>1</sup> , S. Briche <sup>2</sup> , M. Langlet <sup>2</sup> , <sup>1</sup> CEA/LITEN, France, <sup>2</sup> LMGP/INPG, France
[B1.1.20]	C.	Desfours	<b>Relative stability of hybrid polymers obtained by sol-gel: A link to mechanical resistance</b> N. Olivi-Tran, S. Calas, P. Etienne, C. Desfours <sup>*</sup> , Université Montpellier II, France
[B1.1.21]	P.	Fabbri	<b>Plastic fiber optic pH sensors based on organic-inorganic sol-gel hybrids entrapping sensitive dyes</b> P. Fabbri <sup>*</sup> , F. Pilati, L. Rovati, University of Modena and Reggio Emilia, Italy
[B1.1.22]	P.	Fabbri	<b>Organic-inorganic sol-gel hybrid coatings to improve the scratch resistance of plastic substrates</b> P. Fabbri <sup>1,3</sup> , M. Messori <sup>1,3</sup> , M. Toselli <sup>2,3</sup> , F. Pilati <sup>1,3</sup> , <sup>1</sup> University of Modena and Reggio Emilia, Italy, <sup>2</sup> University of Bologna, Italy, <sup>3</sup> Italian Consortium for Materials Science and Technology, Italy
[B1.1.23]	M.	Fernandes	<b>Sol-gel derived di-urethanesil hybrid doped with europium beta-diketonate complexes</b> M. Fernandes <sup>*1</sup> , S. Nobre <sup>2</sup> , M.C. Gonçalves <sup>1</sup> , V. de Zea Bermudez <sup>1</sup> , R.A.S. Ferreira <sup>2</sup> , L.D. Carlos <sup>2</sup> , et al, <sup>1</sup> University of Trás-os-Montes e Alto Douro, Portugal, <sup>2</sup> University of Aveiro, Portugal
[B1.1.24]	M.	Fernandes	<b>Organic/inorganic hybrids incorporating poly(oxyethylene) chains of variable chain length. I. thermal stability, morphology, structure and photoluminescence</b> M. Fernandes <sup>*1</sup> , V. de Zea Bermudez <sup>1</sup> , R.A. Sá Ferreira <sup>2</sup> , L.D. Carlos <sup>2</sup> , <sup>1</sup> University of Trás-os-Montes e Alto Douro, Portugal, <sup>2</sup> University of Aveiro, Portugal
[B1.1.25]	R.A.S.	Ferreira	<b>Zirconium modified di-ureasils organic-inorganic hybrids as substrates for waveguide and bragg gratings patterned via direct laser writing and nano imprint lithography</b> R.A.S. Ferreira <sup>*1</sup> , C.M.S. Vicente <sup>1</sup> , E. Pecoraro <sup>1</sup> , P.S. André <sup>1</sup> , R. Nogueira <sup>1</sup> , N. Wada <sup>2</sup> , et al, <sup>1</sup> University of Aveiro, Portugal, <sup>2</sup> National Institute of Information and Communications Technology, Japan
[B1.1.26]	R.A.S.	Ferreira	<b>Organic/inorganic hybrids incorporating poly(oxyethylene) chains of variable chain length. II. doping with europium beta-diketonate complexes</b> R.A.S. Ferreira <sup>*1</sup> , S.S. Nobre <sup>1</sup> , L.D. Carlos <sup>1</sup> , M. Fernandes <sup>2</sup> , V. de Zea Bermudez <sup>2</sup> , <sup>1</sup> University of Aveiro, 3810-193 Aveiro, Portugal, <sup>2</sup> University of Trás-os-Montes e Alto Douro, Portugal
[B1.1.27]	G.	Fornasieri	<b>Design of photomagnetic nanocomposites: Ordered silica-prussian blue analogue monoliths</b> G. Fornasieri <sup>*</sup> , P. Durand, C. Baumier, A. Bleuzen, Université Paris-Sud, France

[B1.1.28]	M.	Frigione	<b>Cold cured epoxy-silica hybrids for use as adhesives</b> M. Frigione <sup>*1</sup> , M. Lettieri <sup>2</sup> , L. Mascia <sup>3</sup> , L. Prezzi <sup>4</sup> , <sup>1</sup> Università del Salento, Italy, <sup>2</sup> C.N.R. - Istituto per i Beni Archeologici e Monumentali, Italy, <sup>3</sup> Loughborough University, UK, <sup>4</sup> SAFE Marine Nanotechnologies, Italy
[B1.1.29]	M.R.	Gallas	<b>ESIPT fluorescent sol-gel powders and high-pressure compacts of silica containing benzimidazole type dye</b> H.S. Hoffmann, U.A. Kober, G.R. Rodrigues, T.M.H. Costa, M.R. Gallas*, E.V. Benvenutti, et al, <i>Federal University of Rio Grande do Sul, Brazil</i>
[B1.1.30]	M.R.	Gallas	<b>Carbon nanotube/alumina nanocomposite obtained by sol-gel method and high-pressure technique</b> P.R. Silva, G.R. Rodrigues, T.M.H. Costa, M.R. Gallas*, <i>Federal University of Rio Grande do Sul, Brazil</i>
[B1.1.31]	D.	Grosso	<b>Ordered heterogeneous inorganic/inorganic nano patterns (INP) and novel multifunctional nanoporous surfaces</b> D. Grosso*, M. Kuemmel, C. Boissiere, J. Allouche, C. Sanchez, <i>UPMC, France</i>
[B1.1.32]	M.	Han	<b>Preparation and characterization of hybrid coatings containing functional groups and their uses in corrosion protection on iron</b> M. Han*, J. Mang, <i>Korea Research Institute of Chemical Technology, Korea</i>
[B1.1.33]	D.	Platte	<b>Encapsulation of phase-change materials for energy storage applications</b> U. Helbig <sup>1,2</sup> , A. Punnoose <sup>2</sup> , G. SEXTI <sup>1,2</sup> , D. Platte <sup>*2</sup> , M. Timpel <sup>2</sup> , R. Houbertz <sup>1</sup> , et al, <sup>1</sup> Fraunhofer ISC, Germany, <sup>2</sup> Universität Würzburg, Germany
[B1.1.34]	P.	Innocenzi	<b>Self-organized nanocrystalline organosilicates in organic-inorganic hybrid films</b> P. Innocenzi <sup>*1</sup> , M. Takahashi <sup>1</sup> , M. Casula <sup>2</sup> , C. Figus <sup>1</sup> , M. Valentini <sup>3</sup> , S. Enzo <sup>1</sup> , et al, <sup>1</sup> University of Sassari, Italy, <sup>2</sup> University of Cagliari, Italy, <sup>3</sup> CRA, Italy
[B1.1.35]	L.	Mazzocchetti	<b>Organic-inorganic phase interactions in polyester/polycarbonate-transition metal oxide hybrids</b> L. Mazzocchetti*, E. Cortecchia, M. Scandola, <i>University of Bologna, Italy</i>
[B1.1.36]	M.	Messori	<b>Isoprene rubber reinforced with in-situ generated silica</b> F. Bignotti <sup>2</sup> , R. De Santis <sup>2</sup> , P. Fabbri <sup>1</sup> , M. Messori <sup>*1</sup> , F. Pilati <sup>1</sup> , R. Taurino <sup>1</sup> , et al, <sup>1</sup> University of Modena and Reggio Emilia, Italy, <sup>2</sup> University of Brescia, Italy
[B1.1.37]	Z.	Moravec	<b>Synthesis and structural characterization of new molecular aluminum and yttrium phosphates and phosphonates</b> Z. Moravec <sup>*1</sup> , J. Chyba <sup>1</sup> , M. Necas <sup>1</sup> , S. Mathur <sup>2</sup> , J. Pinkas <sup>1</sup> , <sup>1</sup> Masaryk University, Czech Republic, <sup>2</sup> University of Cologne, Germany
[B1.1.38]	S.	Parola	<b>Organized silver nanoparticles in mesostructured silica and titania films</b> L. Bois <sup>1</sup> , F. Chassagneux <sup>1</sup> , F. Bessueille <sup>1</sup> , Y. Battie <sup>2</sup> , N. Destouches <sup>2</sup> , S. Parola <sup>*1</sup> , et al, <sup>1</sup> University Lyon 1, France, <sup>2</sup> University Jean Monnet, France, <sup>3</sup> CEA/DEN, France
[B1.1.39]	S.	Parola	<b>Hybrid materials and non linear absorption: Influence of the structure and interactions at the molecular level</b> C. Desroches <sup>1</sup> , S. Parola <sup>*1</sup> , B. Eliasson <sup>2</sup> , M. Lindgren <sup>3</sup> , F. Chaput <sup>1</sup> , C. Lopes <sup>4</sup> , et al, <sup>1</sup> University Lyon 1, France, <sup>2</sup> University Umea, Sweden, <sup>3</sup> University Trondheim, Norway, <sup>4</sup> FOI, Sweden
[B1.1.40]	J.	Pinkas	<b>Synthesis and structural characterization of new molecular titanium and zirconium alkoxide phosphates</b> J. Chyba <sup>1</sup> , M. Necas <sup>1</sup> , S. Mathur <sup>2</sup> , J. Pinkas <sup>*1</sup> , <sup>1</sup> Masaryk University, Czech Republic, <sup>2</sup> University of Cologne, Germany
[B1.1.41]	C.	Rodriguez Abreu	<b>Hybrid dye-inorganic nanocomposites using self-organizing structures</b> C. Rodriguez Abreu <sup>*1</sup> , G. Tiddy <sup>2</sup> , <sup>1</sup> Instituto de Química Avanzada de Cataluña, Spain, <sup>2</sup> University of Manchester, UK
[B1.1.42]	G.	Sandoval-Robles	<b>BTX photocatalytic gaseous phase continuous oxidation with Pt-TiO<sub>2</sub> deposited in glass spheres by sol-gel method</b> G. Sandoval-Robles <sup>*1</sup> , O. Gonzalez-Paredes <sup>1</sup> , C.E. Ramos-Galvan <sup>1</sup> , R. Garcia-Alamilla <sup>1</sup> , A. Melo-Banda <sup>1</sup> , J.M. Dominguez <sup>2</sup> , <sup>1</sup> Instituto Tecnológico de CD. Madero, Mexico, <sup>2</sup> Instituto Mexicano del Petróleo, Mexico
[B1.1.43]	K.M.	Schreck	<b>Photopolymerized organic/inorganic hybrid thiol-ene composites</b> K.M. Schreck <sup>*1</sup> , T.Y. Lee <sup>1,2</sup> , C.N. Bowman <sup>1</sup> , <sup>1</sup> University of Colorado-Boulder, USA, <sup>2</sup> DSM Desotech, USA
[B1.1.44]	B.	Todorova	<b>Synthesis of monodispersed titanium oxide nanoparticles in dimethylformamide media</b> B. Todorova*, H. Terrisse, M. Richard-Plouet, L. Brohan, <i>Institut des Matériaux Jean Rouxel, France</i>
[B1.1.45]	V.	Tomkute	<b>Synthesis and characterization of modified silica coatings for biotechnological applications</b> V. Tomkute*, A. Beganskiene, A. Kareiva, <i>Vilnius University, Lithuania</i>
[B1.1.46]	G.	Triani	<b>Synthesis and characterisation of nanohybrid materials using novel titanium precursors</b> Y. Gao, G. Arrachart, D. Cassidy, I. Karatchevtseva, G. Triani*, <i>Institute of Materials Engineering, ANSTO, Australia</i>
[B1.1.47]	S.	Umetani	<b>Molecularly imprinted sol-gel materials for the separation of metal ions</b> S. Umetani*, Y. Taguchi, T. Okabe, Y. Sohrin, <i>Kyoto University, Japan</i>

[B1.1.48]	M.	Wong Chi Man	<b>Hybrid silica via sol-gel process: General method for preparation of recoverable and reusable catalysts</b> C. Bied <sup>1</sup> , M. Trilla <sup>2</sup> , X. Elias <sup>2</sup> , R. Pleixats <sup>2</sup> , M. Wong Chi Man <sup>*1</sup> , J. Moreau <sup>1</sup> , <sup>1</sup> ENSCM, France, <sup>2</sup> Univertitat Autònoma de Barcelona, Spain
[B1.1.49]	M.T.	Zainuddin	<b>Micropatterning of organic-inorganic hybrid sol gel film with incorporation of chelated titanium alkoxides for fabrication of intergrated optical circuits</b> M.T. Zainuddin*, H. Hashim, N.M.A. Nik Abdul Aziz, S.A. Abdul Aziz Nazri, A. Isnin, M.A. A Malek, <i>SIRIM Berhad, Malaysia</i>
[B1.1.50]	D.	Zare-Hossien Abadi	<b>Nanocomposite hybrid coatings for corrosion protection of copper with zirconia and ceria nanoparticles</b> D. Zare-Hossien Abadi*, A. Ershad- langroudi, A. Rahimi, <i>Iran Polymer and Petrochemical Institute, Iran</i>
[B1.1.51]	V.P.	Zubov	<b>Organic-inorganic hybrid hydrogels: Synthesis, structure and properties</b> V.P. Zubov*, I.V. Bakeeva, A.N. Ozerin, <i>Lomonosov Moscow State Academy of Fine Chemical Technology, Russia</i>
<b>Symposium C - Mesoporous Materials</b>			
[C1.1.01]	P.C.	Angelomé	<b>Mesoporous hybrid thin films: From one pot synthesis to selective membranes</b> P.C. Angelomé <sup>*1</sup> , A. Calvo <sup>1</sup> , P.Y. Steinberg <sup>1</sup> , F.J. Williams <sup>2</sup> , G.J.A.A. Soler Illia <sup>1</sup> , <sup>1</sup> GQ - CAC - CNEA, Argentina, <sup>2</sup> DQIAQF - FCEyN - UBA, Argentina
[C1.1.02]	M.K.	Aroua	<b>Physical and chemical modification of palm shell activated carbon for the selective adsorption of carbon dioxide</b> M.K. Aroua <sup>*1</sup> , W.M.A. Wan Daud <sup>1</sup> , S.H. Khalil <sup>1</sup> , M.A. Ahmad <sup>2</sup> , <sup>1</sup> University of Malaya, Malaysia, <sup>2</sup> University of Sciences, Malaysia
[C1.1.03]	S.M.	Banihashemian	<b>A new method for nano porous silicon formation using electro chemical etching and e-beam evaporation of platinum and molybdenum</b> S.M. Banihashemian <sup>*1</sup> , H. Hajgasse <sup>2</sup> , A. Erfanian <sup>3</sup> , A.R. Aliahmadi <sup>3</sup> , M. Mohtashamifar <sup>3</sup> , N. Mahmoudikati <sup>4</sup> , <sup>1</sup> Islamic Azad University Qombranch, Iran, <sup>2</sup> Shahid Beheshti University, Iran, <sup>3</sup> K.N. Toosi University, Iran, <sup>4</sup> University of Malaya, Malaysia
[C1.1.04]	M.	Barboiu	<b>Dynamic hybrid materials for constitutional self-instructed devices</b> Y. Leduc, S. Mihai, M. Barboiu*, <i>Institut Europeen des Membranes, France</i>
[C1.1.05]	A.	Bendjeriou	<b>New heterogeneous multifunctional Pd-catalysts for the one pot synthesis of substituted heterocycles</b> A. Bendjeriou <sup>*1</sup> , M. Genelot <sup>2</sup> , N. Batail <sup>2</sup> , T. Lomberget <sup>3</sup> , R. Barret <sup>3</sup> , V. Dufaud <sup>1</sup> , et al, <sup>1</sup> Ecole Normale Supérieure de Lyon, France, <sup>2</sup> Institut de Recherches sur la catalyse et l'Environnement de Lyon, France, <sup>3</sup> Laboratoire de Chimie Thérapeutique, France
[C1.1.06]	D.	Ben-Jazia	<b>Free impregnation of model porous media by water/ethanol mixtures: Application to the controlled dispersion of inorganic nanoparticles in an organic matrix</b> D. Ben-Jazia <sup>*1</sup> , L. Vonna <sup>1</sup> , Y. Holl <sup>2</sup> , H. Haidara <sup>1</sup> , <sup>1</sup> Institut de Chimie des Surfaces et Interfaces, France, <sup>2</sup> Institut Charles Sadron, France
[C1.1.07]	E.	Bloch	<b>Ag@SiO<sub>2</sub> nanocomposites: An example of functional materials for the detection of molecules in gas and liquid phases</b> E. Bloch*, P.L. Llewellyn, V. Hornebecq, et al, <i>Laboratoire Chimie Provence, France</i>
[C1.1.08]	E.	Bottinelli	<b>A photoactive hybrid material based on Ru complex in mesoporous MCM-41</b> E. Bottinelli*, I. Miletto, G. Caputo, S. Coluccia, E. Gianotti, <i>University of Torino, Italy</i>
[C1.1.09]	M.	Boucharef	<b>Solution-processed solid-state dye-sensitized solar cells based on ZnO</b> M. Boucharef <sup>*1,2</sup> , J. Bouclé <sup>1</sup> , B. Ratier <sup>1</sup> , <sup>1</sup> University of Limoges, France, <sup>2</sup> Mentouri University, Algeria
[C1.1.10]	L.	Pasechnik	<b>Dynamic electrophysical characterization of nano- and mesoporous media under fast humidity impact</b> S.L. Bravina <sup>1</sup> , N.V. Morozovsky <sup>1</sup> , E.G. Khaikina <sup>2</sup> , L. Pasechnik <sup>*3</sup> , R. Boukherroub <sup>4</sup> , E. Dogheche <sup>5</sup> , et al, <sup>1</sup> NAS of Ukraine, Ukraine, <sup>2</sup> RAS, Russia, <sup>3</sup> National Polytechnical University of Ukraine, Ukraine, <sup>4</sup> Interdisciplinary Research Institute, IRI, IEMN-IRI, France, <sup>5</sup> IEMN – DOAE – MIMM Team, CNRS - UMR, France
[C1.1.11]	D.W.	Brousmiche	<b>High carbon content, porous organic/inorganic hybrid materials by simultaneous condensation/radical polymerization</b> D.W. Brousmiche*, N.L. Lawrence, K.H. Glose, J.T. Cook, C. Hudalla, K.D. Wyndham, <i>Waters Corporation, USA</i>
[C1.1.12]	D.	Brühwiler	<b>Control and analysis of the functional group distribution on postsynthetically modified mesoporous silica</b> H. Ritter J.H. Ramm, N. Gartmann, D. Brühwiler*, <i>University of Zürich, Switzerland</i>
[C1.1.13]	D.	de Jesus Lima Guerra	<b>Anchored thiol smectite clay - kinetic and thermodynamic studies of divalent copper and cobalt adsorption</b> D. de Jesus Lima Guerra <sup>*1</sup> , C. Airoidi <sup>2</sup> , R. Ribeiro Viana <sup>1</sup> , <sup>1</sup> Universidade Federal de Mato Grosso, Brazil, <sup>2</sup> Universidade Estadual de Campinas, Brazil
[C1.1.14]	L.C.	de Menorval	<b>Mesoporous materials from natural silicate sources</b> A Rivera <sup>1</sup> , A.M. Martinez <sup>1</sup> , L.C. de Menorval <sup>*2,1</sup> , A.R. Ruiz-Salvador <sup>1</sup> , <sup>1</sup> University of Havana, Cuba, <sup>2</sup> Université Montpellier II, France

[C1.1.15]	J.	Desmet	<b>Highly ordered silica mesoporous matrix for the design of sensitive and selective nanosensors for the detection of mercuric ions</b> J. Desmet*, N. Nivarlet, B.L. Su, <i>University of Namur, Belgium</i>
[C1.1.16]	M.C.A.	Fantini	<b>The use of SBA-15 ordered mesoporous silica as immunological adjuvant</b> F. Mariano Neto <sup>1</sup> , M.C.A. Fantini* <sup>1</sup> , L.V. Carvalho <sup>2</sup> , O.A. Sant'Anna <sup>2</sup> , J.R. Matos <sup>1</sup> , L.P. Mercuri <sup>3</sup> , <sup>1</sup> USP, Brazil, <sup>2</sup> Butantan Institute, Brazil, <sup>3</sup> UNIFESP, Brazil
[C1.1.17]	M.	Feuillade	<b>Periodically organized mesoporous thin films in ophthalmic applications</b> M. Feuillade, <i>Essilor International, France</i>
[C1.1.18]	T.	Fröschl	<b>Synthesis of mesoporous zirconium oxide via an ethylene glycol-modified zirconium precursor</b> T. Fröschl*, N. Hüsing, <i>Ulm University, Germany</i>
[C1.1.19]	N.	Furuya	<b>Silicagel manufactured by electrolysis</b> N. Furuya, <i>University of Yamanashi, Japan</i>
[C1.1.20]	S.	Gandh	<b>Synthesis of novel biocompatible &amp; biodegradable polyesters using mesoporous catalyst</b> U.M. Krishnan, S. Gandhi*, <i>SASTRA University, India</i>
[C1.1.21]	C.	Gérardin	<b>Influence of the composition of the guest entities on the properties of LDH nanocomposites used as precursors of metal supported and basic catalysts</b> D. Tichit <sup>1</sup> , C. Gérardin* <sup>1</sup> , D. Kostadinova <sup>1</sup> , R. Chebout <sup>1</sup> , E. Ramirez <sup>2</sup> , I. Cota <sup>2</sup> , et al, <sup>1</sup> ICG Montpellier, France, <sup>2</sup> Universidad Rovira i Virgili, Spain
[C1.1.22]	A.	Grandjean	<b>Synthesis of ruthenium dioxide nanoparticles within mesoporous silicate glass</b> A. Tokarev <sup>1</sup> , J. Larionova <sup>1</sup> , Y. Guari <sup>1</sup> , A. Grandjean* <sup>2</sup> , <sup>1</sup> Institut Charles Gerhardt, France, <sup>2</sup> Institut de Chimie Séparative de Marcoule, France
[C1.1.23]	D.	Grosso	<b>Spray-dring process: A one step synthesis towards easy industrial production of new large pores, highly active and mesostructured aluminosilicate catalysts</b> C. Boissiere <sup>1</sup> , S. Pega <sup>1</sup> , D. Grosso* <sup>1</sup> , A. Chaumonot <sup>1,2</sup> , C. Sanchez <sup>1</sup> , <sup>1</sup> UPMC, France, <sup>2</sup> IFP, France
[C1.1.24]	E.M.	Guerra	<b>Characterization and electrochemical study of the poly o-methoxyaniline and poly(ethylene oxide) into mesostructured V<sub>2</sub>O<sub>5</sub></b> E.M. Guerra*, H.P. Oliveira, <i>FFCLRP-USP, Brazil</i>
[C1.1.25]	E.M.	Guerra	<b>Effect of mesoporosity of vanadium oxide as cathodic material during Li<sup>+</sup> insertion/deinsertion</b> E.M. Guerra* <sup>1</sup> , D.T. Cestaroli <sup>2</sup> , H.P. Oliveira <sup>1</sup> , <sup>1</sup> Universidade de São Paulo, Brazil, <sup>2</sup> Universidade Federal de São João Del Rey, Brazil
[C1.1.26]	H.W.	Ha	<b>Application of mesoporous metal oxide-layered titanate nanohybrids as anode materials for lithium-ion batteries</b> H.W. Ha*, I.Y. Kim, S.J. Hwang, <i>Ewha Womans University, Korea</i>
[C1.1.27]	I.	Hierro	<b>Asymmetric epoxidation of cinnamyl alcohol on titanium-triazine based MCM-41 hybrid material</b> I. Hierro*, R. Ballesteros, I. Sierra, M. Fajardo, <i>Universidad Rey Juan Carlos, Spain</i>
[C1.1.28]	C.H.	Huang	<b>Controlled microstructures of highly ordered mesoporous C-TiO<sub>2</sub> hybrid materials via EISA process</b> C.H. Huang* <sup>1</sup> , D.Y. Zhao <sup>2</sup> , R.A. Doong <sup>1</sup> , <sup>1</sup> National Tsing Hua University, Taiwan, <sup>2</sup> Fudan University, China
[C1.1.29]	Y.	Ide	<b>Synthesis of Au nanoparticle in a layered titanate modified with (3-mercaptopropyl)trimethoxysilane</b> Y. Ide*, M. Ogawa, <i>Waseda University, Japan</i>
[C1.1.30]	G.	Ingavle	<b>High internal phase emulsion: A novel route to synthesis of highly porous poly (2-hydroxyethyl methacrylate) in monolithic and beaded form at ambient temperature</b> G. Ingavle*, T. Ponrathnam, S. Ponrathnam, <i>National Chemical Laboratory, India</i>
[C1.1.31]	P.	Innocenzi	<b>Aggregation states of rhodamine 6G in mesostructured silica films</b> P. Innocenzi* <sup>1</sup> , R. Aiello <sup>2</sup> , L. Malfatti <sup>1</sup> , D. Aiello <sup>2</sup> , T. Kidchob <sup>1</sup> , <sup>1</sup> University of Sassari, Italy, <sup>2</sup> University of Calabria, Italy
[C1.1.32]	M.	Intissar	<b>Substitution effect of divalent cation into (Cu<sub>1-x</sub>Mg<sub>x</sub>Al-CO<sub>3</sub>) LDH material</b> M. Intissar* <sup>1</sup> , A. Seron <sup>2</sup> , F. Giovannelli <sup>3</sup> , M. Motelica <sup>1</sup> , F. Delorme <sup>2</sup> , <sup>1</sup> ISTO, France, <sup>2</sup> BRGM, France, <sup>3</sup> LEMA, France
[C1.1.33]	K.	Kakiage	<b>Chemical surface modification of nano-porous alumina membrane by organosilicon compound for functional filter</b> K. Kakiage*, M. Yamamura, T. Kyomen, M. Unno, M. Hanaya, <i>Gunma University, Japan</i>
[C1.1.34]	A.	Karimi	<b>Use of enzyme as a structure directing agent in preparation of nano-porous silica</b> A. Karimi*, S.M. Mosavi, <i>University of Tabriz, Iran</i>
[C1.1.35]	S.	Kaskel	<b>Organic-inorganic polymer precursors for the synthesis of porous and nanostructured silicon carbide materials</b> S. Kaskel, <i>Technical University Dresden, Germany</i>
[C1.1.36]	H.	Kim	<b>Titania nanocomposite membranes via electrospinning and their photocatalytic activities</b> D.J.G. Satur, H. Kim*, <i>Myongji University, Korea</i>

[C1.1.37]	N.	Lawrence	<b>Pseudomorphic transformation of hybrid organic/inorganic particles</b> N. Lawrence*, K. Wyndham, <i>Waters Corporation, USA</i>
[C1.1.38]	V.	Le Nader	<b>SERS substrates from nano-porous membranes: Synthesis, characterization and modelling</b> V. Le Nader*, J.Y. Mevellec, T. Makiabadi, G. Louarn, <i>Institut des Matériaux Jean Rouxel, France</i>
[C1.1.39]	C.M.	Leroy	<b>Photocatalytic properties of TiO<sub>2</sub>:Eu<sup>3+</sup> mesoporous thin films</b> C.M. Leroy <sup>1</sup> , M. Treguer-Delapierre <sup>1</sup> , T. Cardinal <sup>1</sup> , R. Backov <sup>2</sup> , F. Pellé <sup>3</sup> , C. Sanchez <sup>3</sup> , et al, <sup>1</sup> ICMCB, France, <sup>2</sup> CRPP, France, <sup>3</sup> LCMCP, France
[C1.1.40]	F.	Li	<b>Mesoporous NiO-Al<sub>2</sub>O<sub>3</sub> mixed metal oxides prepared by a hybrid precursor and catalytic property for decomposition of ammonium perchlorate</b> X. Xiang, H. Wang, F. Li*, <i>Beijing University of Chemical Technology, China</i>
[C1.1.41]	J.P.	Lukaszewicz	<b>Fabrication of nanoporous molecular sieves</b> A. Cyganiuk, J.P. Lukaszewicz*, <i>Nicholas Copernicus University, Poland</i>
[C1.1.42]	S.A.	Lushnikov	<b>Synthesis of particularly amorphous CeNi<sub>3</sub> intermetallic hydrides</b> S.A. Lushnikov, <i>MSU, Russia</i>
[C1.1.43]	M.A.U.	Martines	<b>Effect of silica surface on luminescence properties of Tb<sup>3+</sup>-glutamic acid</b> J. Jorge <sup>1</sup> , J.M.A. Caiu <sup>1,2</sup> , L.A. Rocha <sup>1,2</sup> , J. Dexpert-Ghys <sup>2</sup> , M. Verelst <sup>2</sup> , M.A.U. Martines <sup>1</sup> , et al, <sup>1</sup> Sao Paulo Satate University, Brazil, <sup>2</sup> Centre d'Elaboration de Matériaux et d'Etudes Structurales, France
[C1.1.44]	M.A.U.	Martines	<b>Luminescence properties of europium complexes with 1,10-phenantroline impregnated into channels of mesoporous silica</b> L.F. Saliba, G.R. Castro, M.A.U. Martines*, <i>São Paulo State University, Brazil</i>
[C1.1.45]	V.	Martínez Martínez	<b>Application of absorption and fluorescence with polarized light to study organized layered systems: Dye/clay films</b> V. Martínez Martínez*, S. Salleres, I. López Arbeloa, F. López Arbeloa, <i>Universidad del País Vasco UPV/EHU, Spain</i>
[C1.1.46]	A.R.	Mirhabibi	<b>An attempt to preparation of mesoporous Mo<sub>2</sub>N nano crystalline for catalytic reaction</b> M. Saeidpour <sup>1</sup> , R. Aghababazadeh <sup>2,3</sup> , A.R. Mirhabibi <sup>1</sup> , <sup>1</sup> Iran University of Science and Technology, Iran, <sup>2</sup> Iran Composite Insitute, Iran, <sup>3</sup> Institute for Colorants, Paint and Coatings, Iran
[C1.1.47]	J.	Möller	<b>New template synthesis of mesoporous hydroxyapatite materials for controlled protein release</b> J. Möller*, P. Dibandjo, R. Gadiou, K. Anselme, C. Vix-Guterl, <i>Institut de Chimie des Surfaces et Interfaces, France</i>
[C1.1.48]	J.	Mona	<b>Exploring porous polymeric slime structures for possible drug-delivery applications</b> S.N. Kale, J. Mona*, A. Jadhav, S.L. Laware, S. Hatamy, <i>Fergusson College, India</i>
[C1.1.49]	F.	Martínez	<b>Acid-modified organic-inorganic hybrid materials via atom transfer radical grafting of oligostyrenesulfonic acid onto mesostructured SBA-15 surfaces</b> G. Morales <sup>1</sup> , P.A.G. Cormack <sup>2</sup> , A. Martín <sup>1</sup> , F. Martínez <sup>1</sup> , R. van Grieken <sup>1</sup> , <sup>1</sup> Universidad Rey Juan Carlos, Spain, <sup>2</sup> Strathclyde University, UK
[C1.1.50]	N.	Nishi	<b>Mesoporous carbon nano-dendrites with graphitic ultra-thin walls and their application to supercapacitor electrodes</b> N. Nishi <sup>1</sup> , S. Numao <sup>1</sup> , K. Judai <sup>1</sup> , J. Nishijo <sup>1</sup> , K. Mizuuchi <sup>2</sup> , <sup>1</sup> Institute for Molecular Science, Japan, <sup>2</sup> Carbon Materials Laboratories Nippon Steel Chemical Co. Ltd, Japan
[C1.1.51]	N.	Numao	<b>Metal impregnation in mesoporous carbon nano-dendrites with graphitic ultra-thin walls</b> N. Numao <sup>1</sup> , J. Nishijo <sup>1</sup> , K. Judai <sup>1</sup> , K. Mizuuchi <sup>2</sup> , N. Nishi <sup>1</sup> , <sup>1</sup> Institute for Molecular Science, Japan, <sup>2</sup> Nippon Steel Chemical Co.Ltd, Japan
[C1.1.52]	M.C.	Orilall	<b>One-pot synthesis of electrocatalyst nanoparticles incorporated inside highly crystalline mesoporous transition metal oxides for fuel cell applications</b> M.C. Orilall*, U. Wiesner, <i>Cornell University, USA</i>
[C1.1.53]	G.	Orsini	<b>Mesoporous tungsten oxide by a straightforward sol-gel route: Surface area, structure and electrical properties</b> G. Orsini*, V. Tricoli, <i>University of Pisa, Italy</i>
[C1.1.54]	R.	Palacios	<b>P3HT micro- and nanostructures using ordered porous templates</b> R. Palacios <sup>1</sup> , A. Santos <sup>1</sup> , P. Formentín <sup>1</sup> , T. Trifonov <sup>2</sup> , R. Alcubilla <sup>2</sup> , J. Pallarés <sup>1</sup> , et al, <sup>1</sup> Universitat Rovira I Virgili, Spain, <sup>2</sup> Universitat Politècnica de Catalunya, Spain
[C1.1.55]	L.	Pasechnik	<b>Dynamic electrophysical characterization of nano- and mesoporous media under fast humidity impact</b> S. Bravina <sup>1</sup> , N. Morozovsky <sup>1</sup> , E. Khaikina <sup>2</sup> , L. Pasechnik <sup>3</sup> , R. Boukherroub <sup>4</sup> , E. Dogheche <sup>5</sup> , et al, <sup>1</sup> NAS of Ukraine, Ukraine, <sup>2</sup> Baikal Institute of Nature Management, Russia, <sup>3</sup> National Polytechnical University of Ukraine, Ukraine, <sup>4</sup> Interdisciplinary Research Institute, France, <sup>5</sup> Cité Scientifique USTL, France
[C1.1.56]	A.	Pauletti	<b>Porous silicon oxycarbide (SiCO) glasses from periodic mesoporous organosilicas (PMOs)</b> A. Pauletti*, C. Fernandez-Martin, C. Gervais, D. Grosso, C. Boissière, F. Babonneau, et al, <i>Université Pierre et Marie Curie, France</i>

[C1.1.57]	A.	Perdigon	<b>Novel porous clay heterostructure from highly charged mica: Synthesis and characterization</b> D. Li, A. Perdigon*, F. Gonzalez, C. Blanco, C. Pesquera, <i>University Cantabria, Spain</i>
[C1.1.58]	D.	Pérez-Quintanilla	<b>Preparation and characterization of a new inorganic-organic hybrid material based on SBA-15 for Zn(II) adsorption in water samples</b> D. Pérez-Quintanilla*, A. Sánchez, M. Fajardo, I. del Hierro, I. Sierra, <i>Universidad Rey Juan Carlos, Spain</i>
[C1.1.59]	L.A.	Rocha	<b>Silica coated rhodamine-B containing mesoporous SiO<sub>2</sub> particles</b> L.A. Rocha* <sup>1,2</sup> , J. do C. Freiria <sup>2</sup> , S.J.L. Ribeiro <sup>1</sup> , Y. Messaddeq <sup>1</sup> , M.A.U. Martines <sup>1</sup> , J. Dexpert-Ghys <sup>2</sup> , et al, <sup>1</sup> São Paulo State University, Brazil, <sup>2</sup> Centre d'Elaboration de Matériaux et d'Etudes Structurales / CNRS, France
[C1.1.60]	J.M.	Rosenholm	<b>Porous hybrid silica nanoparticles with tunable surface charge for targeting applications</b> J.M. Rosenholm* <sup>1</sup> , A. Meinander <sup>1,2</sup> , E. Peuhu <sup>1,2</sup> , J.E. Eriksson <sup>1</sup> , C. Sahlgren <sup>1</sup> , M. Lindén <sup>1</sup> , et al, <sup>1</sup> Abo Akademi University, Finland, <sup>2</sup> University of Turku, Finland
[C1.1.61]	E.	Rossinyol	<b>Electrical and magnetic properties of mesoporous NiO and Co<sub>3</sub>O<sub>4</sub></b> M. Cabo, E. Pellicer, E. Rossinyol*, O. Castell, M.D. Baro, <i>Universitat Autonoma de Barcelona, Spain</i>
[C1.1.62]	L.	Samiee	<b>Effect of sol treatment on the TiO<sub>2</sub> mesostructure prepared by copolymer tempelating</b> L. Samiee* <sup>1,2</sup> , A. Beitollahi <sup>1</sup> , M.M. Akbarnejad <sup>2</sup> , N. Faal Nazari <sup>1</sup> , <sup>1</sup> Iran University of Science and Technology, Iran, <sup>2</sup> Iran's Research Institute of Petroleum Industry, Iran
[C1.1.63]	A.	Sánchez	<b>Development of carbon paste electrodes modified with hybrid mesoporous materials: A comparative study for voltammetric analysis of lead</b> A. Sánchez*, S. Morante-Zarcelero, M. Fajardo, I. del Hierro, I. Sierra, <i>Universidad Rey Juan Carlos, Spain</i>
[C1.1.64]	J.R.	Sánchez-Valencia	<b>Light processing of nanoporous semiconducting oxides for the fabrication of optically active thin films</b> J.R. Sánchez-Valencia* <sup>1</sup> , A. Borrás <sup>1,2</sup> , V.J. Rico <sup>1</sup> , S. Hamad <sup>1</sup> , A. Barranco <sup>1</sup> , J.P. Espinós <sup>1</sup> , et al, <sup>1</sup> Instituto de Ciencia de Materiales de Sevilla, Spain, <sup>2</sup> Nanotech@surfaces Laboratory, Switzerland
[C1.1.65]	A.	Sayari	<b>Effect of pore expansion and amine fonctionalization of mesoporous silica on CO<sub>2</sub> adsorption over a wide range of conditions</b> Y. Belmabkhout, A. Sayari*, <i>University of Ottawa, Canada</i>
[C1.1.66]	A.	Seron	<b>Formation mechanism of quintinite (Mg<sub>4</sub>Al<sub>2</sub>(OH)<sub>12</sub>CO<sub>3</sub>·3H<sub>2</sub>O LDH)</b> A. Seron*, P. Galle-Cavalloni, F. Delorme, <i>BRGM, France</i>
[C1.1.67]	S.P.	Shylesh	<b>Oxidiperoxo molybdenum modified organic-inorganic hybrid mesoporous materials for selective epoxidation reactions</b> S.P. Shylesh*, W. Thiel, <i>Technical University of Kaiserslautern, Germany</i>
[C1.1.68]	I.	Sierra	<b>Design of hybrid materials for heavy metals adsorption in aqueous media</b> I. Sierra*, D. Pérez-Quintanilla, A. Sánchez, M. Fajardo, I. del Hierro, <i>Universidad Rey Juan Carlos, Spain</i>
[C1.1.69]	M.	Simion	<b>Porous silicon layer for protein immobilization</b> M. Simion* <sup>1</sup> , M. Miu <sup>1</sup> , L. Ruta <sup>2</sup> , I. Kleps <sup>1</sup> , A. Bragaru <sup>1</sup> , T. Ignat <sup>1</sup> , et al, <sup>1</sup> National Institute for Research and Development in Microtechnologies, Romania, <sup>2</sup> Bucharest University, Romania
[C1.1.70]	G.	Smeulders	<b>In-depth study of rapid microwave-assisted synthesis of benzene bridged PMOs, allowing an improved economical synthesis pathway</b> G. Smeulders*, V. Meynen, G. Van Baelen, B.U.W. Maes, G. Van Tendeloo, P. Cool, <i>University of Antwerp, Belgium</i>
[C1.1.71]	M.	Sohmiya	<b>Photoluminescence propeties of Tris(2,2'-bipyridine)ruthenium(II) cation ([Ru(bpy)<sub>3</sub>]<sup>2+</sup>) Adsorbed in Al Containing Mesoporous Silica</b> M. Sohmiya*, M. Ogawa, <i>Waseda University, Japan</i>
[C1.1.72]	E.M.B.	Sousa	<b>Synthesis of mesoporous boron nitride using SBA-15 as a template for cosmetic application</b> E.M.B. Sousa*, L.M.S. Ansaloni, <i>Centro de Desenvolvimento da Tecnologia Nuclear, Brazil</i>
[C1.1.73]	A.	Sousa	<b>Preparation of poly(N-isopropylacrylamide)-silica hybrid: Influence of mesoporous structure type on nanocomposite hybrid formation</b> E.M.B. Sousa <sup>1</sup> , R.G. Sousa <sup>2</sup> , B.F.W. Marinho <sup>1,2</sup> , I.A. Pimenta <sup>1,2</sup> , A. Sousa* <sup>1,2</sup> , <sup>1</sup> Centro de Desenvolvimento da Tecnologia Nuclear, Brazil, <sup>2</sup> Universidade Federal de Minas Gerais, Brazil
[C1.1.74]	K.C.	Souza	<b>In-situ formation of magnetite nanoparticles into the [SBA-15/P(N-iPAAm)] hybrids for DDS</b> E.M.B. Sousa <sup>1</sup> , N.D.S. Mohallem <sup>2</sup> , R.G. Sousa <sup>2</sup> , A. Sousa <sup>1,2</sup> , K.C. Souza* <sup>1,2</sup> , <sup>1</sup> Centro de Desenvolvimento da Tecnologia Nuclear, Brazil, <sup>2</sup> Unirversidade Federal Minas Gerais, Brazil

[C1.1.75]	V.N.	Stathopoulos	<b>Preparation – characterization of layered double hydroxides derived porous spherical agglomerates and their application as environmental adsorbents</b> V.N. Stathopoulos <sup>1,2</sup> , A. Papandreou <sup>1</sup> , D. Kanellopoulou <sup>1</sup> , <sup>1</sup> <i>Ceramics and Refractories Technological Development Company, Greece</i> , <sup>2</sup> <i>Technical Institute of Chalkida, Greece</i>
[C1.1.76]	S.	Khalameida	<b>Preparation of barium titanate in inorganic porous matrices</b> S. Khalameida*, V.Sydorchuk, V.Zazhigalov, <i>NAS of Ukraine, Ukraine</i>
[C1.1.77]	M.	Takahishi	<b>Photo-active property of mesoporous silica for reduction of volatile organic compounds</b> M. Takahishi*, J. Tani, H. Kido, <i>Osaka Municipal Technical Research Institute, Japan</i>
[C1.1.78]	R.	Trujillano	<b>Functionalization of the interlayer region of kaolinite with pyridine-carboxylic acids</b> E.H. de Faria <sup>1</sup> , O.J. Lima <sup>1</sup> , K.J. Ciuffi <sup>1</sup> , E.J. Nassar <sup>1</sup> , M.A. Vicente <sup>2</sup> , R. Trujillano* <sup>2</sup> , et al <sup>1</sup> <i>Universidade de Franca, Brazil</i> , <sup>2</sup> <i>Universidad de Salamanca, Spain</i>
[C1.1.79]	A.N.	Vasiliev	<b>Complexes of heavy metals with organic ligands immobilized on silica gel</b> A.N. Vasiliev <sup>1</sup> , L.V. Golovko <sup>2</sup> , V.V. Trachevsky <sup>3</sup> , J.G. Khinast <sup>4</sup> , <sup>1</sup> <i>East Tennessee State University, USA</i> , <sup>2</sup> <i>Institute of Bioorganic Chemistry and Petrochemistry, Ukraine</i> , <sup>3</sup> <i>Technical Center of the National Academy of Sciences of Ukraine, Ukraine</i> , <sup>4</sup> <i>Graz University of Technology, Austria</i>
[C1.1.80]	I.	Vida-Simiti	<b>Sintered porous materials with structural gradient obtained by powders sedimentation</b> I. Vida-Simiti*, N. Jumate, N. Sechel, <i>Technical University of Cluj-Napoca, Romania</i>
[C1.1.81]	C.H.	Walsh	<b>Ellipsometry porosimetry: Fast and non destructive morphological and chemical characterization of porous thin films</b> A. Bourgeois, C.H. Walsh*, C.H. Defranoux, <i>Sopra, France</i>
[C1.1.82]	Y.	Wan	<b>Hybrid ordered mesoporous silicas and carbons: Tiblock-copolymer-templating synthesis and applications in green chemistry</b> X. Qian, H. Wang, C. Feng, X. Zhuang, Y. Wan*, <i>Shanghai Normal University, China</i>
[C1.1.83]	J.	Yan	<b>Fabricating ordered and interconnected nanopores of anodic aluminum oxide</b> J. Yan, <i>Eastern New Mexico University, USA</i>
[C1.1.84]	N.P.	Yevlampieva	<b>Structural specificity of gas permeable silicon-containing polynorbornenes</b> N.P. Yevlampieva* <sup>1</sup> , M.A. Gringolts <sup>2</sup> , I.I. Zaitseva <sup>1</sup> , O.V. Okatova <sup>3</sup> , E.I. Rjuntsev <sup>1</sup> , et al, <sup>1</sup> <i>St. Petersburg State University, Russia</i> , <sup>2</sup> <i>A.V.Topchiev Institute of Petrochemical Synthesis RAS, Russia</i> , <sup>3</sup> <i>Institute of Macromolecular Compounds, Russia</i>
<b>Symposium C – Sol-gel</b>			
[C1.2.01]	A.	Arenillas	<b>Evaluation of MgH<sub>2</sub>/Ni-doped carbon composites as an alternative system for hydrogen storage</b> L. Zubizarreta <sup>1</sup> , A. Arenillas* <sup>1</sup> , H.L. Corso <sup>2</sup> , M.S. Moreno <sup>2</sup> , J.J. Pis <sup>1</sup> , <sup>1</sup> <i>INCAR-CSIC, Spain</i> , <sup>2</sup> <i>CAB-CNEA, Argentina</i>
[C1.2.02]	C.	Bodson	<b>Synthesis of Ag/TiO<sub>2</sub> hybrid photocatalysts by sol-gel process with new P-alkoxide functionalized ligands</b> S. Lambert <sup>1</sup> , C. Bied <sup>2</sup> , C. Bodson* <sup>1</sup> , C. Alie <sup>1</sup> , X. Cattoen <sup>2</sup> , B. Heinrichs <sup>1</sup> , et al, <sup>1</sup> <i>University of Liege, Belgium</i> , <sup>2</sup> <i>CNRS-ENSCM Montpellier, France</i>
[C1.2.03]	J.C.	Echeverría	<b>Hybrid silica materials for optical-fibre sensors to detect volatile organic compounds</b> J.C. Echeverría*, X. Ríos, P. de Vicente, J. Estella, J.J. Garrido, <i>Universidad Pública de Navarra, Spain</i>
[C1.2.04]	T.	Eckardt	<b>A design toolbox for tailored silica gels</b> A. Siegel, T. Eckardt*, <i>BASF Catalysts Germany GmbH, Germany</i>
[C1.2.05]	R.C.	Evans	<b>Luminescent fluorene-based conjugated polyelectrolytes in sol-gels for sensor applications</b> R.C. Evans* <sup>1,2</sup> , H.D. Burrows <sup>1</sup> , L.D. Carlos <sup>2</sup> , S.M. Fonseca <sup>1</sup> , U. Scherf <sup>3</sup> , Y. Shchipunov <sup>4</sup> , et al, <sup>1</sup> <i>University of Coimbra, Portugal</i> , <sup>2</sup> <i>University of Aveiro, Portugal</i> , <sup>3</sup> <i>Bergische Universität Wuppertal, Germany</i> , <sup>4</sup> <i>Russian Academy of Science, Russia</i>
[C1.2.06]	J.	Heimink	<b>Spray dried silica gels as carriers for drugs of low solubility</b> J. Heimink* <sup>1,2</sup> , P. Siegel <sup>3</sup> , H. Koller <sup>1,2</sup> , <sup>1</sup> <i>Westfälische Wilhelms-Universität Münster, Germany</i> , <sup>2</sup> <i>International NRW Graduate School of Chemistry, Germany</i> , <sup>3</sup> <i>Boehringer Ingelheim Pharma GmbH &amp; Co. KG, Germany</i>
[C1.2.07]	H.S.	Kim	<b>Fabrication of silica gel impregnated ceramic sheet using water glass and TEOS (tetraethyl orthosilicate) by reaction with sulphuric acid</b> H.S. Kim*, J.Y. Jung, S.O. Han, Y.J. Yoo, <i>KIER, Korea</i>
[C1.2.08]	Y.	Kodera	<b>Phase separation in silica sol-gel system containing polyoxyethylene alkyl ether</b> Y. Kodera*, K. Kanamori, K. Nakanishi, T. Hanada, <i>Kyoto University, Japan</i>
[C1.2.09]	G.	Kuncova	<b>The influence of immobilization into silica matrix on response of optical whole-cell biosensors</b> G. Kuncova* <sup>1</sup> , J. Trogl <sup>2</sup> , P. Gavlasova <sup>3</sup> , S.A. Ripp <sup>4</sup> , G.S. Saylor <sup>4</sup> , <sup>1</sup> <i>Institute of Chemical Process Fundamentals v.v.i. ASCR, Czech Republic</i> , <sup>2</sup> <i>University in Ústí nad Labem, Czech Republic</i> , <sup>3</sup> <i>Laboratory for Medical Diagnostics, Czech Republic</i> , <sup>4</sup> <i>University of Tennessee, USA</i>
[C1.2.10]	T.G.F.R.H.	Léonard	<b>Conception of photonic crystals based on opals and inverse opals</b> T.G.F.R.H. Léonard*, F.P.A.J. Piret, B.L. Su, <i>University of Namur, Belgium</i>

[C1.2.11]	E.	Lima	<b>Photosensitizing properties of carminic acid immobilized on different inorganic substrates</b> E. Lima* <sup>1</sup> , P. Bosch <sup>2</sup> , <sup>1</sup> Universidad Autonoma Metropolitana, Mexico, <sup>2</sup> Instituto de Investigaciones en Materiales UNAM, Mexico
[C1.2.12]	L.A.	Meghani	<b>Novel functional polymeric porous materials for sensing applications</b> L.A. Meghani*, C.C. Egger, Keele University, UK
[C1.2.13]	S.	Metz	<b>Functional microporous hollow fiber membranes based on inorganic-organic hybrid polymers (ORMOCER@s)</b> S. Metz*, T. Ballweg, W. Storch, K.H. Haas, Fraunhofer-Institut für Silicatforschung, Germany
[C1.2.14]	F.	Mirjalili	<b>Preparation of nano alpha alumina particles through the sol-gel method</b> F. Mirjalili* <sup>1,3</sup> , H. Mohamad <sup>2</sup> , L.C. Abdullah <sup>3</sup> , R. Aghababazadeh <sup>4</sup> , F.R. Ahmadun <sup>3</sup> , D. Biak <sup>3</sup> , <sup>1</sup> Maybod Islamic Azad University, Iran, <sup>2</sup> University Sains, Malaysia, <sup>3</sup> University Putra, Malaysia, <sup>4</sup> Institute for Colorants, paint and Coatings, Iran
[C1.2.15]	C.A.	Paèz Martinez	<b>Synthesis of metallo-porphyrin complexes and incorporation into TiO<sub>2</sub> and TiO<sub>2</sub>-SiO<sub>2</sub> xerogel photocatalysts</b> C.A. Paèz Martinez* <sup>1</sup> , B. Braconnier <sup>1</sup> , S. Lambert <sup>1</sup> , C. Alie <sup>1</sup> , D. Poelman <sup>2</sup> , R. Cloots <sup>1</sup> , et al, <sup>1</sup> University of Liege, Belgium, <sup>2</sup> Ghent University, Belgium
[C1.2.16]	S.	Parola	<b>Solvothermal sol-gel approach towards hybrid mesostructured BaTiO<sub>3</sub> materials</b> L. Bois, C. Desroches, F. Chassagneux, S. Parola*, University Lyon 1, France
[C1.2.17]	A.	Pistore	<b>Porosity controlled by the sol gel precursor in thin film</b> A. Pistore* <sup>1</sup> , S. Schutzmann <sup>2</sup> , H.K. Kan <sup>3</sup> , C. Ferraris <sup>3</sup> , M. Guglielmi <sup>1</sup> , G. Brusatin <sup>1</sup> , <sup>1</sup> Padova University, Italy, <sup>2</sup> LOT Oriel, Italy, <sup>3</sup> Nanyang Technological University, Singapore
[C1.2.18]	F.	Ribot	<b>Corrosion protection of aeronautical aluminium alloys by nanostructured sol-gel coatings</b> J. Monget <sup>1,2</sup> , E. Campazzi <sup>2</sup> , S. De Monredon-Senani <sup>2</sup> , F. Ribot* <sup>1</sup> , L. Nicole <sup>1</sup> , C. Sanchez <sup>1</sup> , <sup>1</sup> UPMC Univ Paris 06, France, <sup>2</sup> EADS IW (MTSE), France
[C1.2.19]	T.	Toupance	<b>Direct UV-irradiation of nanoparticulate thin films: An efficient low-temperature preparation method of nanoporous TiO<sub>2</sub> electrodes for flexible electrochromic and photovoltaic devices</b> Z. Tebby <sup>1</sup> , T. Toupance* <sup>1</sup> , G. Campet <sup>2</sup> , M.H. Delville <sup>2</sup> , L. Hirsch <sup>3</sup> , <sup>1</sup> University of Bordeaux 1, France, <sup>2</sup> Institut de Chimie de la Matière Condensée de Bordeaux, France, <sup>3</sup> Laboratoire de l'Intégration du Matériau au Système, France
[C1.2.20]	T.H.	Tran-Thi	<b>A versatile, selective and ultra-sensitive gas sensor for fast air quality measurements</b> R. Dagnelie <sup>1</sup> , P. Banet <sup>1</sup> , C. Cantau <sup>1</sup> , C. Rivron <sup>2</sup> , T.H. Tran-Thi* <sup>2</sup> , <sup>1</sup> CEA, France, <sup>2</sup> CNRS, France
[C1.2.21]	M.T.	Zainuddin	<b>Photochromism of 6-nitro BIPs in hybrid sol gel matrix derived from unsaturated alkyl functional triethoxysilane</b> M.T. Zainuddin*, M.Z. A Malek, M.I. Ezwan, K. Mohamad Isha, R. Roslim, N.M.A. Nik Abdul Aziz, SIRIM Berhad, Malaysia
[C1.2.22]	Yu.L.	Zub	<b>Hybrid adsorbents for cations sorption containing phosphorous acid derivatives: A comparative study</b> I.V. Melnyk <sup>1</sup> , O.A. Dudarko <sup>1</sup> , Yu.L. Zub* <sup>1</sup> , B. Alonso <sup>2</sup> , <sup>1</sup> NAS of Ukraine, Ukraine, <sup>2</sup> ICGM, France

**POSTER SESSION 2**  
**Monday 16<sup>th</sup> March, 18:00 – 19:30**

Poster Number	Poster Presenter	Title, Authors & Affiliations	
<b>Symposium A - Biomimetic Materials</b>			
[A2.1.01]	A.H.	Ahmad	<b>Adhesion and water repellent properties of nascent-modified dammar silicone thin film: A bio mimicry approach</b> A.H. Ahmad*, R. Zakaria, Universiti Teknologi MARA, Malaysia
[A2.1.02]	S.	Begu	<b>Characterization of phospholipid loaded in silica vesicles synthesized using liposomes as templates</b> S. Begu* <sup>1</sup> , A. Aubert-Pouessel <sup>1</sup> , T. Azais <sup>2</sup> , K. Selvaraj <sup>1</sup> , C. Tourne-Peteilh <sup>1</sup> , D.A. Lerner <sup>1</sup> , et al, <sup>1</sup> Institut Charles Gerhardt Montpellier, France, <sup>2</sup> Laboratoire de Chimie de la Matière Condensée de Paris, France
[A2.1.03]	I.	Ben Assaker	<b>Electrochemical formation of enzyme/layered double hydroxide modified electrodes</b> I. Ben Assaker*, L. Legrand, A. Chausse, Université d'Evry Val d'Essonne, France
[A2.1.04]	L.	Ben Tahar	<b>Dopamine functionalized polyol-made Co<sub>1-x</sub>Zn<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub> (0 ≤ x ≤ 1) nanoparticles as potential biomedical agents</b> H. Basti <sup>1,2</sup> , A. Hanini <sup>2</sup> , L. Ben Tahar* <sup>2</sup> , L.S. Smiri <sup>2</sup> , H. Abdelmelek <sup>2</sup> , F. Herbst <sup>1</sup> , et al, <sup>1</sup> Université Paris Diderot, France, <sup>2</sup> U. R. 99/UR12-30, Tunisia

[A2.1.05]	L.	Billon	<b>Tailoring highly ordered honeycomb 2D or 3D polymeric films by bottom-up approach</b> P. Escale, V. Pellerin, M. Save, L. Billon*, <i>Université de Pau et Pays de l'Adour, France</i>
[A2.1.06]	G.	Carbajal de la Torre	<b>Ultra fine hydroxyapatite powders: Chemical synthesis and its effect on morphological characteristics</b> G. Carbajal de la Torre <sup>*2</sup> , A. Martinez Valencia <sup>1,2</sup> , H.E. Esparza-Ponce <sup>1</sup> , J. Ortiz Landeros <sup>3</sup> , <sup>1</sup> <i>Centro de Investigacion en Materiales Avanzados, Mexico</i> , <sup>2</sup> <i>Universidad Michoacana de San Nicolas de Hidalgo, Mexico</i> , <sup>3</sup> <i>Instituto Politecnico Nacional, Mexico</i>
[A2.1.07]	C.	Chollet	<b>New hybrid material associating various densities of REDV-grafted polyethylene terephthalate and endothelial cells</b> C. Chollet <sup>*1,2</sup> , C. Chanseau <sup>1,2</sup> , M. Remy <sup>1,2</sup> , A. Guignandon <sup>3</sup> , L. Bordenave <sup>1,2</sup> , M.C. Durrieu <sup>1,2</sup> , et al, <sup>1</sup> <i>INSERM U577, France</i> , <sup>2</sup> <i>Universite Victor Segalen Bordeaux 2, France</i> , <sup>3</sup> <i>INSERM U890, France</i>
[A2.1.08]	F.	del Monte	<b>Multiwall carbon nanotube scaffolds for bone tissue engineering purposes</b> F. del Monte <sup>1,2</sup> , et al, <sup>1</sup> <i>CSIC, Spain</i> , <sup>2</sup> <i>UCM, Spain</i>
[A2.1.09]	T.	Dizhbite	<b>Novel functionalised lignin (lignocellulose) / silica hybrid materials</b> G. Telysheva <sup>1</sup> , T. Dizhbite <sup>*1</sup> , A. Anderson <sup>1</sup> , D. Evtuguin <sup>2</sup> , L. Belkova <sup>1</sup> , <sup>1</sup> <i>Latvian State Institute of Wood Chemistry, Latvia</i> , <sup>2</sup> <i>University of Aveiro, Portugal</i>
[A2.1.10]	A.	Ethirajan	<b>Polymeric nanoparticles synthesized via miniemulsion process as templates for the biomimetic mineralization of hydroxyapatite</b> A. Ethirajan <sup>*1,2</sup> , U. Ziener <sup>2</sup> , A. Chuvilin <sup>2</sup> , U. Kaiser <sup>2</sup> , H. Cölfen <sup>3</sup> , K. Landfester <sup>1,2</sup> , <sup>1</sup> <i>Max Planck Institute for Polymer Research, Germany</i> , <sup>2</sup> <i>University of Ulm, Germany</i> , <sup>3</sup> <i>Max Planck Institute of Colloids and Interfaces, Germany</i>
[A2.1.11]	M.	Fathi	<b>Synthesis and bioactivity evaluation of bone-like nanocrystalline hydroxyapatite</b> M. Fathi <sup>*1</sup> , V. Mortazavi <sup>2</sup> , E. Roohani Esfahani <sup>1</sup> , <sup>1</sup> <i>Isfahan University of Technology, Iran</i> , <sup>2</sup> <i>Isfahan University of Medical Sciences, Iran</i>
[A2.1.12]	C.	Garnier	<b>Influence of in situ enzymatic demethylation of pectins by pectinmethylesterases on rheological properties of gels in presence of calcium ions</b> A. Slavov <sup>1</sup> , E. Bonnin <sup>2</sup> , C. Garnier <sup>*2</sup> , M.J. Crépeau <sup>2</sup> , S. Durand <sup>2</sup> , J.F. Thibault <sup>2</sup> , <sup>1</sup> <i>Bulgarian Academy of Sciences LBAS, Bulgaria</i> , <sup>2</sup> <i>INRA-BIA, France</i>
[A2.1.13]	J.	He	<b>Tuning interfacial non-covalent interaction through biomimetic functionalization of inorganic surface: The case of lysozyme and mesocellular silica foam hybrids</b> J. He <sup>*</sup> , S. Lu, Z. Liu, <i>Beijing University of Chemical Technology, China</i>
[A2.1.14]	N.	Jaffrezic-Renault	<b>Functionalised gold nanoparticles for the improvement of the detection limit of an impedancemetric immunosensor</b> I. Hfaied <sup>1,2</sup> , F. Vocanson <sup>1</sup> , A. Abdelghani <sup>2</sup> , Z. Sassi <sup>3</sup> , F. Bessueille <sup>1</sup> , N. Jaffrezic-Renault <sup>*1</sup> , et al, <sup>1</sup> <i>Université de Lyon, France</i> , <sup>2</sup> <i>IPEST Tunis, Tunisia</i> , <sup>3</sup> <i>INSA Lyon, France</i>
[A2.1.15]	N.	Jaffrezic-Renault	<b>Immobilisation of trypsin in lamellar double hydroxides for the detection of polypeptides</b> H. Mansouri <sup>1,3</sup> , C. Forano <sup>1</sup> , V. Prevot <sup>1</sup> , N. Jaffrezic-Renault <sup>*2</sup> , A. Ben Haj Amara <sup>3</sup> , <sup>1</sup> <i>Université Blaise Pascal Clermont, France</i> , <sup>2</sup> <i>Université Claude Bernard Lyon 1, France</i> , <sup>3</sup> <i>Faculté des Sciences de Bizerte, Tunisia</i>
[A2.1.16]	Y.H.	Kim	<b>A study on the bioactivity of porous Si-containing hydroxyapatite</b> Y.H. Kim <sup>*1</sup> , W.T. Kwon <sup>1</sup> , H.S. Kim <sup>2</sup> , H.J. Kim <sup>3</sup> , et al, <sup>1</sup> <i>Korea Institute of Ceramic Engineering and Technology, Korea</i> , <sup>2</sup> <i>Seoul National University, Korea</i> , <sup>3</sup> <i>Meta Biomed Co. LTD, Korea</i>
[A2.1.17]	L.	Ming-Wei	<b>Chondrogenesis of human mesenchymal stem cells encapsulated in collagen-HA fibrils</b> L. Ming-Wei <sup>*1</sup> , T. Yi-Hsien <sup>2</sup> , H. Shih-Chieh <sup>3</sup> , W. Yng-Jiin <sup>2</sup> , F.F. Wang <sup>2</sup> , <sup>1</sup> <i>Chung Shan Medical University, Taiwan</i> , <sup>2</sup> <i>National Yang-Ming University, Taiwan</i> , <sup>3</sup> <i>Veterans General Hospital, Taiwan</i>
[A2.1.18]	N.	Nassif	<b>In vitro synthesis of hybrid materials exhibiting a bone-like architecture</b> N. Nassif <sup>*1</sup> , F. Gobeaux <sup>1</sup> , E. Belamie <sup>1</sup> , P. Davidson <sup>2</sup> , G. Mosser <sup>1</sup> , M.M. Giraud-Guille <sup>1</sup> , <sup>1</sup> <i>LCMCP, UPMC-CNRS-EPHE, France</i> , <sup>2</sup> <i>LPS, u-psud 11, CNRS, France</i>
[A2.1.19]	S.	Nayar	<b>Drug delivery using insitu functionalized ferrofluids</b> S. Nayar <sup>*</sup> , A.K. Pramanik, A. Mir, D. Mallik, <i>National Metallurgical Laboratory, India</i>
[A2.1.20]	S.	Orlic	<b>Study of hydrothermal transformation mechanism of cuttlefish bone into hydroxyapatite</b> H. Ivankovic, E. Tkalcec, S. Orlic <sup>*</sup> , M. Ivankovic, <i>University of Zagreb, Croatia</i>
[A2.1.21]	A.K.	Pramanick	<b>Synthesis of biomimetic silver nanoparticles for drug delivery</b> A.K. Pramanick <sup>*</sup> , A. Mir, S. Nayar, <i>National Metallurgical Laboratory, India</i>
[A2.1.22]	I.A.	Rashkovan	<b>Biocompatible isotropic carbon fiber reinforced plastic (CFRP) based on polyamide-12</b> I.A. Rashkovan <sup>*1</sup> , A.P. Krasnov <sup>2</sup> , M.E. Kazakov <sup>1</sup> , et al, <sup>1</sup> <i>UVICOM Co.Ltd, Russia</i> , <sup>2</sup> <i>A.N.Nesmeyanov Institute of Organoelement Compounds RAS, Russia</i>
[A2.1.23]	L.S.	Smiri	<b>Colloids of ferrites as magnetic fluids for the treatment of the cancer by hyperthermia</b> H. Basti <sup>1,2</sup> , L. Ben Tahar <sup>2</sup> , L.S. Smiri <sup>*2</sup> , S. Ammar <sup>1</sup> , F. Herbst <sup>1</sup> , F. Fievet <sup>1</sup> , et al, <sup>1</sup> <i>Université Paris7, France</i> , <sup>2</sup> <i>U. R. 99/UR12-30, Tunisia</i>

[A2.1.24]	S.	Bégu	<b>New layered double hydroxydes/phospholipid bilayer hybrid material with strong potential for sustained drug delivery</b> P. Ramona, S. Bégu*, A.P. Anne, D. Jean-Marie, L. Dan, T. Didier, <i>Institut Charles Gerhardt Montpellier, France</i>
[A2.1.25]	E. & S.	Taffin De Givenchy & Amigoni	<b>Nanoporous functionalized superamphiphobic surfaces from electrochemical polymerization</b> F. Guittard, T. Darmanin, E. Taffin De Givenchy*, S. Amigoni*, <i>Universite de Nice Sophia Antipolis, France</i>
[A2.1.26]	A.	Talal	<b>Growth of periodontal ligament cells and release of platelet derived growth factor from polylactide/hydroxyapatite composite films</b> A. Talal* <sup>1,2</sup> , F.J. Hughes <sup>2</sup> , K.E. Tanner <sup>1</sup> , <sup>1</sup> University of Glasgow, UK, <sup>2</sup> Queen Mary University of London, UK
[A2.1.27]	P.	Thanikaivelan	<b>Structural and thermal investigations of biomimetically grown casein-soy composite protein fibres</b> T.B. Sudha, P. Thanikaivelan*, M. Ashokkumar, B. Chandrasekaran, <i>Central Leather Research Institute, India</i>
[A2.1.28]	A.I.	Triftaridou	<b>Poly(N,N-dimethylacrylamide)-b-poly(L-Lysine) hybrid copolymers: Synthesis and aqueous solution properties</b> A.I. Triftaridou*, I. Iliopoulos, <i>ESPCI-CNRS, France</i>
[A2.1.29]	M.	Uo	<b>Carbon nanotubes/collagen composite for biomedical applications</b> M. Uo*, M. Terada, T. Akasaka, Y. Kitagawa, F. Watari, <i>Hokkaido University, Japan</i>
[A2.1.30]	L.	Viau	<b>Ionogels, new host materials: Applications as drug delivery system</b> C. Tourné-Péteilh, L. Viau*, A. Vioux, J.M. Devoisselle, <i>Institut Charles Gerhardt Montpellier, France</i>
[A2.1.31]	M.A.	Vicente	<b>Porphyrin functionalized on kaolinite clay: New hybrid catalytic materials efficient in oxidation reactions</b> M.A. Vicente <sup>1</sup> , N. Bizaia* <sup>2</sup> , E.H. de Faria <sup>2</sup> , G.P. Ricci <sup>2</sup> , P.S. Calefi <sup>2</sup> , E.J. Nassar <sup>2</sup> , et al, <sup>1</sup> Universidad de Salamanca, Spain, <sup>2</sup> Universidade de Franca, Brazil
[A2.1.32]	D.	Xie	<b>Bioactive dental glass-ionomer cement with potential therapeutic function to dentin capping mineralization</b> D. Xie*, J. Zhao, Y. Weng, <i>IUPUI, USA</i>
[A2.1.33]	S.	Zhu	<b>Sonochemical fabrication of morpho-genetic TiO<sub>2</sub> with hierarchical structures</b> S. Zhu*, D. Zhang, H. Jiang, <i>Shanghai Jiao Tong University, China</i>
<b>Symposium B - Functional Nanoparticles and Nanotubes</b>			
[B2.1.01]	A.	Aboulaich	<b>Organo-soluble and reactive SiO<sub>2</sub> and SiO<sub>2</sub>-TiO<sub>2</sub> nanoparticles by a nonhydrolytic sol-gel route</b> P.H. Mutin <sup>1,2</sup> , A. Aboulaich* <sup>2</sup> , O. Lorret <sup>2</sup> , B. Boury <sup>2,1</sup> , <sup>1</sup> CNRS, France, <sup>2</sup> Université Montpellier 2, France
[B2.1.02]	I.M.	Afanasov	<b>Expanded graphite supported Ni composites as hydrocracking catalysts</b> I.M. Afanasov <sup>1</sup> , O.N. Shornikova <sup>1</sup> , O.I. Lebedev <sup>2</sup> , V.A. Morozov <sup>1</sup> , B.A. Kolozhvari <sup>1</sup> , A.V. Smirnov <sup>1</sup> , et al, <sup>1</sup> Moscow State University, Russia, <sup>2</sup> University of Antwerp, Belgium
[B2.1.03]	M.I.	Ahmad	<b>A population balance model for the chemical vapour synthesis of nanocrystalline titania powders</b> M.I. Ahmad*, S.S. Bhattacharya, <i>Indian Institute of Technology, India</i>
[B2.1.04]	M.	Alexandre	<b>Gold nanoparticles nanostructured in block copolymers upon melt blending: Design of a stable and compatible silica/polymer shell</b> M. Alexandre* <sup>1,2</sup> , C. Abetz <sup>1</sup> , C.H. Jerome <sup>2</sup> , V. Abetz <sup>1</sup> , A. Boschetti-de-Fierro <sup>1</sup> , <sup>1</sup> GKSS-Forschungszentrum Geesthacht GmbH, Germany, <sup>2</sup> University of Liège, Belgium
[B2.1.05]	A.	Alizadeh	<b>Modification of gold nanoparticles with monoaza crown ethers (synthesis, characterization &amp; aggregation)</b> A. Alizadeh*, M.M. Khodaei, Ch. Karami, M. Shamsipur, M. Sadeghi, <i>Razi University, Iran</i>
[B2.1.06]	R.	Alvarez-Rodriguez	<b>Smart behaviour exhibited by 2-D and 3-D assemblies of gold nanoparticles and recombinant elastin-like polymers</b> R. Alvarez-Rodriguez* <sup>1,2</sup> , J. Arias <sup>1,2</sup> , M. Alonso <sup>1,2</sup> , J.C. Rodríguez-Cabello <sup>1,2</sup> , <sup>1</sup> Bioforge University of Valladolid, Spain, <sup>2</sup> CIBER BBN, Spain
[B2.1.07]	S. & E.	Amigoni & Taffin De Givenchy	<b>Bottom up approach for the construction of water repellent surfaces</b> S. Amigoni*, E. Taffin De Givenchy*, M. Dufay, F. Guittard, <i>Université de Nice, France</i>
[B2.1.08]	T.	Avarmaa	<b>Phenylhydrazine functionalized SWCNT-polymer composites for gas sensors</b> K. Paabo, U. Mäeorg, T. Avarmaa*, R. Jaaniso, <i>University of Tartu, Estonia</i>
[B2.1.09]	N.	Baccile	<b>Hydrothermal carbon from biomass: Recent advances in synthesis, one pot functionalization and fine structure resolution by 13C solid state NMR</b> N. Baccile* <sup>1</sup> , F. Babonneau <sup>2</sup> , M.M. Titirici <sup>1</sup> , M. Antonietti <sup>1</sup> , <sup>1</sup> Max-Planck Institute for Colloids, Germany, <sup>2</sup> University Pierre et Marie Curie, France
[B2.1.10]	P.	Baláž	<b>Mechanochemistry of eggshell as a multifunctional biomaterial for hazardous waste treatment</b> P. Baláž* <sup>1</sup> , E. Turianicová <sup>1</sup> , M. Baláž <sup>2</sup> , <sup>1</sup> Slovak Academy of Sciences, Slovakia, <sup>2</sup> Pavol Jozef Šafárik University in Košice, Slovakia

[B2.1.11]	C.	Bantz	<b>Synthetic nanoparticles in lung tissue models</b> C. Bantz <sup>*1</sup> , H.J. Galla <sup>2</sup> , C.J. Kirkpatrick <sup>1</sup> , R.H. Stauber <sup>1</sup> , M. Maskos <sup>1,3</sup> , et al, <sup>1</sup> Johannes Gutenberg-Universität Mainz, Germany, <sup>2</sup> Universität Münster, Germany, <sup>3</sup> Institut für Mikrotechnik Mainz GmbH, Germany
[B2.1.12]	Y.	Battie	<b>Growth mechanisms of silver nanoparticles in mesostructured hybrid silica films under laser illumination</b> Y. Battie <sup>*1</sup> , N. Destouches <sup>1</sup> , A. Boukenter <sup>1</sup> , A. Tishchenko <sup>1</sup> , L. Bois <sup>2</sup> , F. Chassagneux <sup>2</sup> , et al, <sup>1</sup> Université de Lyon, France, <sup>2</sup> Université Claude Bernard Lyon 1, France
[B2.1.13]	M.	Bendova	<b>Functional cadmium sulfide clusters as nanosized building blocks for hybrid materials</b> M. Bendova <sup>*</sup> , M. Puchberger, U. Schubert, Vienna University of Technology, Austria
[B2.1.14]	L.	Billon	<b>From well-defined spherical nano to micron-sized flakes as core/shell hybrids by surface initiated nitroxide mediated polymerisation</b> C. Deleuze, L. Ghannam, L. Billon <sup>*</sup> , Université de Pau et des Pays de l'Adour, France
[B2.1.15]	J.	Boudon	<b>Self-organized liquid-crystalline dendrimer functionalized gold nanoparticles: A promising optical hybrid material?</b> J. Boudon <sup>*1</sup> , S. Frein <sup>1</sup> , T. Scharf <sup>1</sup> , G. Süß-Fink <sup>1</sup> , T. Bürgi <sup>1,2</sup> , R. Deschenaux <sup>1</sup> , <sup>1</sup> University of Neuchâtel, Switzerland, <sup>2</sup> University of Heidelberg, Germany
[B2.1.16]	J.	Bujdák	<b>Photoactive materials based on porphyrin / layered double hydroxide hybrid films</b> J. Bujdák <sup>*1</sup> , K. Lang <sup>2</sup> , N. Iyi <sup>3</sup> , <sup>1</sup> SAS, Slovakia, <sup>2</sup> Institute of Inorganic Chemistry, v.v.i., ASCR, Czech Republic, <sup>3</sup> National Institute for Materials Science, Japan
[B2.1.17]	---	---	<b>Paper Withdrawn</b>
[B2.1.18]	C.	Chaix	<b>Elaboration of nano-on-micro (NOM)-assembled silica particles to enable solid-phase oligonucleotide synthesis on the nano-sized objects: Applications to DNA detection</b> C. Chaix <sup>*</sup> , C. Farre, M. Lansalot, R. Bazzi, S. Roux, C.A. Marquette, et al, Université Lyon 1, France
[B2.1.19]	N.A.	Chaniotakis	<b>Electrochemically active hybrid nanomaterials for stabilization and mediation in biodevices</b> N.A. Chaniotakis <sup>*</sup> , V. Vamvakaki, University of Crete, Greece
[B2.1.20]	P.J.	Chao	<b>Synthesis and characterization of CNT/CdSe nanocomposite</b> F.H. Lin <sup>1</sup> , Y.J. Wang <sup>2</sup> , P.J. Chao <sup>*2</sup> , <sup>1</sup> National Taiwan University, Taiwan, <sup>2</sup> National Yang-Ming University, Taiwan
[B2.1.21]	S.	Chausson	<b>Original structures and magnetic properties of a Copper(II) alkylphosphonates series for nanocomposite application</b> S. Chausson <sup>*1</sup> , O. Perez <sup>1</sup> , R. Retoux <sup>1</sup> , J.M. Rueff <sup>1</sup> , C. Simon <sup>1</sup> , L. Le Pluart <sup>2</sup> , et al, <sup>1</sup> CRISMAT, France, <sup>2</sup> LCMT, France, <sup>3</sup> CEMCA, France
[B2.1.22]	J.Z.	Chen	<b>Effects of carbon based nano-composite on dye-sensitized solar cells</b> J.Z. Chen <sup>*</sup> , K.J. Lin, National Chung Hsing University, Taiwan
[B2.1.23]	C.W.	Chiu	<b>Silicate rods and dendrites from self-piling of high-aspect-ratio clay platelets</b> C.W. Chiu <sup>*2</sup> , J.J. Lin <sup>1</sup> , <sup>1</sup> National Taiwan University, Taiwan, <sup>2</sup> National Chung Hsing University, Taiwan
[B2.1.24]	H.	Chuen-Yuan	<b>Fabrication of tunable surface plasmon resonance of gold nanoparticles</b> H. Chuen-Yuan <sup>*</sup> , L. Kuan-Jiuh, National Chung Hsing University, Taiwan
[B2.1.25]	F.	Ciesielczyk	<b>Preparation of MgO-SiO<sub>2</sub> hybrid in emulsion environment</b> F. Ciesielczyk <sup>*</sup> , A. Krysztafkiwicz, T. Jesionowski, Poznan University of Technology, Poland
[B2.1.26]	A.K.	Cuentas-Gallegos	<b>Electrochemical applications of hybrid materials based on nanocarbons and polyoxometalates</b> S. Peñalosa-Jiménez, A. Vargas-Ocampo, N. Rayón-López, R. Martínez-Rosales, M. González-Toledo, A.K. Cuentas-Gallegos <sup>*</sup> , et al, Universidad Nacional Autónoma de México, Mexico
[B2.1.27]	F.	Cuevas	<b>Microstructural and magnetic properties of PdNi nanoparticles synthesized in nanoporous carbon templates</b> R. Campesi <sup>1</sup> , V. Paul-Boncour <sup>1</sup> , F. Cuevas <sup>*1</sup> , E. Leroy <sup>1</sup> , M. Hirscher <sup>2</sup> , R. Gadiou <sup>3</sup> , et al, <sup>1</sup> CMTR-ICMPE-CNRS, France, <sup>2</sup> MPI-MF, Germany, <sup>3</sup> ICSI-CNRS, France
[B2.1.28]	D.C.	Culita	<b>Multifunctional magnetic nanoparticles for possible biological applications</b> D.C. Culita <sup>*1</sup> , G. Marinescu <sup>1</sup> , L. Patron <sup>1</sup> , F. Tuna <sup>2</sup> , C. Ghica <sup>3</sup> , S. Nita <sup>4</sup> , <sup>1</sup> Institute of Physical Chemistry "Ilie Murgulescu", Romania, <sup>2</sup> University of Manchester, UK, <sup>3</sup> National Institute for Materials Physics, Romania, <sup>4</sup> National Institute of Chemical-Pharmaceutical Research and Development, Romania
[B2.1.29]	A.L.	Daniel-da-Silva	<b>Biofunctionalized magnetic thermosensitive nanospheres: Strategy of synthesis and surface modification</b> A.L. Daniel-da-Silva <sup>*</sup> , T. Trindade, B.J. Goodfellow, A.M. Gil, University of Aveiro, Portugal
[B2.1.30]	S.	Daniele	<b>Recent advances of TiO<sub>2</sub> functional nanoparticles elaboration by chemical design</b> S. Daniele, Université Lyon 1, France

[B2.1.31]	F.	del Monte	<b>Macroporous architectures of self-assembled MWCNTs as three dimensional anodes in fuel cells</b> F. del Monte*, M.J. Hortiguuela, M.C. Gutierrez, et al, <i>CSIC, Spain</i>
[B2.1.32]	C.	Deleuze	<b>Tailoring spherical hybrid core/shell materials for optical properties</b> C. Deleuze <sup>1</sup> , C. Derail <sup>1</sup> , M.H. Delville <sup>2</sup> , L. Billon <sup>1</sup> , <sup>1</sup> <i>IPREM / EPCP, France</i> , <sup>2</sup> <i>ICMCB, France</i>
[B2.1.33]	W.	Di	<b>Controlled synthesis and energy transfer of europium-doped terbium orthophosphate nanocrystals by citric acid-assisted hydrothermal route</b> W. Di*, N. Pinna, <i>University of Aveiro, Portugal</i>
[B2.1.34]	N.L.	Dias Filho	<b>A novel hybrid nanomaterial derived from a polyhedral oligomeric silsesquioxane cage for application in oxidation catalysis</b> N.L. Dias Filho <sup>1</sup> , F.C.M. Portugal <sup>2</sup> , V. Félix <sup>3</sup> , P.D. Vaz <sup>2</sup> , C.D. Nunes <sup>2</sup> , M.J. Calhorda <sup>2</sup> , et al, <sup>1</sup> <i>Universidade Estadual Paulista, Brazil</i> , <sup>2</sup> <i>Universidade de Lisboa, Portugal</i> , <sup>3</sup> <i>Universidade de Aveiro, Portugal</i>
[B2.1.35]	R.X.	Dong	<b>Controllable synthesis and morphology of silver nanoparticles under organic templates of poly(oxyethylene)-segmented amidoacids</b> J.J. Lin, R.X. Dong*, W.C. Tsai, H.F. Lin, <i>National Taiwan University, Taiwan</i>
[B2.1.36]	Z.	Drozd	<b>Elastic and plastic properties of microcrystalline Mg reinforced by alumina and zirconia nanoparticles</b> Z. Drozd*, Z. Trojanová, <i>Charles University, Czech Republic</i>
[B2.1.37]	J.L.	Duvail	<b>Coaxial nickel/poly(p-phenylene-vinylene) nanowires as multifunctional building-blocks manipulated magnetically</b> J.M. Lorcy, F. Massuyeau, J. Wéry, E. Faulques, O. Chauvet, J.L. Duvail*, <i>Institut des Matériaux Jean Rouxel, France</i>
[B2.1.38]	---	---	<b>Paper Withdrawn</b>
[B2.1.39]	A.	Etxeberria	<b>Nanoparticle formation kinetic followed by NMR: 1H, 13C and HSQC experiments</b> A. Etxeberria <sup>1</sup> , A. Ruiz de Luzuriaga <sup>2</sup> , H. Grande <sup>2</sup> , J.A. Pomposo <sup>2</sup> , <sup>1</sup> <i>Universidad del País Vasco-Euskal Herriko Unibertsitatea, Spain</i> , <sup>2</sup> <i>CIDETEC, Spain</i>
[B2.1.40]	C.	Farre	<b>Elaboration of nano-on-micro assemblies with fluorescent nanoparticles for oligonucleotide solid-phase synthesis toward DNA detection in a lab-on-chip device</b> C. Farre*, C. Chaix, M. Lansalot, C.A. Marquette, N. Charvet, C. Louis, et al, <i>Université Lyon 1, France</i>
[B2.1.41]	M.P.	Fedotova	<b>TiO<sub>2</sub>-containing systems for photodegradation of organic substances</b> M.P. Fedotova <sup>1</sup> , G.A. Voronova <sup>1,2</sup> , E.Y. Emelyanova <sup>1</sup> , O.V. Vodyankina <sup>1</sup> , <sup>1</sup> <i>Tomsk State University, Russia</i> , <sup>2</sup> <i>Tomsk Polytechnic University, Russia</i>
[B2.1.42]	N.	Fereshteh Saniee	<b>Structural, electrical and optical properties of Si-doped ZnO thin films grown by pulsed laser deposition</b> N. Fereshteh Saniee*, J.S. Abell, J. Bowen, <i>University of Birmingham, UK</i>
[B2.1.43]	C.	Freire	<b>Functionalization of carbon nanotubes by silanization reaction</b> H.S. Gaspar, F. Gonçalves, S.L.H. Rebelo, M.F.R. Pereira, C. Freire*, J.L. Figueiredo, et al, <i>REQUIMTE, Portugal</i>
[B2.1.44]	R.	Ghasempour	<b>Hybrid nanocomposite of WO<sub>3</sub>/MWCNTs as gas sensors</b> R. Ghasempour*, A. Raji Zad, N. Taghavi Nia, S. Fardin Doust, M.R. Hormozi Nezhad, <i>Sharif University of Technology, Iran</i>
[B2.1.45]	F.	Giulieri	<b>Increase of colour and mechanical properties using fibrous clay as fillers in acrylate elastomer</b> L. Challier <sup>1</sup> , S. Ovarlez <sup>1</sup> , F. Giulieri <sup>1</sup> , A. Burr <sup>2</sup> , F. Delamare <sup>2</sup> , A.M. Chaze <sup>1</sup> , <sup>1</sup> <i>Université de Nice Sophia Antipolis, France</i> , <sup>2</sup> <i>CEMEF – Ecole des Mines de Paris, France</i>
[B2.1.46]	A.	Gohier	<b>Controlled grafting of polymer films onto multi-walled carbon nanotubes using diazonium salt based one-pot process</b> A. Gohier <sup>1</sup> , M. Mayne-L'Hermite <sup>1</sup> , F. Nekelson <sup>2</sup> , G. Deniau <sup>2</sup> , S. Palacin <sup>2</sup> , C. Reynaud <sup>1</sup> , <sup>1</sup> <i>CEA(Saclay)/DSM/IRAMIS/SPAM, France</i> , <sup>2</sup> <i>CEA(Saclay)/DSM/IRAMIS/SPCSI, France</i>
[B2.1.47]	L.F.F.F.	Gonçalves	<b>Optical properties of hybrid gels with incorporated CdSe nanoparticles</b> L.F.F.F. Gonçalves*, C.J.R. Silva, M.J.M. Gomes, <i>University of Minho, Portugal</i>
[B2.1.48]	C.M.	Granadeiro	<b>Luminescent polyoxometalates encapsulated in silica nanoparticles</b> C.M. Granadeiro*, R.A.S. Ferreira, P.C.R. Soares-Santos, L.D. Carlos, T. Trindade, H.I.S. Nogueira, <i>University of Aveiro, Portugal</i>
[B2.1.49]	M.	Hanaya	<b>Formation of NiZn ferrite nano-rod array by RF magnetron sputtering onto nanoporous alumina membrane</b> T. Arai, T. Kyomen, M. Hanaya*, <i>Gunma University, Japan</i>
[B2.1.50]	K.	Hervé	<b>Stable aqueous suspensions of PEGylated SPION for biomedical application</b> K. Hervé*, E. Munnier, L. Douziech-Eyrolles, M. Soucé, P. Dubois, I. Chourpa, et al, <i>Université François Rabelais de Tours, France</i>
[B2.1.51]	L.	Hu	<b>Comparison of various methods of grafting of modified-PEG onto maghemite nanoparticles in aqueous medium including synthesis by microwave refluxing</b> L. Hu*, D. Hach, D. Chaumont, C.H. Brachais, J.P. Couvercelle, A. Percheron, <i>Université de Bourgogne, France</i>
[B2.1.52]	T.	Jesionowski	<b>Pigment composites obtained via adsorption of dyes onto uniform silica support</b> T. Jesionowski*, B. Kurc, A. Krysztalkiewicz, <i>Poznan University of Technology, Poland</i>

[B2.1.53]	T.	Jesionowski	<b>TiO<sub>2</sub>/SiO<sub>2</sub> hybrid materials obtained in emulsion media</b> T. Jesionowski*, K. Siwinska-Stefanska, A. Krysztalkiewicz, <i>Poznan University of Technology, Poland</i>
[B2.1.54]	N.	Kameta	<b>Self-assembled organic nanotubes for one-dimensional alignment of biomacromolecules</b> N. Kameta* <sup>1,2</sup> , M. Masuda <sup>1,2</sup> , T. Shimizu <sup>1,2</sup> , <sup>1</sup> <i>National Institute of Advanced Industrial Science and Technology, Japan</i> , <sup>2</sup> <i>SORST, Japan Science and Technology Agency, Japan</i>
[B2.1.55]	N.	Keghouche	<b>Catalytic and structural properties of Ni/oxide composites synthesized by radiolysis</b> N. Keghouche* <sup>1</sup> , Y. Benguedouar <sup>1</sup> , N. Ouafek <sup>1</sup> , S. Chettibi <sup>1</sup> , M.M. Bettahar <sup>2</sup> , <sup>1</sup> <i>Université Mentouri Constantine, Algeria</i> , <sup>2</sup> <i>Laboratoire de Catalyse Hétérogène, France</i>
[B2.1.56]	N.	Keghouche	<b>Structural and optical study of –semi conductor nanoparticles synthesized under ionized radiations</b> N. Keghouche* <sup>1</sup> , A.H. Souici <sup>1,2</sup> , M. Mostafavi <sup>2</sup> , H. Remita <sup>2</sup> , J.A. Delaire <sup>3</sup> , <sup>1</sup> <i>Constantine University, Algeria</i> , <sup>2</sup> <i>Université Paris-Sud, France</i> , <sup>3</sup> <i>Laboratoire de Photophysique et Photochimie Supramoléculaires et Macromoléculaires, France</i>
[B2.1.57]	I.Y.	Kim	<b>Crystal structure, morphology, and electrode performance of 1D nanostructured manganese oxides prepared with various solid-state precursors</b> I.Y. Kim*, H.W. Ha, T.W. Kim, S.J. Hwang, <i>Ewha Womans University, Korea</i>
[B2.1.58]	J.	Kliava	<b>Nanocomposites based on glasses simultaneously doped with iron and manganese</b> J. Kliava* <sup>1</sup> , I. Edelman <sup>2</sup> , O. Ivanova <sup>2</sup> , R. Inantsov <sup>2</sup> , O. Bayukov <sup>2</sup> , E. Petrakovskaja <sup>2</sup> , et al, <sup>1</sup> <i>Université Bordeaux 1, France</i> , <sup>2</sup> <i>Siberian Branch of RAS, Russia</i>
[B2.1.59]	B.S.	Kong	<b>Gold nanoparticle decoration on the graphene thin films</b> B.S. Kong*, J. Geng, H.T. Jung, <i>KAIST, Korea</i>
[B2.1.60]	T.	Kozlecki	<b>Polymeric nanoparticles obtained via aza-Michael reaction</b> T. Kozlecki* <sup>1</sup> , I. Polowczyk <sup>1</sup> , K. Terpilowski <sup>2</sup> , <sup>1</sup> <i>Wroclaw University of Technology, Poland</i> , <sup>2</sup> <i>Maria Curie-Skłodowska University, Poland</i>
[B2.1.61]	P.	Papaphilippou	<b>Superparamagnetic hybrid micelles, based on iron oxide nanoparticles and well-defined diblock copolymers possessing beta-ketoester groups</b> P. Papaphilippou* <sup>1</sup> , T. Krasia-Christoforou <sup>1</sup> , C. Popa <sup>2</sup> , A. Han <sup>3</sup> , L. Vekas <sup>2</sup> , <sup>1</sup> <i>University of Cyprus, Cyprus</i> , <sup>2</sup> <i>Romanian Academy, Romania</i> , <sup>3</sup> <i>University Politehnica Timisoara, Romania</i>
[B2.1.62]	K.	Lang	<b>How intercalated porphyrins in layered double hydroxides produce singlet oxygen</b> K. Lang* <sup>1</sup> , E. Kafunkova <sup>1,2</sup> , F. Kovanda <sup>3</sup> , C. Taviot-Guého <sup>4</sup> , <sup>1</sup> <i>Institute of Inorganic Chemistry, v.v.i., ASCR, Czech Republic</i> , <sup>2</sup> <i>Charles University, Czech Republic</i> , <sup>3</sup> <i>Institute of Chemical Technology Prague, Czech Republic</i> , <sup>4</sup> <i>Universite Blaise Pascal, France</i>
[B2.1.63]	C.H.	Lee	<b>Reactivity of metal-deposited mesoporous silica by hydrothermal treatment</b> C.H. Lee* <sup>1</sup> , H.P. Lin <sup>2</sup> , R.A. Doong <sup>1</sup> , <sup>1</sup> <i>National Tsing Hua University, Taiwan</i> , <sup>2</sup> <i>National Cheng Kung University, Taiwan</i>
[B2.1.64]	K.J.	Lin	<b>Honeycomb networks of multi-walled carbon nanotubes as flexible transparent conducting films</b> K.J. Lin*, S.J. Fu, J.W. Su, <i>National Chung Hsing University, Taiwan</i>
[B2.1.65]	C.J.	Lomoschitz	<b>Zirconia-phosphonate/phosphate hybrids in a bottom-up approach</b> C.J. Lomoschitz* <sup>1</sup> , N. Moszner <sup>2</sup> , G. Kickelbick <sup>1</sup> , <sup>1</sup> <i>Vienna University of Technology, Austria</i> , <sup>2</sup> <i>Ivoclar Vivadent AG, Liechtenstein</i>
[B2.1.66]	X.M.	Lu	<b>Nano-ribbon prepared with ultrasonic technique from macro-lamellar crystal</b> X.M. Lu* <sup>1,2</sup> , T. Wang <sup>1</sup> , C.H. Ye <sup>2</sup> , <sup>1</sup> <i>Capital Normal University, China</i> , <sup>2</sup> <i>Wuhan Institute of Physics and Mathematics, China</i>
[B2.1.67]	X.M.	Lu	<b>Nano-helix prepared by sonochemical process from macro-tubular crystal</b> X.M. Lu* <sup>1,2</sup> , T. Wang <sup>1</sup> , C.H. Ye <sup>2</sup> , <sup>1</sup> <i>Capital Normal University, China</i> , <sup>2</sup> <i>Wuhan Institute of Physics and Mathematics, China</i>
[B2.1.68]	J.P.	Lukaszewicz	<b>Biotechnological synthesis and characterization of nano-sized LaMnO<sub>3</sub> crystals in carbon matrix</b> A. Cyganiuk, J.P. Lukaszewicz*, <i>Nicholas Copernicus University, Poland</i>
[B2.1.69]	R.	Luri	<b>Severe plastic deformation of ARMCO-iron by equal channel angular extrusion</b> C.J. Luis <sup>1</sup> , R. Luri* <sup>1</sup> , I. Puertas <sup>1</sup> , J. León <sup>1</sup> , R. Rodríguez <sup>2</sup> , G. Vargas <sup>3</sup> , <sup>1</sup> <i>Public University of Navarre, Spain</i> , <sup>2</sup> <i>Industry Association of Navarre, Spain</i> , <sup>3</sup> <i>AH Associates Architects, Spain</i>
[B2.1.70]	D.	Lutic	<b>Application of some micro- and mesoporous materials in gas and particle sensing</b> D. Lutic* <sup>1</sup> , E. Seftel <sup>1</sup> , E. Popovici <sup>1</sup> , A. Lloyd Spetz <sup>2</sup> , <sup>1</sup> <i>A.I.I. Cuza University Iasi, Romania</i> , <sup>2</sup> <i>Linköping University, Sweden</i>
[B2.1.71]	G.	MacDonald	<b>Application of functional nanoparticles to consumer products</b> G. MacDonald*, B. Do, <i>Kimberly-Clark Corporation, USA</i>

[B2.1.72]	E.A.	Makeeva	<b>Hybrid organo-inorganic fluorescent sensors for metal cations</b> E.A. Makeeva <sup>*1</sup> , P.A. Panchenko <sup>2</sup> , A.V. Koshkin <sup>2</sup> , et al, <sup>1</sup> Moscow State University, Russia, <sup>2</sup> Russian Academy of Sciences, Russia
[B2.1.73]	A.	Malak	<b>Hybrid materials based on LDHs for supercapacitor application</b> A. Malak <sup>*1,2</sup> , C. Vix-Guterl <sup>2</sup> , E. Frackowiak <sup>1</sup> , <sup>1</sup> Poznan University of Technology, Poland, <sup>2</sup> Institut de Chimie des Surfaces et Interfaces, France
[B2.1.74]	N.	Marchet	<b>Particle size and shape analysis with CILAS instruments</b> N. Marchet, CILAS, France
[B2.1.75]	J.L.	Mattei	<b>Low-loss magnetodielectric spinel-ferrite based ceramic with constant permeability and permittivity in the UHF range</b> A. Thakur, J.L. Mattei*, A. Chevalier, P. Queffelec, LabSTICC, France
[B2.1.76]	J.L.	Mattei	<b>Technological role of Indium in nickel-zinc nano ferrites synthesized via reverse micelle technique</b> S. Thakur <sup>1</sup> , S.C. Katyal <sup>1</sup> , P. Quéffélec <sup>2,3</sup> , J.L. Mattei <sup>*2,3</sup> , M. Singh <sup>4</sup> , <sup>1</sup> Jypte University, India, <sup>2</sup> Centre Laboratory for Electronics and Systems, France, <sup>3</sup> labSTICC, France, <sup>4</sup> H.P. University, India
[B2.1.77]	L.	Maurizi	<b>New third generation SPIO for cardiac HER2/Neu receptor imaging</b> L. Maurizi <sup>*1</sup> , H. Bishit <sup>1</sup> , D. Vandroux <sup>2</sup> , P. Walker <sup>1</sup> , F. Bouyer <sup>1</sup> , N. Millot <sup>1</sup> , <sup>1</sup> University of Burgundy, France, <sup>2</sup> University Hospital Center, France
[B2.1.78]	R.	Méallet-Renault	<b>New near-IR aza-BODIPY derivatives grafted to polymeric beads: Application to gas sensing</b> R. Méallet-Renault <sup>*1</sup> , T.T. Vu <sup>1</sup> , G. Clavier <sup>1</sup> , R.B. Pansu <sup>1</sup> , B.A. Trofimov <sup>2</sup> , D.F. O'Shea <sup>3</sup> , <sup>1</sup> PPSM, France, <sup>2</sup> Favorsky Institute of Chemistry, Russia, <sup>3</sup> University College Dublin, Ireland
[B2.1.79]	H.	Merzouk	<b>Morphological and optical properties of ZnS thin film prepared by solution growth technique</b> H. Merzouk*, S. Saoudi, A. Aksas, D. Haddiouché, University of Bejaia, Algeria
[B2.1.80]	I.	Miletto	<b>Encapsulation of cyanine dyes in silica nanoparticles: Effect on the photophysical properties</b> G. Alberto <sup>1,2</sup> , I. Miletto <sup>*1,3</sup> , G. Caputo <sup>1,2</sup> , G. Viscardi <sup>1,2</sup> , G. Martra <sup>1,2</sup> , <sup>1</sup> Università degli Studi di Torino, Italy, <sup>2</sup> NIS Centre of Excellence, Italy, <sup>3</sup> Cyanine Technologies S.r.l., Italy
[B2.1.81]	R.	Mosca	<b>Influence of ambient humidity on the conductivity of CH<sub>3</sub>NH<sub>3</sub>SnCl<sub>3</sub> hybrid films</b> R. Mosca <sup>*1</sup> , P. Ferro <sup>1</sup> , T. Besagni <sup>1</sup> , D. Calestani <sup>1</sup> , F. Chiarella <sup>1,2</sup> , F. Licci <sup>1</sup> , <sup>1</sup> CNR-IMEM Institute-Parma, Italy, <sup>2</sup> CNR-INFN Coherentia-Napoli, Italy
[B2.1.82]	R.	Mosca	<b>Sensitization of metal oxide nanostructures by CH<sub>3</sub>NH<sub>3</sub>SnCl<sub>3</sub> hybrid perovskite</b> R. Mosca*, F. Licci, P. Ferro, T. Besagni, D. Calestani, A. Zappettini, et al, CNR-IMEM Institute, Italy
[B2.1.83]	K.M.	Begam	<b>Structural and morphological properties of niobium doped nanomaterial, Li<sub>2</sub>Ni<sub>1.95</sub>Nb<sub>0.05</sub>(MoO<sub>4</sub>)<sub>3</sub> for lithium batteries</b> K.M. Begam <sup>*1</sup> , M. Lalitha <sup>2</sup> , V. Bhanumathy <sup>2</sup> , N. Yahya <sup>1</sup> , <sup>1</sup> Universiti Teknologi PETRONAS, Malaysia, <sup>2</sup> Seethalakshmi Ramaswami College, India
[B2.1.84]	M.A.	Neouze	<b>Linking nanoparticles with ionic connectors</b> M. Litschauer <sup>1</sup> , M. Puchberger <sup>1</sup> , H. Peterlik <sup>2</sup> , M.A. Neouze <sup>*1</sup> , <sup>1</sup> Vienna University of Technology, Austria, <sup>2</sup> University of Vienna, Austria
[B2.1.85]	Q.H.	Nguyen	<b>Hybrid excitons in a semiconductor quantum dot coated by an organic shell under the effect of external fields</b> Q.H. Nguyen, Marshall University, USA
[B2.1.86]	H.I.S.	Nogueira	<b>Lanthanopolyoxometalate based nanostructured materials</b> H.I.S. Nogueira, University of Aveiro, Portugal
[B2.1.87]	C.	O'Dwyer	<b>Fully transparent indium tin oxide nanowire contacts for Si-based LEDs</b> C. O'Dwyer <sup>*1</sup> , M. Szachowicz <sup>2</sup> , G. Visimberga <sup>2</sup> , V. Lavayen <sup>3</sup> , S.B. Newcomb <sup>4</sup> , C.M. Sotomayor Torres <sup>5,6</sup> , <sup>1</sup> University of Limerick, Ireland, <sup>2</sup> University College Cork, Ireland, <sup>3</sup> Universidad Técnica Federico Santa María, Chile, <sup>4</sup> Glebe Scientific Limited, Ireland, <sup>5</sup> ICREA, Spain, <sup>6</sup> Universitat Autònoma de Barcelona, Spain
[B2.1.88]	K.	Okada	<b>Magnetite nanocrystals / indium tin oxide nanocomposite thin films prepared by pulsed-laser deposition</b> K. Okada <sup>*1</sup> , S. Kohiki <sup>1</sup> , Y. Bando <sup>2</sup> , H. Tanaka <sup>3</sup> , T. Kawai <sup>3</sup> , H. Deguchi <sup>1</sup> , et al, <sup>1</sup> Kyushu Institute of Technology, Japan, <sup>2</sup> National Institute for Materials Science, Japan, <sup>3</sup> Osaka University, Japan
[B2.1.89]	J.	Onoe	<b>Photo-current characteristics of zinc-octaethylporphyrin/C60 layered-structure photovoltaic cells</b> J. Onoe <sup>*1</sup> , S. Ryuzaki <sup>1</sup> , T. Kai <sup>1</sup> , T. Nishii <sup>2</sup> , <sup>1</sup> Tokyo Institute of Technology, Japan, <sup>2</sup> Electrical Power Development Co., Ltd. (J-Power), Japan
[B2.1.90]	J.	Onoe	<b>One-dimensional metallic C60 polymer with positive and negative gauss curvatures</b> J. Onoe <sup>*1</sup> , T. Ito <sup>2</sup> , S. Kimura <sup>2</sup> , Y. Toda <sup>3</sup> , K. Ohno <sup>4</sup> , T.A. Beu <sup>5</sup> , <sup>1</sup> Tokyo Institute of Technology, Japan, <sup>2</sup> Institute for Molecular Science, Japan, <sup>3</sup> Hokkaido University, Japan, <sup>4</sup> Yokohama National University, Japan, <sup>5</sup> University of "Babes-Bolyai", Romania

[B2.1.91]	H.	Park	<b>Multifunctional nanoparticles for photothermally controlled drug delivery and MRI enhancement</b> H. Park*, K.H. Yoo, J. Yang, S.H. Haam, D. Kim, J. Suh, et al, <i>Yonsei University, Korea</i>
[B2.1.92]	S.	Parola	<b>Hybrid nanoplatfoms for therapy and imaging</b> T. Gallavardin <sup>1,2</sup> , F. Lerouge <sup>1</sup> , S. Parola* <sup>1</sup> , O. Maury <sup>2</sup> , C. Andraud <sup>2</sup> , Y. Leverrier <sup>3</sup> , et al, <sup>1</sup> <i>University Lyon 1, France,</i> <sup>2</sup> <i>ENS Lyon, France,</i> <sup>3</sup> <i>Inserm U851, France</i>
[B2.1.93]	D.A.	Pawlak	<b>Self-organized eutectic materials for metamaterials</b> D.A. Pawlak* <sup>1</sup> , K. Kolodziejak <sup>1</sup> , S. Turczynski <sup>1</sup> , M. Gajc <sup>1</sup> , A. Klos <sup>1</sup> , K. Rozniatowski <sup>2</sup> , <sup>1</sup> <i>Institute of Electronic Materials Technology, Poland,</i> <sup>2</sup> <i>Warsaw University of Technology, Poland</i>
[B2.1.94]	M.	Pelosi	<b>Silicon and germanium nanoparticles for energy storage and conversion</b> D. Zitoun, M. Pelosi*, E. Peyre, et al, <i>Institut Charles Gerhardt, France</i>
[B2.1.95]	C.	Pereira	<b>Grafting of oxovanadium(IV) complex onto functionalized silica nanoparticles</b> J. Silva, C. Pereira*, C. Freire, <i>REQUIMTE, Portugal</i>
[B2.1.96]	C.M.	Petrea	<b>Characterization of epoxy composites based on amine modified carbon nanotubes</b> C.M. Petrea*, C. Andronescu, A.M. Pandele, S.A. Garea, H. Iovu, <i>University Politehnica of Bucharest, Romania</i>
[B2.1.97]	P.D.	Petrov	<b>UV-assisted grafting of polymers onto carbon nanotubes</b> P.D. Petrov*, G.L. Georgiev, Ch.B. Tsvetanov, <i>Bulgarian Academy of Sciences, Bulgaria</i>
[B2.1.98]	M.	Pinault	<b>Elaboration and properties of 1D composites composed of long and aligned carbon nanotubes</b> M. Pinault* <sup>1</sup> , M. Helezen <sup>1</sup> , A. Dusza <sup>1</sup> , S. Patel <sup>1</sup> , G. Desarmot <sup>2</sup> , M. Mayne-L'Hermite <sup>1</sup> , et al, <sup>1</sup> <i>Laboratoire Francis Perrin, France,</i> <sup>2</sup> <i>ONERA,DMSC, France</i>
[B2.1.99]	N.	Pinna	<b>Non-aqueous sol-gel routes to diluted magnetic oxide nanocrystals</b> G. Clavel <sup>1,2</sup> , A. Pucci <sup>1</sup> , M.G. Willinger <sup>1</sup> , D. Zitoun <sup>2</sup> , N. Pinna* <sup>1</sup> , <sup>1</sup> <i>University of Aveiro, Portugal,</i> <sup>2</sup> <i>University of Montpellier, France</i>
[B2.1.100]	S.	Pispas	<b>Hybrid nanostructures from block copolymers and metal nanoparticles</b> A. Meristoudi, C. Mantzaridis, S. Pispas*, <i>National Hellenic Research Foundation, Greece</i>
[B2.1.101]	M.	Post	<b>Porous TiO<sub>2</sub> nano-composites with gold for optical gas sensing applications</b> M. Post* <sup>1</sup> , A. Martucci <sup>2</sup> , E. Della Gaspera <sup>2</sup> , <sup>1</sup> <i>National Research Council of Canada, Canada,</i> <sup>2</sup> <i>University of Padova, Italy</i>
[B2.1.102]	G.	Pourroy	<b>Thin films of functionalized nanoparticles for magnetic and magneto-transport applications</b> M. Pauly, B.P. Pichon, S. Bégin-Colin, G. Pourroy*, et al, <i>IPCMS, France</i>
[B2.1.103]	G.	Pourroy	<b>Effect of the inorganic-organic interactions on the magnetic structure in functionalized magnetite-based nanoparticles</b> T.J. Daou <sup>1</sup> , J.M. Greneche <sup>2</sup> , G. Pourroy* <sup>1</sup> , S. Buathong <sup>1</sup> , B. Donnio <sup>1</sup> , S. Begin-Colin <sup>1</sup> , et al, <sup>1</sup> <i>Institut de Physique et Chimie des Matériaux, France,</i> <sup>2</sup> <i>Laboratoire de Physique de L'Etat Condensé, France</i>
[B2.1.104]	S.	Preda	<b>Hydrothermally prepared titanate nanotubes, their catalytic properties and the effect of bio-functionalization</b> S. Preda* <sup>1</sup> , V.S. Teodorescu <sup>2</sup> , C. Anastasescu <sup>1</sup> , M. Zaharescu <sup>1</sup> , <sup>1</sup> <i>Institute of Physical Chemistry "Ilie Murgulesc" of the Romanian Academy, Romania,</i> <sup>2</sup> <i>National Institute for R&amp;D on Materials Physics, Romania</i>
[B2.1.105]	S.	Ravaine	<b>Towards colloidal molecules through a chemical synthetic route</b> A. Perro <sup>1,2</sup> , E. Duguet <sup>2</sup> , O. Lambert <sup>3</sup> , J.C. Taveau <sup>3</sup> , E. Bourgeat Lami <sup>4</sup> , S. Ravaine* <sup>1</sup> , <sup>1</sup> <i>Centre de Recherche Paul Pascal, France,</i> <sup>2</sup> <i>Institut de Chimie de la Matière Condensée, France,</i> <sup>3</sup> <i>Institut de Chimie et de Biologie, France,</i> <sup>4</sup> <i>Laboratoire de Chimie et Procédés de Polymérisation, France</i>
[B2.1.106]	F.	Razi	<b>Enhancement in growth of multi-walled carbon nanotubes on the surface of porous silicon coated by Pd catalyst</b> F. Razi*, S.Z. Mortazavi, N.S. Taghavi, A. Reyhani, A. Iraj Zad, <i>Sharif University of Technology, Iran</i>
[B2.1.107]	M.	Richard-Plouet	<b>Nanostructured anatase and brookite films by chemical solution deposition at low temperature</b> C.E. Liu, M. Richard-Plouet*, M. Mancini-Le Granvalet, L. Brohan, H. Terrisse, <i>Institut des Matériaux Jean Rouxel, France</i>
[B2.1.108]	M.	Richard-Plouet	<b>Nano-TiO<sub>2</sub>(B) obtained by a soft chemistry process</b> T. Beuvier, M. Richard-Plouet*, M. Mancini-Le Granvalet, L. Brohan, <i>Institut des Matériaux Jean Rouxel, France</i>
[B2.1.109]	J.	Riegler	<b>Designed molecular imprinted nanoparticles – multifunctional nano-hybrid materials</b> J. Riegler* <sup>1,2</sup> , T. Schreiber <sup>2</sup> , K. Niedergall <sup>2</sup> , T. Hirth <sup>1,2</sup> , G.E.M. Tovar <sup>1,2</sup> , <sup>1</sup> <i>Fraunhofer Institute for Interfacial Engineering and Biotechnology, Germany,</i> <sup>2</sup> <i>University of Stuttgart, Germany</i>

[B2.1.110]	A.	Roig	<b>Core(<math>\gamma</math>-Fe<sub>2</sub>O<sub>3</sub>)-shell(SiO<sub>2</sub>) nanospheres by sol-gel supercritical fluid assisted route</b> E. Taboada <sup>1</sup> , A. Roig <sup>*1</sup> , E. Rodriguez <sup>2</sup> , M. Paradines <sup>1</sup> , L. Roiban <sup>3</sup> , O. Ersen <sup>3</sup> , et al, <sup>1</sup> Institut de Ciència de Materials de Barcelona, Spain, <sup>2</sup> Center for Molecular Imaging Research, MGH-Harvard Medical Hospital, USA, <sup>3</sup> Institut de Physique et Chimie des Matériaux de Strasbourg, France
[B2.1.111]	C.J.	Roy	<b>Multifunctional tubular nano-objects for controlled and targeted gene delivery applications</b> C.J. Roy <sup>*1</sup> , B.G. De Geest <sup>2</sup> , S. De Smedt <sup>2</sup> , A.M. Jonas <sup>1</sup> , S. Demoustier <sup>1</sup> , <sup>1</sup> Université Catholique de Louvain, Belgium, <sup>2</sup> Universiteit Gent, Belgium
[B2.1.112]	L.	Rozes	<b>Titanium oxo-clusters: An alternative to nanoparticles to build well defined hybrid materials</b> T. Frot, F. Perineau, S. Pensec, L. Bouteiller, L. Rozes*, C. Sanchez, Université Pierre et Marie Curie, France
[B2.1.113]	R.	Rutkaite	<b>Antibacterial starch based nanomaterials</b> R. Rutkaite*, J. Bendoraitiene, R. Klimaviciute, A. Zemaitaitis, Kaunas University of Technology, Lithuania
[B2.1.114]	M.	Sacilotti	<b>Nanomaterial's growth and some of its utilisation</b> M. Sacilotti*, P. Cheyssac, G. Patriarche, M.E. Gomes, D. Chaumont, A.M. Lazar, et al, Université de Bourgogne, France
[B2.1.115]	E.	Sano	<b>CNT nano-internet: Carbon nanotube/cellulose composite paper for electromagnetic interference shielding</b> E. Sano <sup>*1</sup> , K. Akiyama <sup>2</sup> , M. Imai <sup>2</sup> , <sup>1</sup> Hokkaido University, Japan, <sup>2</sup> Tokushu Paper Co. Ltd., Japan
[B2.1.116]	H.	Sardon	<b>Synthesis of covalently bonded polyurethane/silica nanoparticles in aqueous media</b> H. Sardon <sup>*1</sup> , E. Bourgeat-Lami <sup>2</sup> , M. Lansalot <sup>2</sup> , L. Irusta <sup>1</sup> , M.J. Fernandez-Berridi <sup>1</sup> , <sup>1</sup> University of Basque Country (UPV/EHU)-Polymat, Spain, <sup>2</sup> Université de Lyon, France
[B2.1.117]	F.	Aldeek	<b>Ligand influence on the growth and quality of CdSe and CdTe nanocrystals prepared in the aqueous phase</b> F. Aldeek <sup>*1</sup> , L. Balan <sup>2</sup> , J. Lambert <sup>1</sup> , R. Schneider <sup>1</sup> , <sup>1</sup> Nancy University, France, <sup>2</sup> Université de Haute Alsace, France
[B2.1.118]	R.	Schneider	<b>Stable aqueous PAMAM-dendrons capped ZnO quantum dots and their use in bacterial cells imaging</b> R.O. Moussodia <sup>1</sup> , L. Balan <sup>2</sup> , C. Merlin <sup>1</sup> , C. Mustin <sup>1</sup> , R. Schneider <sup>*1</sup> , <sup>1</sup> Nancy-University, France, <sup>2</sup> Université de Haute Alsace, France
[B2.1.119]	---	---	<b>Paper Withdrawn</b>
[B2.1.120]	S.	Seki	<b>Properties of visible-light-driven photocatalyst structured ZnGa<sub>2</sub>O<sub>4</sub> on ZnO fiber</b> S. Seki <sup>*1</sup> , T. Sekizawa <sup>1</sup> , T. Sato <sup>2</sup> , Y. Sawada <sup>3</sup> , T. Shishido <sup>4</sup> , T. Komeda <sup>4</sup> , et al, <sup>1</sup> Sendai National College of Technology, Japan, <sup>2</sup> Miyagi National College of Technology, Japan, <sup>3</sup> Tokyo Polytechnic University, Japan, <sup>4</sup> Tohoku University, Japan
[B2.1.121]	A.P.	Soldatov	<b>Carbon nanotubes from graphenes in the pores of inorganic membranes and their hydrogen adsorption properties</b> A.P. Soldatov*, O.P. Parenago, Russian Academy of Science, Russia
[B2.1.122]	J.L.C.	Sousa	<b>Polyoxometalate-supported nanostructured materials as oxidative heterogeneous catalysts</b> J.L.C. Sousa*, I.C.M.S. Santos, M.M.Q. Simões, J.A.S. Cavaleiro, H.I.S. Nogueira, A.M.V. Cavaleiro, University of Aveiro, Portugal
[B2.1.123]	T.	Suteewong	<b>Synthesis of mesoporous silica nanoparticles incorporating magnetic nanoparticles</b> T. Suteewong <sup>*1</sup> , J. Lee <sup>1,2</sup> , A. Burns <sup>1</sup> , E. Herz <sup>1</sup> , U. Wiesner <sup>1</sup> , <sup>1</sup> Cornell University, USA, <sup>2</sup> Pohang University of Science and Technology, Korea
[B2.1.124]	P.	Taboada	<b>Block copolymer-mediated synthesis of size-tunable gold nanoplates</b> P. Taboada*, S. Goy, E. Castro, J. Juárez, A. Cambón, V. Mosquera, Universidad de Santiago de Compostela, Spain
[B2.1.125]	T.	Teranishi	<b>Unique optical and electronic properties of macrocyclic <math>\pi</math>-conjugated ligand-protected gold nanoparticles</b> T. Teranishi, University of Tsukuba, Japan
[B2.1.126]	I.S.	Tereshina	<b>The effect of structural state on the magnetic properties of R-Fe-B alloys</b> I.S. Tereshina*, G.S. Burkhanov, O.D. Chistyakov, Baikov Institute of Metallurgy and Material Science RAS, Russia
[B2.1.127]	R.K.	Tiwari	<b>A novel synthesis of magnetic SiC nanowires via precursor route</b> R. Mishra, R.K. Tiwari*, A.K. Saxena, DMSRDE, India
[B2.1.128]	---	---	<b>Paper Withdrawn</b>
[B2.1.129]	G.	Ungar	<b>3-D ordered gold strings by coating nanoparticles with mesogens</b> X.B. Zeng <sup>1</sup> , L. Cseh <sup>2</sup> , F. Liu <sup>1</sup> , A.G. Fowler <sup>1</sup> , G.H. Mehl <sup>2</sup> , G. Ungar <sup>*1</sup> , <sup>1</sup> University of Sheffield, UK, <sup>2</sup> University of Hull, UK

[B2.1.130]	F.Kh.	Urakaev	<b>Preparation of carbon-copper-diamond nanocomposite materials using abrasive wear technique</b> F.Kh. Urakaev*, I.V. Savchenko, V.S. Shevchenko, S.V. Stankus, N.F. Uvarov, <i>RAS, Russia</i>
[B2.1.131]	M.S.	Vasilyeva	<b>Nanostructured objects in oxide coating: Formation and research of surface</b> N.B. Kondrikov <sup>1</sup> , M.S. Vasilyeva* <sup>1</sup> , E.V. Shchitovskaya <sup>1</sup> , V.S. Rudnev <sup>1</sup> , V.G. Kuravy <sup>2</sup> , <sup>1</sup> <i>Far Eastern National University, Russia</i> , <sup>2</sup> <i>Far Eastern Division of RAS, Russia</i>
[B2.1.132]	---	---	<b>Paper Withdrawn</b>
[B2.1.133]	S.	Iannotta	<b>Hybrid nanostructures synthesized by supersonic molecular and cluster beams: The perspective of sensing devices exploiting their novel functional properties</b> S. Iannotta* <sup>1,2</sup> , N. Coppede <sup>1</sup> , M. Nardi <sup>1</sup> , T. Toccoli <sup>1</sup> , R. Verucchi <sup>1</sup> , <sup>1</sup> <i>IFN-CNR, Italy</i> , <sup>2</sup> <i>IMEM-CNR, Italy</i>
[B2.1.134]	C.	Warakulwit	<b>Simple route to synthesize gold decorated carbon nanotubes using electro- or electroless deposition</b> C. Warakulwit* <sup>1</sup> , M.H. Delville <sup>2</sup> , Z. Li <sup>3</sup> , J. Limtrakul <sup>1</sup> , A. Kuhn <sup>4</sup> , <sup>1</sup> <i>Kasetsart University, Thailand</i> , <sup>2</sup> <i>ICMCB, France</i> , <sup>3</sup> <i>Chinese Academy of Sciences, China</i> , <sup>4</sup> <i>Université Bordeaux 1, France</i>
[B2.1.135]	Z.	Wenyong	<b>Self-ordering of FePt nanostructure enhanced by Cr and Cu additives</b> Z. Wenyong*, S. Hiyashi, T. Fumiyoshi, A. Hiyoyuki, Y. Xiuzhen, M. Yoshio, et al, <i>Nanotechnology Research Institute, Japan</i>
[B2.1.136]	H.	Wondraczek	<b>Novel polysaccharide-based nanoparticles</b> T. Heinze, H. Wondraczek*, S. Hornig, <i>Friedrich Schiller University Jena, Germany</i>
[B2.1.137]	T.F.	Wu	<b>Preparation and characterization of carbon-modified TiO<sub>2</sub> photocatalyst by microwave-assisted hydrothermal method</b> T.F. Wu*, R.A. Doong, <i>National Tsing Hua University, Taiwan</i>
[B2.1.138]	X.	Xiang	<b>Growth of multi-walled carbon nanotubes over a novel layered double hydroxide/carbon hybrid composite</b> X. Xiang*, L. Bai, F. Li, <i>Beijing University of Chemical Technology, China</i>
[B2.1.139]	---	---	<b>Paper Withdrawn</b>
[B2.1.140]	H.	Yan	<b>Colloidal dispersion of SrTiO<sub>3</sub> nanoparticles with high dielectric constant</b> H. Yan*, T. Jo, H. Okuzaki, <i>University of Yamanashi, Japan</i>
[B2.1.141]	H.Y.	Yue	<b>Fabrication and gas sensitivity of TiO<sub>2</sub> nanotubes for toluene gas</b> H.Y. Yue* <sup>1</sup> , J.S. Huh <sup>2</sup> , W.D. Fei <sup>1</sup> , S.L. Zhang <sup>2</sup> , S.J. Oh <sup>2</sup> , <sup>1</sup> <i>Harbin Institute of Technology, China</i> , <sup>2</sup> <i>Kyungpook National University, Korea</i>
[B2.1.142]	Y.	Zhang	<b>Copper clusters formed on a thiophene mediated Si(111)-(7×7) surface by molecular anchor linkage</b> Y. Zhang*, G.Q. Xu, <i>National University of Singapore, Singapore</i>
[B2.1.143]	S.	Hu	<b>Carbon nanotubes composite film obtained through well-controlled electropolymerization and its application in detecting nitrite</b> D. Zheng <sup>1,2</sup> , C. Hu <sup>1</sup> , Y. Peng <sup>1</sup> , S. Hu* <sup>1,2</sup> , <sup>1</sup> <i>Wuhan University, China</i> , <sup>2</sup> <i>Chinese Academy of Sciences, China</i>
<b>Symposium C – Foams</b>			
[C2.1.01]	P.	Dagur	<b>Porous silicones using water/silicone emulsions</b> P. Dagur* <sup>1,2</sup> , R. Verplancke <sup>1,2</sup> , J. Missinne <sup>1,2</sup> , F. Axisa <sup>1,2</sup> , J. Vanfleteren <sup>1,2</sup> , <sup>1</sup> <i>Ghent University, Belgium</i> , <sup>2</sup> <i>IMEC, Belgium</i>
[C2.1.02]	M.	Dentini	<b>Synthesis and characterization of novel highly porous biomaterials based on alginate</b> E. Barigelli, A. Barbetta, M. Dentini*, <i>Sapienza Università di Roma, Italy</i>
[C2.1.03]	M.	Dentini	<b>Two different routes for the production of highly porous scaffolds for tissue engineering applications</b> B. Di Rosario <sup>1</sup> , A. Barbetta <sup>1</sup> , M. Massimi <sup>2</sup> , L. Conti Devirgiliis <sup>2</sup> , M. Dentini* <sup>1</sup> , <sup>1</sup> <i>Sapienza Università di Roma, Italy</i> , <sup>2</sup> <i>Università de L'Aquila, Italy</i>
[C2.1.04]	O.K.	Kamynina	<b>SHS of porous Ti-based functional materials</b> O.K. Kamynina <sup>1</sup> , A.E. Sytschev <sup>1</sup> , S.G. Vadchenko <sup>1</sup> , I.G. Plashchina <sup>2</sup> , I.I. Selezneva <sup>3</sup> , A.S. Grigor'yan <sup>4</sup> , <sup>1</sup> <i>Institute of Structural Macrokinetics and Material Science RAS, Russia</i> , <sup>2</sup> <i>Emanuel Institute of Biochemical Physics RAS, Russia</i> , <sup>3</sup> <i>Institute of Theoretical and Experimental Biophysics RAS, Russia</i> , <sup>4</sup> <i>CRIS and MFS of Federal Agency for High-Technology Medical Care, Russia</i>
[C2.1.05]	I.N.	Orbulov	<b>Effect of temperature and aspect ratio on the compression behaviour of aluminium based syntactic foams</b> I.N. Orbulov* <sup>1</sup> , Á. Németh <sup>1</sup> , J. Dobránszky <sup>2</sup> , <sup>1</sup> <i>Budapest University of Technology and Economics, Hungary</i> , <sup>2</sup> <i>Research Group for Metals Technology of the Hungarian Academy of Sciences, Hungary</i>
[C2.1.06]	C.S.	Peyratout	<b>Thermal properties of porous mineral foams synthesized through an emulsion process</b> C.S. Peyratout*, A. Beismann, A. Michot, C. Poulier, G. Visomblin, D.S. Smith, <i>Ecole Nationale Supérieure de céramique Industrielle, France</i>
[C2.1.07]	E.	Prud'homme	<b>Consolidated geomaterial foams synthesized by clays geopolymerisation in alkaline solution</b> E. Prud'homme*, P. Michaud, S. Rossignol, <i>GEMH-ENSCI, France</i>

[C2.1.08]	S.J.	Salam	<b>Determination of dynamic coefficients for structural expanded-polypropylene (EPP) and poly urethane rigid (Pu) foams under low- velocity impact</b> S.J. Salami*, S.A. Sadough, M. Sadighi, <i>Amirkabir University of Technology, Iran</i>
[C2.1.09]	J.C.H.	Wong	<b>Piezoelectric polymeric electrets from PVDF particle-stabilized foams</b> J.C.H. Wong*, S. Busato, E. Tervoort, L.J. Gauckler, P. Ermanni, <i>ETH-Zurich, Switzerland</i>
<b>Symposium C – Hierarchically Structured Materials</b>			
[C2.2.01]	S.	Altmaier	<b>Hierarchically porous monolithic silica materials: Sol-gel synthesis and application in chromatography</b> S. Altmaier*, K. Cabrera, <i>Merck KgaA, Germany</i>
[C2.2.02]	A.	Bonilla	<b>Partial detemplation-desilication: A novel approach to hierarchical zeolites with tunable micro and mesoporosity</b> S. Abelló <sup>1</sup> , A. Bonilla* <sup>1</sup> , J.C. Groen <sup>2</sup> , J. Pérez-Ramírez <sup>1,3</sup> , <sup>1</sup> <i>Institute of Chemical Research of Catalonia, Spain</i> , <sup>2</sup> <i>Delft Solids Solutions, The Netherlands</i> , <sup>3</sup> <i>Catalan Institution for Research and Advanced Studies, Spain</i>
[C2.2.03]	N.	Brun	<b>Macrocellular silica Si(HIPE) foams templating micro-macroporous partially graphitized carbonaceous monoliths</b> N. Brun* <sup>1,2</sup> , G. Pécastaing <sup>3</sup> , A. Derré <sup>1</sup> , A. Soum <sup>3</sup> , C. Sanchez <sup>4</sup> , R. Backov <sup>1</sup> , et al, <sup>1</sup> <i>Centre de Recherche Paul Pascal, France</i> , <sup>2</sup> <i>Institut des Sciences Moléculaires, France</i> , <sup>3</sup> <i>Laboratoire de Chimie des Polymères Organiques, France</i> , <sup>4</sup> <i>Laboratoire de Chimie de la Matière Condensée de Paris, France</i>
[C2.2.04]	V.	Coulic	<b>The use of chitosan in oesophageal defect replacement (first experimental results)</b> V. Coulic* <sup>1</sup> , V. Maquet <sup>2</sup> , P. Delrée <sup>3</sup> , C. Deprez <sup>1</sup> , E. Dekoster <sup>1</sup> , <sup>1</sup> <i>CHU Brugmann, ULB, Belgium</i> , <sup>2</sup> <i>Kitozyme, Belgium</i> , <sup>3</sup> <i>IRSPG, Belgium</i>
[C2.2.05]	F.	de Clippel	<b>Molecular sieving properties in silica-carbon composites</b> F. de Clippel* <sup>1</sup> , A. Harkiolakis <sup>1</sup> , P.A. Jacobs <sup>1</sup> , J. Denayer <sup>2</sup> , B. Sels <sup>1</sup> , <sup>1</sup> <i>KULeuven, Belgium</i> , <sup>2</sup> <i>VU Brussel, Belgium</i>
[C2.2.06]	J.F.	Dechezelles	<b>Elaboration of colloidal photonic crystals with a well defined architecture</b> J.F. Dechezelles* <sup>1,2</sup> , R. Vallee <sup>1</sup> , E. Cloutet <sup>2</sup> , H. Cramail <sup>2</sup> , S. Ravaine <sup>1</sup> , <sup>1</sup> <i>Centre de Recherche Paul Pascal, France</i> , <sup>2</sup> <i>Laboratoire de Chimie des Polymères Organiques LCPO, France</i>
[C2.2.07]	F.	del Monte	<b>A biocompatible bottom-up route for preparation of hierarchical hybrid and bio-hybrid materials</b> F. del Monte*, M.L. Ferrer, M.C. Gutierrez, <i>CSIC, Spain</i>
[C2.2.08]	J.	Drews	<b>Self-activated, self-limiting reactions on Si surfaces</b> P. Morgen, J. Hvam, J. Drews*, A. Bahari, J.B. Pedersen, <i>University of Southern Denmark, Denmark</i>
[C2.2.09]	S.	Fleutot	<b>A new approach (XPS / Quantum calculations) to investigate chemical bonds into hybrid LDHs/benzene derivatives materials</b> J.C. Dupin <sup>1</sup> , S. Fleutot* <sup>1</sup> , I. Baraille <sup>1</sup> , C. Forano <sup>2</sup> , H. Martinez <sup>1</sup> , D. Gonbeau <sup>1</sup> , <sup>1</sup> <i>University of Pau, France</i> , <sup>2</sup> <i>University Blaise Pascal, France</i>
[C2.2.10]	C.	Forano	<b>Colloidal crystals as template for porous layered double hydroxides</b> V. Prevot <sup>1</sup> , C. Forano* <sup>1</sup> , F. Leroux <sup>1</sup> , C. Mousty <sup>1</sup> , E. Scavetta <sup>2</sup> , B. Ballarín <sup>2</sup> , et al, <sup>1</sup> <i>Université Blaise Pascal, France</i> , <sup>2</sup> <i>Università degli Studi di Bologna, Italy</i>
[C2.2.11]	S.J.	Hwang	<b>Lattice engineering route to mesoporous transition metal oxide nanohybrids with visible light photocatalytic activity</b> S.J. Hwang, <i>Ewha Womans University, Korea</i>
[C2.2.12]	M.	Lomoschitz	<b>Highly porous mixed oxide sol-gel films with double organic functionality and hierarchically ordered pore sizes</b> M. Lomoschitz*, U. Schubert, <i>University of Technology Vienna, Austria</i>
[C2.2.13]	J.M.	Nedelec	<b>Multi-scale characterization of porosity in hybrid materials using a calorimetric approach</b> A. Hardy-Dessources <sup>1</sup> , H. Elimelech <sup>2</sup> , S. Hartmann <sup>3</sup> , N. Hüsing <sup>3</sup> , D. Avnir <sup>2</sup> , J.M. Nedelec* <sup>1</sup> , et al, <sup>1</sup> <i>Université Blaise Pascal, France</i> , <sup>2</sup> <i>The Hebrew University of Jerusalem, Israel</i> , <sup>3</sup> <i>University of Ulm, Germany</i>
[C2.2.14]	---	---	<b>Paper Withdrawn</b>
[C2.2.15]	P.	Rabu	<b>Functional multilayers alternating molecular metal complexes and transition metal hydroxide spin layers</b> E. Delahaye <sup>1</sup> , S. Eyele-Mezui <sup>1</sup> , M. Diop <sup>1</sup> , J.F. Bardeau <sup>2</sup> , P. Rabu* <sup>1</sup> , G. Rogez <sup>1</sup> , <sup>1</sup> <i>Université de Strasbourg, France</i> , <sup>2</sup> <i>Université du Maine, France</i>
[C2.2.16]	P.	Rodriguez	<b>Coating structured objects with catalysts</b> P. Rodriguez*, V. Meille, S. Pallier, <i>CNRS – CPE Lyon, France</i>
[C2.2.17]	J.C.	Suarez	<b>Design of a hierarchically structured hybrid material with high specific energy absorption capability and damage tolerance</b> J.C. Suarez*, P. Pinilla, S. Miguel, F. Lopez, J.M. Ruiz, L.E. Garcia, <i>Universidad Politecnica de Madrid, Spain</i>

[C2.2.18]	N.	Tonanon	<b>The effect of ultrasonic irradiation on interconnected macroporous RF monolithic gel</b> A. Siyasukh, N. Tonanon*, T. Charinpanitkul, W. Tanthapanichakoon, <i>Chulalongkorn University, Thailand</i>
[C2.2.19]	J.	Vacik	<b>Thin film composites based on fullerenes and transitional metals</b> J. Vacik* <sup>1</sup> , V. Lavrentiev <sup>1</sup> , V. Vorlicek <sup>1</sup> , L. Juha <sup>1</sup> , L. Bacakova <sup>1</sup> , K. Narumi <sup>2</sup> , <sup>1</sup> ASCR, <i>Czech Republic</i> , <sup>2</sup> Japan Atomic Energy Agency, <i>Japan</i>
[C2.2.20]	P.	Vroman	<b>Development of multifunctional fibrous materials</b> F. Rault, P. Vroman*, M. Lewandowski, X. Deng, E. Devaux, <i>ENSAIT-GEMTEX, France</i>
[C2.2.21]	M.	Weinberger	<b>Temperature dependence of the gel formation of the glycolated ethane-bridged silane in the presence of pluronic P123</b> M. Weinberger* <sup>1,2</sup> , S. Puchegger <sup>1</sup> , N. Hüsing <sup>2</sup> , H. Peterlik <sup>1</sup> , <sup>1</sup> University of Vienna, <i>Austria</i> , <sup>2</sup> Ulm University, <i>Germany</i>
[C2.2.22]	S.B.	Xiang	<b>Novel silicon oxynitride loop-like structure grown over Si substrate via a thermal nitridation-oxidation reaction</b> S.B. Xiang* <sup>1,2</sup> , X. Xiang <sup>3</sup> , <sup>1</sup> Zhengzhou Institute of Light Industry, <i>China</i> , <sup>2</sup> Key Laboratory of Informationization and Electric Apparatus of Henan Province, <i>China</i> , <sup>3</sup> Beijing University of Chemical Technology, <i>China</i>

**POSTER SESSION 3**  
**Tuesday 17<sup>th</sup> March, 12:00 – 13:30**

Poster Number	Poster Presenter	Title, Authors & Affiliations	
<b>Symposium A – Green Materials</b>			
[A3.1.01]	N.	Brun	<b>New generation of hybrid multifunctional macro-mesocellular foams and associated catalytic properties</b> N. Brun* <sup>1,2</sup> , A. Babeau <sup>1</sup> , P. Hesemann <sup>3</sup> , C. Sanchez <sup>4</sup> , H. Deleuze <sup>2</sup> , R. Backov <sup>1</sup> , <sup>1</sup> Centre de Recherche Paul Pascal, <i>France</i> , <sup>2</sup> Institut des Sciences Moléculaires, <i>France</i> , <sup>3</sup> Institut Charles Gerhardt, <i>France</i> , <sup>4</sup> Laboratoire de Chimie de la Matière Condensée de Paris, <i>France</i>
[A3.1.02]	B.	Casal	<b>Solid base supports for fine chemical reactions activated by focalized Mw: A contribution to green chemistry</b> B. Casal* <sup>1,2</sup> , E. Perozo-Rondón <sup>2,3</sup> , M.A. Martín-Luengo <sup>2</sup> , R.M. Martín-Aranda <sup>3</sup> , <sup>1</sup> National Center for Metallurgical Research, <i>Spain</i> , <sup>2</sup> Materials Science Institute, <i>Spain</i> , <sup>3</sup> Facultad de Ciencias, <i>Spain</i>
[A3.1.03]	M.	Chalid	<b>Towards 'bio-based' polyester: Ring opening of gamma valerolactone with amine compounds at mild conditions</b> M. Chalid* <sup>1</sup> , A.A. Broekhuis <sup>2</sup> , H.J. Heeres <sup>2</sup> , <sup>1</sup> University of Indonesia, <i>Indonesia</i> , <sup>2</sup> University of Groningen, <i>The Netherlands</i>
[A3.1.04]	K.	Dean	<b>Hybrid biodegradable poly(lactic acid) (PLA) systems developed via alcoholysis, anhydride and free radical-based reactive extrusion processes</b> K. Dean* <sup>1</sup> , S. Petinakis <sup>1</sup> , S. Meure <sup>1</sup> , L. Yu <sup>1</sup> , J. Mardel <sup>2</sup> , S. Powys <sup>3</sup> , et al, <sup>1</sup> CSIRO Materials Science and Engineering, <i>Australia</i> , <sup>2</sup> CSIRO Molecular Health Technologies, <i>Australia</i> , <sup>3</sup> Monash University, <i>Australia</i>
[A3.1.05]	L.J.L.	Diaz	<b>Abaca fiber/unsaturated polyester composite: Investigating fiber-matrix interaction through wettability measurements</b> S.T.C. Hagad, T.K.G. Reyes, K.M.J. Rafols, L.J.L. Diaz*, <i>University of the Philippines, The Philippines</i>
[A3.1.06]	S.O.	Han	<b>The effects of surface properties of natural fibers irradiated by electron beam on the mechanical and thermal properties of green composites</b> S.O. Han*, H.Y. Choi, N.J. Chung, H.S. Kim, Y.J. You, <i>Korea Institute of Energy Research, Korea</i>
[A3.1.07]	O.K.	Kamynina	<b>SHS-produced porous materials for hybrid implants</b> O.K. Kamynina* <sup>1</sup> , A.E. Sytshev <sup>1</sup> , S.G. Vadchenko <sup>1</sup> , I.G. Plashchina <sup>1</sup> , I.I. Selezneva <sup>1</sup> , A.S. Grigor'yan <sup>2</sup> , et al, <sup>1</sup> Russian Academy of Sciences, <i>Russia</i> , <sup>2</sup> Central Research Institute of Stomatology and Maxillo-Facial Surgery of Federal Agency for High-Technology Medical Care, <i>Russia</i>
[A3.1.08]	H.	Kubota	<b>Effective feed method and screw segment type in extruding process of bamboo fiber reinforced polypropylene</b> H. Kubota*, T. Fujii, <i>Doshisha University, Japan</i>
[A3.1.09]	M.	Litschauer	<b>Confinement of 1-butyl-3-methylimidazolium nitrate in metallic silver</b> M. Litschauer*, M.A. Neouz, <i>Vienna University of Technology, Austria</i>
[A3.1.10]	S.	Mahalingam	<b>Electrohydrodynamic deposition of N-doped TiO<sub>2</sub> thin films</b> S. Mahalingam*, M.J. Edirisinghe, <i>University College London, UK</i>
[A3.1.11]	A.	Mahmoudzadeh	<b>Invitro evaluation of cytotoxicity and elemental release of three types of nickel – chromium base metal alloys(short term)</b> M.A. Saghiri <sup>1</sup> , S.K. Sadrnezhad <sup>2</sup> , N. Bahramian <sup>3</sup> , M. Lotfi <sup>4</sup> , A. Mahmoudzadeh* <sup>1</sup> , et al, <sup>1</sup> Islamic Azad University, <i>Iran</i> , <sup>2</sup> Sharif University, <i>Iran</i> , <sup>3</sup> Azad University, <i>Iran</i> , <sup>4</sup> Tabriz University of Medicine, <i>Iran</i>

[A3.1.12]	C.A.	Nicolae	<b>An investigation on the shape memory effects of biodegradable polymers</b> C.A. Nicolae*, R. Gabor, M. Grigorescu, <i>National Research &amp; Development Institute for Chemistry and Petrochemistry, Romania</i>
[A3.1.13]	C.A.	Nicolae	<b>An investigation on the shape memory effects of biodegradable polymers</b> C.A. Nicolae*, R. Gabor, M. Grigorescu, <i>National Research &amp; Development Institute for Chemistry and Petrochemistry, Romania</i>
[A3.1.14]	K.	Schwikal	<b>Adsorption of modified Xylan onto cellulose surfaces and their use as paper additive</b> K. Schwikal* <sup>1</sup> , T. Heinze <sup>1</sup> , B. Saake <sup>2</sup> , A. Kaya <sup>3</sup> , A.R. Esker <sup>3</sup> , <sup>1</sup> <i>Friedrich Schiller University Jena / TITK-Rudolstadt, Germany</i> , <sup>2</sup> <i>Johann Heinrich von Thünen Institute, Germany</i> , <sup>3</sup> <i>Virginia Polytechnic Institute and State University, USA</i>
[A3.1.15]	W.	Teoh	<b>Removal of cadmium (II) through biosorption by calcium alginate biopolymer</b> W. Teoh*, K. Kitayama, M. Kobayashi, K. Sato, <i>Nagaoka University of Technology, Japan</i>
[A3.1.16]	N.	Teramoto	<b>Preparation and properties of fish collagen peptide-based hydrogel prepared by photopolymerization in the presence of imogolite nanofibers</b> N. Teramoto*, K. Yamanaka, A. Sakiyama, A. Nakano, M. Shibata, <i>Chiba Institute of Technology, Japan</i>
[A3.1.17]	M.	Tognonvi	<b>Manufacturing of granular materials consolidated by recycled or commercial sodium silicate solution</b> S.S. Kouassi, M. Tognonvi*, J. Soro, S. Rossignol, J.P. Bonnet, <i>GEMH-ENSCI, France</i>
[A3.1.18]	A.	Venault	<b>Elaboration of a composite biomaterial made of chitosan and active carbon for medical applications</b> A. Venault* <sup>1</sup> , L. Vachoud <sup>2</sup> , C. Pochat <sup>1</sup> , D. Bouyer <sup>1</sup> , C. Faur <sup>1</sup> , <sup>1</sup> <i>Université Montpellier 2, France</i> , <sup>2</sup> <i>Université Montpellier 1, France</i>
[A3.1.19]	P.	Vengidesh	<b>SEM structural studies on hydrogel prepared by electron beam irradiation from sago waste</b> P. Vengidesh* <sup>1</sup> , S.J. Langford <sup>2</sup> , M. Ahmad <sup>3</sup> , K. Hashim <sup>4</sup> , <sup>1</sup> <i>Monash University, Malaysia</i> , <sup>2</sup> <i>Monash University, Australia</i> , <sup>3</sup> <i>University Putra Malaysia, Malaysia</i> , <sup>4</sup> <i>Malaysian Nuclear Agency, Malaysia</i>
<b>SYM A - Synthetic/Biopolymer Conjugates</b>			
[A3.2.01]	M.	Bertoldo	<b>Preparation of gelatine based hybrid materials by isocyanate coupling reaction</b> M. Bertoldo* <sup>1</sup> , F. Cognigni <sup>2</sup> , S. Bronco <sup>1</sup> , F. Ciardelli <sup>1,2</sup> , <sup>1</sup> <i>Polylab-CNR-INFN, Italy</i> , <sup>2</sup> <i>Università di Pisa, Italy</i>
[A3.2.02]	P.F.	Builders	<b>Preparation and characterization of mucinated cellulose microparticles for therapeutic and drug delivery purposes</b> P.F. Builders* <sup>1</sup> , M.U. Adikwu <sup>3</sup> , O.O. Kunle <sup>1</sup> , A.A. Attama <sup>3</sup> , L.C. Okpako <sup>2</sup> , <sup>1</sup> <i>National Institute for Pharmaceutical Research and Development, Nigeria</i> , <sup>2</sup> <i>University of Bradford, UK</i> , <sup>3</sup> <i>University of Nigeria, Nigeria</i>
[A3.2.03]	J.M.A.	Caiut	<b>Transparent bacterial cellulose / boehmite-silicate hybrids in drug delivery</b> J.M.A. Caiut* <sup>1,2</sup> , C.M. Caliri <sup>1</sup> , H.S. Barud <sup>1</sup> , Y. Messaddeq <sup>1</sup> , J. Dexpert-Ghys <sup>2</sup> , S.J.L. Ribeiro <sup>1</sup> , et al., <sup>1</sup> <i>São Paulo State University, Brazil</i> , <sup>2</sup> <i>Centre d'Elaboration de Matériaux et d'Etudes Structurales, France</i>
[A3.2.04]	Y.G.	Chen	<b>Hybrid molecules of HA and collagen II as the based material for cartilage repair</b> Y.J. Wang, F.F. Wang, Y.G. Chen*, et al., <i>National Yang Ming University, Taiwan</i>
[A3.2.05]	F.	Di Renzo	<b>Stabilisation of chitosan-zeolite composites by formation of a hybrid network</b> A. Djelad <sup>1,2</sup> , A. Morsli <sup>3</sup> , M. Robitzer <sup>1</sup> , A. Bengueddach <sup>2</sup> , F. Di Renzo* <sup>1</sup> , F. Quignard <sup>1</sup> , <sup>1</sup> <i>Institut Charles Gerhardt Montpellier, France</i> , <sup>2</sup> <i>Université Oran Es-Senia, Algeria</i> , <sup>3</sup> <i>Département de Chimie, Algeria</i>
[A3.2.06]	R.	Iwaura	<b>Sequence-selective quaternary self-assembly of a thymidylic acid-appended bolaamphiphile and DNA as templates</b> R. Iwaura* <sup>1,2</sup> , M. Ohnishi-Kameyama <sup>1</sup> , T. Shimizu <sup>3,4</sup> , <sup>1</sup> <i>National Agriculture and Food Research Organization, Japan</i> , <sup>2</sup> <i>Japan Science and Technology Agency, Japan</i> , <sup>3</sup> <i>National Institute of Advanced Industrial Science and Technology, Japan</i> , <sup>4</sup> <i>Japan Science and Technology Agency, Japan</i>
[A3.2.07]	V.V.	Jerca	<b>2-hydroxyethyl methacrylate microspheres by dispersion polymerization stabilized with novel vinylsilane-oxazoline macromonomers</b> V.V. Jerca* <sup>1</sup> , A.F. Nicolescu <sup>1</sup> , A.M. Albu <sup>1,2</sup> , D.M. Vuluga <sup>1</sup> , <sup>1</sup> <i>Romanian Academy, Romania</i> , <sup>2</sup> <i>University "POLITEHNICA" of Bucharest, Romania</i>
[A3.2.08]	M.	Karayianni	<b>Bio-organic protein/polyelectrolyte hybrids: hen egg white lysozyme complexes with sodium (sulfamate-carboxylate) isoprene polyelectrolytes</b> M. Karayianni*, G. Mountrichas, S. Pispas, G.D. Chryssikos, V. Gionis, <i>National Hellenic Research Foundation, Greece</i>
[A3.2.09]	Y.T.	Lim	<b>Multifunctional polymer nanoparticles for the labelling and tracking of immunotherapeutic cells</b> Y.T. Lim*, B.H. Chung, <i>KRIBB, Korea</i>
[A3.2.10]	M.J.	Lopez-Tendero	<b>Poly(acrylamide) hydrogels for swelling response in alkaline pH ranges</b> S. Sanjuan, M.J. Lopez-Tendero*, J.M. Lloris, M. Cruz-Yusta, C. Silvestre, P. Calero, <i>AIDICO, Spain</i>

[A3.2.11]	K.	Pietrucha	<b>Diffusive properties of hybrid collagen derivative hydrogels for medical applications</b> K. Pietrucha*, M. Banas, <i>Technical University of Lodz, Poland</i>
[A3.2.12]	A.	Polcari	<b>Electrical and optical properties of DNA plasmids</b> A. Polcari*, M. Consales, P. Romano, L. Sabatino, V. Colantuoni, A. Cutolo, et al, <i>Università del Sannio, Italy</i>
[A3.2.13]	M.	Popa	<b>Designing of new bioconjugates antiviral drugs</b> I. Carlescu <sup>1</sup> , H. Osborn <sup>2</sup> , C. Uglea <sup>3</sup> , D. Scutaru <sup>1</sup> , M. Popa* <sup>1</sup> , <sup>1</sup> "Gh. Asachi" Technical University of Iasi, Romania, <sup>2</sup> University of Reading, UK, <sup>3</sup> Gr. T. Popa" University of Medicine and Pharmacy of Iasi, Romania
[A3.2.14]	M.	Popa	<b>New organic-inorganic hybrids based on anionic polysaccharides</b> S. Vasiliu <sup>1</sup> , S. Racovita <sup>1</sup> , V. Neagu <sup>1</sup> , M. Popa* <sup>2</sup> , <sup>1</sup> "Petru Poni" Institute of Macromolecular Chemistry of Iasi, Romania, <sup>2</sup> "Gh. Asachi" Technical University of Iasi, Romania
[A3.2.15]	J.	Schaller	<b>Advanced polysaccharide derivatives for special applications</b> J. Schaller* <sup>1</sup> , F. Meister <sup>1</sup> , T. Heinze <sup>2,1</sup> , <sup>1</sup> TITK, Germany, <sup>2</sup> Friedrich Schiller University Jena, Germany
[A3.2.16]	M.	Schöbitz	<b>Novel cellulose derivatives – dendronization of cellulose</b> M. Schöbitz* <sup>1,2</sup> , M. Pohl <sup>1,2</sup> , T. Heinze <sup>1,2</sup> , F. Meister <sup>2</sup> , <sup>1</sup> Friedrich Schiller University of Jena, Germany, <sup>2</sup> Thuringian Institute of Textile and Plastics Research, Germany
[A3.2.17]	A.	Torres	<b>Core shell nanoparticles elaborated with biopolymer chitosan</b> A. Torres*, M. Garza, V. Gonzalez, U. Ortiz, <i>Universidad Autonoma de Nuevo Leon, Mexico</i>
[A3.2.18]	M.A.	Villa-García	<b>Adsorption of whey proteins by organo-kaolinite hybrid materials</b> M.A. Villa-García*, R. Silva, M. Rendueles, M. Díaz, et al, <i>University of Oviedo, Spain</i>
[A3.2.19]	V.	Krasovskiy	<b>Nanobiosensor - rabbit immunoglobulin G and single walled carbon nanotubes - for quantitative and qualitative determinations of specific protein</b> G.K. Chudinova <sup>1</sup> , I.A. Nagovitsyn <sup>1</sup> , A.L. Myasnikov <sup>1</sup> , A.G. Botikov <sup>2</sup> , V. Krasovskiy* <sup>1</sup> , <sup>1</sup> RAS, Russia, <sup>2</sup> RAMS, Russia
[A3.2.20]	M.V.	Voinova	<b>Photoelectromechanics of biomimetic azobenzene polymers</b> M.V. Voinova*, M. Jonson, <i>Göteborg University, Sweden</i>
[A3.2.21]	D.M.	Vuluga	<b>Thermal degradation of some cellulose-containing composites</b> D.M. Vuluga* <sup>1</sup> , N.D. Stanciu <sup>1</sup> , A.M. Albu <sup>1,2</sup> , Z. Vuluga <sup>3</sup> , D.M. Panaitescu <sup>3</sup> , <sup>1</sup> Romanian Academy, Romania, <sup>2</sup> University "POLITEHNICA" of Bucharest, Romania, <sup>3</sup> National Institute for R&D in Chemistry and Petrochemistry, Romania
[A3.2.22]	J.H.	Yun	<b>Preparation of alginate polyurethane hybrid materials and their physical, chemical and mechanical properties</b> J.H. Yun* <sup>1</sup> , T.S. Pathak <sup>1</sup> , K.P. Kim <sup>2</sup> , S.J. Lee <sup>3</sup> , K.J. Paeng <sup>1</sup> , <sup>1</sup> Yonsei University, Korea, <sup>2</sup> Korea Institute of Science and Technology, Korea, <sup>3</sup> Kyungsung University, Korea
[A3.2.23]	G.	Zampano	<b>"Click" functionalization and crosslinking of azide-modified chitosan and N-phthaloyl-chitosan</b> G. Zampano* <sup>1</sup> , M. Bertoldo <sup>2</sup> , F. Ciardelli <sup>1</sup> , <sup>1</sup> Dipartimento di Chimica e Chimica Industriale, Italy, <sup>2</sup> PolyLab-CNR, Italy
<b>Symposium A</b>			
[A3.3.01]	O.	Kufelt	<b>Polymer-based antibacterial coatings on differently modified glass surfaces</b> O. Kufelt*, P. Behrens, <i>Leibniz Universität Hannover, Germany</i>
[A3.3.02]	B.	Lebeau	<b>Preparation of colloidal suspensions of boehmite nanoparticles and ribbon-like boehmite fibers in the presence of polyacrylate</b> Y. Mathieu, V. Valtchev, B. Lebeau*, <i>ENSCMu, France</i>
<b>Symposium B - Polymer-Matrix Nanocomposites</b>			
[B3.1.01]	A.S.	Abdulkareem	<b>Development of proton exchange membrane (PEM) from synthetic rubber and carbon nanoballs</b> A.S. Abdulkareem*, C.A. Idibe, A.S. Afolabi, S.E. Iyuke, H.C.V.Z. Piennar, <i>University of the Witwatersrand, South Africa</i>
[B3.1.02]	C.	Acikgoz	<b>Fabrication of freestanding polyethersulfone membranes by use of nanosphere lithography and an organometallic etch mask</b> C. Acikgoz*, X.Y. Ling, I.Y. Pang, M.A. Hempenius, J. Huskens, G.J. Vancso, et al, <i>Mesa+, The Netherlands</i>
[B3.1.03]	M.	Ahmadifard	<b>Direct preparation of highly loaded nanosilica-epoxy nanocomposite with enhanced mechanical and thermal properties</b> M. Ahmadifard*, M. Keyanpour Rad, <i>Materials and Energy Research Centre, Iran</i>
[B3.1.04]	J.	Alvarado-Rivera	<b>Characterization of mechanical properties and viscoelastic behaviour by contact mechanics of SiO<sub>2</sub>-PMMA coatings</b> J. Alvarado-Rivera*, J. Muñoz-Saldaña, R. Ramírez-Bon, <i>Centro de Investigación y de Estudios Avanzados del IPN, Mexico</i>
[B3.1.05]	C.	Antonelli	<b>Interfacial phenomena in polymer-modified silica nanoparticle/epoxy hybrid nanocomposites</b> C. Antonelli*, V. San Miguel, B. Serrano, J.C. Cabanelas, J. Baselga, <i>Universidad Carlos III de Madrid, Spain</i>

[B3.1.06]	J.	Antonino de Souza	<b>Qualitative and quantitative analysis of nanocomposite dental materials by nanoindentation tests and microscopy modulation force</b> S. Souza Camargo Junior <sup>1</sup> , J. Antonino de Souza* <sup>1</sup> , R. Priori <sup>2</sup> , C. Muniz Almeida <sup>2</sup> , M. Dotto <sup>2</sup> , et al, <sup>1</sup> Federal University of Rio de Janeiro, Brazil, <sup>2</sup> Catholic Pontific University of Rio de Janeiro, Brazil
[B3.1.07]	V.	Antonucci	<b>Controlling the insulator-conductor transition in a fixed concentration MWNT epoxy composite</b> G. Faiella <sup>1,2</sup> , V. Antonucci* <sup>2</sup> , M. Giordano <sup>2</sup> , <sup>1</sup> Federico II University of Naples, Italy, <sup>2</sup> Institute for Composite and Biomedical Materials - CNR, Italy
[B3.1.08]	M.	Aparicio	<b>Hybrid organic-inorganic nanostructured membranes for high temperature proton exchange membranes fuel cells (PEMFC)</b> J. Mosa, A. Durán, M. Aparicio*, <i>Instituto de Cerámica y Vidrio, Spain</i>
[B3.1.09]	V.	Ball	<b>Post loading of nanoparticles and proteins in exponentially growing polyelectrolyte multilayer films</b> N. Ladhari <sup>1,2</sup> , S. Srivastava <sup>3</sup> , P. Podsiadlo <sup>3</sup> , N.A. Kotov <sup>3</sup> , V. Ball* <sup>1,2</sup> , <sup>1</sup> Institut National de la Santé et de la Recherche Médicale, France, <sup>2</sup> Université de Strasbourg, France, <sup>3</sup> University of Michigan, USA
[B3.1.10]	M.	Barbadillo Pérez de Ayala	<b>Design of new electrochemical biosensors based on sol-gel hybrid composite materials and gold nanoparticles</b> M. Barbadillo Pérez de Ayala* <sup>1</sup> , E. Casero <sup>1</sup> , M.D. Petit-Dominguez <sup>1</sup> , L. Vázquez <sup>2</sup> , F. Pariente <sup>1</sup> , E. Lorenzo <sup>1</sup> , <sup>1</sup> Universidad Autónoma de Madrid, Spain, <sup>2</sup> Instituto de Ciencia de Materiales de Madrid, Spain
[B3.1.11]	B.	Bardakçı	<b>The conductivity properties of NaY/polythiophene composites synthesized in the presence of surfactant (DBSA)</b> B. Bardakçı* <sup>1</sup> , S. Şen <sup>1</sup> , A. Uygun <sup>2</sup> , <sup>1</sup> Mehmet Akif Ersoy University, Turkey, <sup>2</sup> Süleyman Demirel University, Turkey
[B3.1.12]	A.	Bonnefond	<b>Preparation of waterborne adhesives containing exfoliated clay platelets</b> M. Micusik, A. Bonnefond*, M. Paulis, J.R. Leiza, <i>University of the Basque Country, Spain</i>
[B3.1.13]	A.	Boonmahitthisud	<b>Preparation and properties of natural rubber blended with polystyrene and silica encapsulated by polystyrene nanoparticles</b> S. Chuayjuljit, A. Boonmahitthisud*, <i>Chulalongkorn University, Thailand</i>
[B3.1.14]	H.	Borchert	<b>Composites of inorganic semiconductor nanocrystals and conjugated polymers for application in hybrid solar cells</b> H. Borchert*, F. Zutz, M.D. Heinemann, et al, <i>University of Oldenburg, Germany</i>
[B3.1.15]	T.	Boucheteau	<b>Composite proton-exchange membranes based on sulfonated or phosphonated polymer-grafted silica particles</b> F. Niepceyron <sup>1</sup> , T. Boucheteau* <sup>2</sup> , H. Galiano <sup>2</sup> , J. Bigarré <sup>2</sup> , <sup>1</sup> Laboratoire des Matériaux Macromoléculaires, France, <sup>2</sup> Commissariat à l'Energie Atomique, France
[B3.1.16]	R.E.S.	Bretas	<b>Biodegradable poly(<math>\epsilon</math>-caprolactone)/ montmorillonite nanocomposites: Electrospinning and characterization</b> M.C. Branciforti <sup>1</sup> , J.G. Pimenta <sup>1</sup> , L. Avérous <sup>2</sup> , R.E.S. Bretas* <sup>1</sup> , et al, <sup>1</sup> Federal University of Sao Carlos, Brazil, <sup>2</sup> University Louis Pasteur, France
[B3.1.17]	N.	Brun	<b>Design of new hybrid polyvinyl alcohol/poly-aniline/vanadium oxide 1D-highly sensitive alcohol sensors bearing enhanced toughness</b> N. Brun* <sup>1,2</sup> , J. Dexmer <sup>1</sup> , C. Leroy <sup>1</sup> , H. Sérrier <sup>1</sup> , N. Steunou <sup>3</sup> , R. Backov <sup>1</sup> , et al, <sup>1</sup> Centre de Recherche Paul Pascal, France, <sup>2</sup> Institut des Sciences Moléculaires, France, <sup>3</sup> Laboratoire de Chimie de la Matière Condensée de Paris, France
[B3.1.18]	T.Y.	Chen	<b>Synthesis of metallic nanonetwork on PVP-PEG-silica hybrid materials through nano-channel confined polyol reaction</b> T.Y. Chen* <sup>1,2</sup> , T.J.M. Luo <sup>2</sup> , Y. Choi <sup>2</sup> , T.L. Lin <sup>1</sup> , <sup>1</sup> National Tsing Hua University, Taiwan, <sup>2</sup> North Carolina State University, USA
[B3.1.19]	S.	Chuayjuljit	<b>Preparation of cassava starch/montmorillonite/PE wax/LDPE biodegradable nanocomposites</b> S. Chuayjuljit*, S. Hosililak, A. Athisart, K. Boonkerd, <i>Chulalongkorn University, Thailand</i>
[B3.1.20]	M.P.	Chun	<b>Microstructure and electrical properties of ceramic(BNT)-polymer(LCP) composite materials</b> M.P. Chun*, M.S. Park, J.H. Cho, J.H. Nam, B.I. Kim, <i>Korea Institute of Ceramic Engineering and Technology, Korea</i>
[B3.1.21]	E.	Coquelle	<b>Reinforcement of polystyrene microfibers by carbon nanotubes</b> E. Coquelle*, P. Brühwiler, <i>EMPA, Switzerland</i>
[B3.1.22]	S.	Curteanu	<b>Polydimethylsiloxane/silica composites containing rare earths: The use of soft computing methods for the fluorescence modelling</b> S. Curteanu* <sup>1</sup> , A. Nistor <sup>1</sup> , N. Curteanu <sup>2</sup> , A. Airinei <sup>3</sup> , M. Cazacu <sup>3</sup> , <sup>1</sup> "Gh. Asachi" Technical University Iasi, Romania, <sup>2</sup> Institute for Computer Science, Romania, <sup>3</sup> "Petru Poni" Institute of Macromolecular Chemistry, Romania

[B3.1.23]	K.	Daimatsu	<b>Preparation and physical properties of transparent organic-inorganic nanohybrid materials containing nano-sized silica particles</b> K. Daimatsu*, H. Sugimoto, K. Inomata, E. Nakanishi, <i>Nagoya Institute of Technology, Japan</i>
[B3.1.24]	M.G.	De Angelis	<b>Characterization and modelling of the organic vapors transport of in mixed matrix membranes formed by amorphous teflon and fumed silica nanoparticles</b> M.C. Ferrari, M. Galizia, M.G. De Angelis*, G.C. Sarti, <i>Universita' di Bologna, Italy</i>
[B3.1.25]	M.F.	De Riccardis	<b>A novel method for preparing a thin layer of montmorillonite-epoxy composite by electrophoretic deposition,</b> M.F. De Riccardis* <sup>1</sup> , V. Martina <sup>1</sup> , D. Carbone <sup>1</sup> , M. Re <sup>1</sup> , M.A. Tagliente <sup>1</sup> , B. Bozzini <sup>2</sup> , <sup>1</sup> ENEA, Italy, <sup>2</sup> Università del Salento, Italy
[B3.1.26]	V.	de Zea Bermudez	<b>Luminescent ionogels based on a class II host hybrid</b> M. Fernandes <sup>1</sup> , V. de Zea Bermudez* <sup>1</sup> , M. Armand <sup>2</sup> , R.A. Sá Ferreira <sup>3</sup> , L.D. Carlos <sup>3</sup> , <sup>1</sup> University of Trás-os-Montes e Alto Douro, Portugal, <sup>2</sup> Laboratoire de Réactivité et de Chimie des Solides, France, <sup>3</sup> University of Aveiro, Portugal
[B3.1.27]	J.	Dong	<b>Polymerization-rendered polypropylene/clay nanocomposites: An in-reactor polymerization and properties</b> J. Dong, <i>The Chinese Academy of Sciences, China</i>
[B3.1.28]	E.	Espuche	<b>Polymer/metal nanocomposites films: From in situ nanostructuring process to specific gas transport properties</b> S. Clémenson, L. David, E. Espuche*, <i>Université de Lyon, France</i>
[B3.1.29]	A.	Etxeberria	<b>Transport properties through phenoxy resin and its clay nanocomposites</b> A. Etxeberria*, A. Gonzalez, M.A. Corres, J.J. Iruin, B. Perez Allende, <i>University of Basque Country UPV/EHU, Spain</i>
[B3.1.30]	S.	Fateixa	<b>Chemical strategies for the controlled synthesis of metal/polymer nanocomposites</b> S. Fateixa*, M.A. Martins, T. Trindade, <i>University of Aveiro, Portugal</i>
[B3.1.31]	M.M.	Favaro	<b>On-line optical monitoring of the crystallization of PP/PP-g-MA/MMT nanocomposites during injection molding</b> F. Moretti, M.M. Favaro*, M.C. Branciforti, R.E.S. Bretas, <i>Federal University of São Carlos, Brazil</i>
[B3.1.32]	M.M.	Favaro	<b>Study of the isothermal quiescent crystallization of PTT/MMT nanocomposites by DSC and PLOM analyses</b> M.M. Favaro*, B.T. Rego, M.C. Branciforti, R.E.S. Bretas, <i>Federal University of São Carlos, Brazil</i>
[B3.1.33]	A.	Fina	<b>Hybrid organic/inorganic polymers by one-step reactive blending</b> A. Fina* <sup>1</sup> , G. Camino <sup>1</sup> , O. Monticelli <sup>2</sup> , P. Waghmare <sup>2</sup> , A. Ullah <sup>2</sup> , <sup>1</sup> Politecnico di Torino, Italy, <sup>2</sup> Università di Genova, Italy
[B3.1.34]	D.	Fischer	<b>New insights in the intercalation/exfoliation degree of nanofillers in polymer nanocomposites during extrusion by in-situ measurements</b> D. Fischer* <sup>1</sup> , J. Müller <sup>1</sup> , S. Kummer <sup>1</sup> , K. Sahre <sup>1</sup> , B. Kretschmar <sup>1</sup> , S. Große <sup>2</sup> , <sup>1</sup> Leibniz Institute of Polymer Research, Germany, <sup>2</sup> TOPAS GmbH, Germany
[B3.1.35]	O.	García	<b>New solid-state laser based on nanohybrid POSS-copolymers</b> O. García* <sup>1</sup> , R. Sastre <sup>1</sup> , I. García-Moreno <sup>2</sup> , V. Martín <sup>2</sup> , A. Costela <sup>2</sup> , <sup>1</sup> Instituto de Ciencia y Tecnología de Polímeros, Spain, <sup>2</sup> Instituto de Química-Física Rocasolano, Spain
[B3.1.36]	S.A.	Garea	<b>New reinforcing agents based on polyhedral oligomeric silsesquioxane (POSS) and layered silicates designed for epoxy systems</b> S.A. Garea*, F. Constantin, G. Voicu, H. Iovu, <i>Polytechic University of Bucharest, Romania</i>
[B3.1.37]	M.	Ghiurea	<b>Some morphological aspects for film nanocomposites based on polyvinyl alcohol-modified montmorillonite</b> M.C. Corobea <sup>1</sup> , S.C. Beckmann <sup>2</sup> , M. Ghiurea* <sup>1</sup> , D. Donescu <sup>1</sup> , C. Petcu <sup>1</sup> , <sup>1</sup> INCDCP-ICECHIM Bucharest, Romania, <sup>2</sup> University of Applied Science, Germany
[B3.1.38]	D.	Giaume	<b>Nanoparticules in polymer composite for optical properties</b> D. Giaume* <sup>1,2</sup> , S. Darguy <sup>1,2</sup> , D. Carrière <sup>3</sup> , P. Barboux <sup>1,2</sup> , <sup>1</sup> Laboratoire de Chimie de la Matière Condensée, France, <sup>2</sup> Ecole Nationale de Chimie de Paris, France, <sup>3</sup> Laboratoire LIONS CEA de Saclay, France
[B3.1.39]	M.	Giordano	<b>Manufacturing and testing of a novel hybrid advanced composite laminate with increased damping performances</b> A. Martone <sup>1,2</sup> , M. Giordano* <sup>2</sup> , <sup>1</sup> University of Naples "Federico II", Italy, <sup>2</sup> Instituto for Composite and Biomedical Materials-CNR, Italy
[B3.1.40]	L.M.	Goldenberg	<b>Hybrid sol-gel based materials for holographic surface relief and volume structuring</b> L.M. Goldenberg* <sup>1</sup> , O. Kulikovska <sup>2</sup> , O. Sakhno <sup>1</sup> , L. Kulikovskiy <sup>1</sup> , Y. Grijsai <sup>1</sup> , J. Stumpe <sup>2</sup> , <sup>1</sup> Institute for Thin Film Technology and Microsensorics c/o, Germany, <sup>2</sup> Fraunhofer Institute for Applied Polymer Research, Germany
[B3.1.41]	M.G.	González	<b>Modelling morphology development during curing of initially heterogeneous hybrid thermosets</b> M.G. González*, J.C. Cabanelas, J. Baselga, <i>University Carlos III of Madrid, Spain</i>

[B3.1.42]	F.	Graziola	<b>Tri-component inorganic-organic hybrid materials based on zirconium oxocluster as protective coatings for wood</b> F. Graziola <sup>1,2</sup> , S. Gross <sup>1</sup> , R. Di Maggio <sup>2</sup> , F. Girardi <sup>2</sup> , K. Mueller <sup>3</sup> , E. Callone <sup>2</sup> , et al, <sup>1</sup> Università di Padova, Italy, <sup>2</sup> Università di Trento, Italy, <sup>3</sup> Universität Stuttgart, Germany
[B3.1.43]	J.	Grignard	<b>Preparation and properties of organic/inorganic hybrid nanocomposite materials from rubbery poly(ether imide) and silica</b> J. Grignard <sup>1</sup> , D. Roizard <sup>1</sup> , E. Favre <sup>1</sup> , J. Ghanbaja <sup>2</sup> , <sup>1</sup> CNRS-LSGC-ENSIC Nancy-Université, France, <sup>2</sup> Université Henri Poincaré, France
[B3.1.44]	S.	Gross	<b>First example of chromium wheel-based hybrid inorganic-organic materials for functional dielectric applications</b> S. Gross <sup>1</sup> , G. Timco <sup>2</sup> , V. Di Noto <sup>1</sup> , S. Lavina <sup>1</sup> , M. Rancan <sup>1</sup> , R. Winpenny <sup>2</sup> , <sup>1</sup> Università di Padova, Italy, <sup>2</sup> The University of Manchester, UK
[B3.1.45]	C.S.	Ha	<b>Preparation and characterization of polyimide/mesoporous silica hybrid nanocomposites</b> C.S. Ha*, T. Lee, S.S. Park, Y. Jung, et al, Pusan National University, Korea
[B3.1.46]	C.S.	Ha	<b>Polynorborene dicarboximides with hole transporting carbazole moieties and their silica-hybrid thin films for hole transporting layers of OLEDs</b> M.C. Choi, C.S. Ha*, Pusan National University, Korea
[B3.1.47]	M.	Han	<b>Multi-functional organic-inorganic hybrid coating materials by amphiphilic copolymers</b> M. Han*, J.I. Seo, Korea Research Institute of Chemical Technology, Korea
[B3.1.48]	S.H.	Hatamy	<b>Integrating cobalt nanostructures with organic conducting polymers for possible magnetic semiconductor applications</b> S.H. Hatamy <sup>1</sup> , V. Purohit <sup>2</sup> , S.N. Kale <sup>1</sup> , <sup>1</sup> Fergusson College, India, <sup>2</sup> Centre National de la Recherche Scientifique, France
[B3.1.49]	M.	Helen	<b>Heteropolyacid based hybrid membranes for DMFC applications</b> M. Helen <sup>1</sup> , B. Viswanathan <sup>1</sup> , S. Srinivasa Murthy <sup>2</sup> , <sup>1</sup> National Centre for Catalysis Research, India, <sup>2</sup> Indian Institute of Technology Madras, India
[B3.1.50]	V.	Hermán	<b>Preliminary study of nanostructures compounds of high density polyetylen-hydroxyapatite (HDPE-HA)</b> V. Hermán*, A. Karam, C. Albano, Y. Sanchez, Instituto Venezolano de Investigaciones Cientificas, Venezuela
[B3.1.51]	K.	Hervé	<b>New stealth and magnetic polymeric nanovectors of doxorubicin</b> E. Munnier, K. Hervé*, H. Marchais, L. Douziech-Eyrolles, S. Cohen-Jonathan, I. Chourpa, et al, Université de Tours, France
[B3.1.52]	X.	Hu	<b>Multifunctional TiO<sub>2</sub> hybrid nanocomposites and nanostructures</b> T.R.B. Foong <sup>1</sup> , Y.D. Shen <sup>1</sup> , M.S. Yang <sup>2</sup> , X. Hu <sup>1</sup> , <sup>1</sup> Nanyang Technological University, Singapore, <sup>2</sup> Chinese Academy of Sciences, China
[B3.1.53]	G.	Hu	<b>Exceptional mechanical properties of nanostructured hybrid materials</b> G. Hu <sup>1</sup> , C. Creton <sup>1</sup> , F. Rodriguez <sup>2</sup> , L. Rozes <sup>2</sup> , C. Sanchez <sup>2</sup> , <sup>1</sup> UMR 7615 CNRS-UPMC-ESPCI, France, <sup>2</sup> Université P. et M. Curie, France
[B3.1.54]	C.A.	Idibie	<b>Modification of polystyrene-butadiene rubber for proton exchange membrane fuel cell</b> C.A. Idibie <sup>1</sup> , A.S. Abdulkareem <sup>1</sup> , S.E. Iyuke <sup>1</sup> , L. Van Dyk <sup>1</sup> , H.C.V.Z. Piennar <sup>2</sup> , <sup>1</sup> University of the Witwatersrand, South Africa, <sup>2</sup> Vaal University of Technology, South Africa
[B3.1.55]	E.F.	Ioannou	<b>Effect of lithium salt concentration on the self-assembly of PEO-based block copolymer electrolytes</b> E.F. Ioannou <sup>1</sup> , K. Gatsouli <sup>1</sup> , S. Pispas <sup>1</sup> , E.I. Kamitsos <sup>1</sup> , G. Floudas <sup>2,3</sup> , <sup>1</sup> National Hellenic Research Foundation, Greece, <sup>2</sup> University of Ioannina, Greece, <sup>3</sup> Foundation for Research and Technology Hellas, Greece
[B3.1.56]	S.S.	Ivanchev	<b>Nanostructure features of new proton conducting membranes based on hybrid crosslinked polymers</b> S.S. Ivanchev*, O.N. Primachenko, S.J. Khaikin, S.V. Myakin, Boreskov Institute of Catalysis, Russia
[B3.1.57]	A.	Jung	<b>Nanocomposites with completely exfoliated layered silicates using a highly branched silica precursor polymer</b> K. Peter <sup>1</sup> , A. Jung <sup>1</sup> , M. Moeller <sup>1</sup> , D.E. Demco <sup>1</sup> , X. Zhu <sup>1</sup> , C. Melian <sup>2</sup> , <sup>1</sup> DWI at RWTH Aachen e.V., Germany, <sup>2</sup> Institute of Technical and Macromolecular Chemistry, Germany
[B3.1.58]	M.	Kanesato	<b>Wavelength converting materials incorporating lanthanide complexes into polymer matrices</b> M. Kanesato*, K. Nagahara, K. Sato, S. Ishibe, M. Goto, National Institute of Advanced Industrial Science and Technology, Japan
[B3.1.59]	J.	Kang	<b>Novel nucleic acid diagnosing particles by the means of fluorescence resonance energy transfer (FRET)</b> J. Kang*, L. Dähne, SurfRay Nanotec GmbH, Germany

[B3.1.60]	A.	Karkhaneh	<b>Effects of secondary polymer networks on nano/microcrack formation of oxygen plasma treated polydimethylsiloxane-based IPNs</b> A. Karkhaneh*, S. Movahed Bashiri, F. Mohamadpour Bagheri, <i>Islamic Azad University, Iran</i>
[B3.1.61]	S.	Kaskel	<b>Functional inorganic nanofillers in transparent polymers</b> S. Kaskel, <i>Technical University Dresden, Germany</i>
[B3.1.62]	P.	Kempe	<b>Nanocomposites and nanoporous materials by cationic ring-opening polymerization of a phenolic spiro-silicon-compound</b> P. Kempe*, S. Spange, A. Seifert, R. Lungwitz, <i>Chemnitz University of Technology, Germany</i>
[B3.1.63]	D.H.	Kim	<b>Surface plasmons and quantum dots enhanced photocatalytic and light emission properties of self-organized hybrid metal/quantum dot/block copolymer nanostructures</b> D.H. Kim*, D. Kannaiyan, S.T. Kochuveedu, M.A. Cha, Y.H. Jang, <i>Ewha Womans University, Korea</i>
[B3.1.64]	F.	Kovanda	<b>Preparation of polymethacrylate/layered double hydroxide nanocomposites</b> F. Kovanda* <sup>1</sup> , E. Jindová <sup>1</sup> , Z. Sedláková <sup>2</sup> , <sup>1</sup> <i>Institute of Chemical Technology, Czech Republic</i> , <sup>2</sup> <i>Institute of Macromolecular Chemistry AS CR, v.v.i., Czech Republic</i>
[B3.1.65]	D.	Koziej	<b>Fabrication of self-supporting, transparent and UV absorbing composite films based on nanometer sized TiO<sub>2</sub> and PMMA</b> D. Koziej*, F. Fischer, N. Kränzlin, W.R. Caseri, M. Niederberger, <i>ETH Zürich, Switzerland</i>
[B3.1.66]	B.	Krause	<b>Electrical resistivity of polyamide composites in dependence on the kind of carbon-nanotube</b> B. Krause* <sup>1</sup> , P. Pötschke <sup>1</sup> , M. Ritschel <sup>2</sup> , A. Leonhardt <sup>2</sup> , <sup>1</sup> <i>Leibniz Institute of Polymer Research, Germany</i> , <sup>2</sup> <i>Leibniz Institute for Solid State and Materials Research, Germany</i>
[B3.1.67]	F.	Lahoz	<b>Amplified spontaneous emission in hybrid waveguides formed by organic semiconductor thin films on porous silicon substrates</b> F. Lahoz* <sup>1</sup> , N. Capuj <sup>1</sup> , C.J. Oton <sup>2</sup> , S. Cheylan <sup>3</sup> , <sup>1</sup> <i>Universidad de La Laguna, Spain</i> , <sup>2</sup> <i>University of Southampton, UK</i> , <sup>3</sup> <i>Institut de Ciències Fotoniques, Spain</i>
[B3.1.68]	M.	Lavorgna	<b>Hybrid-nanocomposite materials: Influence of morphology of inorganic domains on viscoelastic behavior</b> F. Piscitelli <sup>1</sup> , G. Barra <sup>2</sup> , L. Mascia <sup>3</sup> , G. Mensitieri <sup>1</sup> , M. Lavorgna* <sup>4</sup> , <sup>1</sup> <i>University "Federico II", Italy</i> , <sup>2</sup> <i>IMAST Technological District on Polymeric and Composite Materials Engineering and Structures, Italy</i> , <sup>3</sup> <i>Loughborough University, UK</i> , <sup>4</sup> <i>National Research Council, Italy</i>
[B3.1.69]	Y.	Li.	<b>A facile approach to fabricate silica cross-linked magnetic copolymer nanocomposites</b> D. Niu <sup>1</sup> , Y. Li* <sup>1</sup> , J. Shi <sup>1,2</sup> , <sup>1</sup> <i>East China University of Science and Technology, China</i> , <sup>2</sup> <i>Chinese Academy of Sciences, China</i>
[B3.1.70]	X.	Liu-Maurer	<b>Synthesis and study of silica hydrogels with an embedded thermo sensitive PNIPAm-</b> N.K. Huesing, A. Khokhlov, G. Komarova, X. Liu-Maurer*, <i>Ulm University, Germany</i>
[B3.1.71]	E.	Logakis	<b>Electrical properties of epoxy nanocomposites reinforced by multi-wall carbon nanotubes</b> E. Logakis* <sup>1</sup> , C.H. Pandis <sup>1</sup> , P. Pissis <sup>1</sup> , R. Kotsilkova <sup>2</sup> , E. Ivanov <sup>2</sup> , E. Krusteva <sup>2</sup> , et al, <sup>1</sup> <i>National Technical University of Athens, Greece</i> , <sup>2</sup> <i>Central Laboratory of Physico-Chemical Mechanics, Bulgaria</i>
[B3.1.72]	M.J.	Lopez-Tendero	<b>Organic-inorganic hybrid nanocomposite coatings for application in construction materials</b> C. Silvestre, M.J. Lopez-Tendero*, M. Cruz-Yusta, N. Baeza, C. Guillem, S. Sanjuan, et al, <i>AIDIDO, Spain</i>
[B3.1.73]	Y.	Lu	<b>Well-defined crystalline TiO<sub>2</sub> nanoparticles generated and immobilized on a colloidal nanoreactor</b> Y. Lu*, M. Hoffmann, R. Sai Yelamanchili, M. Schrinner, J. Brey, M. Ballauff, <i>University of Bayreuth, Germany</i>
[B3.1.74]	W.A.K.	Mahmood	<b>Organic-inorganic composites from ENR-50 (epoxidized natural rubber) and titania: Material characteristics of enr with titania/zirconia/mixture of TI &amp; ZR</b> W.A.K. Mahmood*, C.K. Goh, K.H. Lok, <i>Universiti Sains Malaysia, Malaysia</i>
[B3.1.75]	Ö.	Malay	<b>Preparation of environment-friendly polyurethane/silica nanocomposites</b> Ö. Malay* <sup>1</sup> , N.K. Apohan <sup>2</sup> , A. Güngör <sup>2</sup> , Y.Z. Menciloglu <sup>1</sup> , <sup>1</sup> <i>Sabancı University, Turkey</i> , <sup>2</sup> <i>Marmara University, Turkey</i>
[B3.1.76]	R.	Mansouri	<b>Growth of ZnO nanostructures to investigating their antifungal character</b> R. Mansouri*, E. Arzi, <i>Tehran University, Iran</i>
[B3.1.77]	V.	Martina	<b>Formation of polyaniline/carbon nanotube composite materials by electrophoretic and electrochemical techniques</b> V. Martina* <sup>1</sup> , M.F. De Riccardis <sup>1</sup> , D. Carbone <sup>1</sup> , M. Re <sup>1</sup> , B. Bozzini <sup>2</sup> , <sup>1</sup> <i>ENEA, Italy</i> , <sup>2</sup> <i>Università del Salento, Italy</i>

[B3.1.78]	M.A.	Martins	<b>Optical properties of CdSe QDs-poly(butylacrylate) nanocomposites</b> M.A. Martins*, R.S. Ferreira, A. Barros-Timmons, L.D. Carlos, T. Trindade, <i>University of Aveiro, Portugal</i>
[B3.1.79]	A.	Matei	<b>Characterization of the dispersion of ZnO nanoparticles in polymeric matrix</b> A. Matei <sup>1</sup> , I. Cernica <sup>1</sup> , O. Cadar <sup>2</sup> , C. Roman <sup>2</sup> , V. Schiopu <sup>1</sup> , <sup>1</sup> National Institute for Research and Development in Microtechnologies, Romania, <sup>2</sup> Research Institute for Analytical Instrumentation, Romania
[B3.1.80]	C.D.	Mayworm	<b>Production and properties of resin composites reinforced by nanoclay for dental application</b> F.L. Bastian, C.D. Mayworm*, <i>Federal University of Rio de Janeiro, Brazil</i>
[B3.1.81]	A.	Mehner	<b>Synthesis of titanium dioxide nanostructures by cationic polymerization of new titanium alcoholates</b> A. Mehner*, T. Ruffer, H. Lang, A. Pohlers, W. Hoyer, S. Spange, <i>Chemnitz University of Technology, Germany</i>
[B3.1.82]	I.	Mikonsaari	<b>NanoDirekt- new direct process for nanocomposites</b> I. Mikonsaari <sup>1</sup> , S. Lüssenheide <sup>1</sup> , E. Bosch <sup>1</sup> , M. Kreitmeyer <sup>4</sup> , A. Zanki <sup>2</sup> , J. Metzger <sup>3</sup> , <sup>1</sup> Fraunhofer Institute for Chemical Technology, Germany, <sup>2</sup> Bada AG, Germany, <sup>3</sup> Coperion Werner & Pfeleiderer GmbH, Germany, <sup>4</sup> Viscotec Pumpen- und Dosierttechnik GmbH, Germany
[B3.1.83]	E.	Minko	<b>Hyperbranched polyimides containing silica</b> E. Minko*, P. Sysel, M. Hauf, <i>Institute of Chemical Technology, Czech Republic</i>
[B3.1.84]	M.	Mizuhata	<b>Design of catalytic layer of PEFC and the effect on inhibition of catalyst particle dispersion into polymer electrolyte membrane</b> M. Mizuhata*, K. Matsumoto, Y. Miyachi, M. Oga, S. Deki, <i>Kobe University, Japan</i>
[B3.1.85]	M.C.	Neves	<b>Pigmentation of cellulosic fibers using iron (III) oxide nanophases</b> M.C. Neves*, C.P. Neto, T. Trindade, <i>University of Aveiro, Portugal</i>
[B3.1.86]	A.F.	Nicolescu	<b>Nanoscale structured organic-inorganic polymers from acrylate monomers and silane derivatives</b> A.F. Nicolescu*, V.V. Jerca <sup>1</sup> , A.M. Albu <sup>1,2</sup> , D.M. Vuluga <sup>1</sup> , <sup>1</sup> Romanian Academy, Romania, <sup>2</sup> University "POLITEHNICA" of Bucharest, Romania
[B3.1.87]	R.	Nuisin	<b>Chitosan/titanium dioxide nanocomposites film prepared by a solution casting methods</b> P. Norranarttrakul, K. Siralermukul, R. Nuisin*, <i>Chulalongkorn University, Thailand</i>
[B3.1.88]	N.	Ouis	<b>Effect of maghnite on thermal stability of PANI-clay nanocomposites</b> N. Ouis*, N. Benharrats <sup>2</sup> , S. Mesli <sup>2</sup> , M. Belbachir <sup>1</sup> , <sup>1</sup> University of Oran Es-Senia, Algeria, <sup>2</sup> University of Science and Technology Oran, Algeria
[B3.1.89]	T.	Phan	<b>Synthesis of PBA-b-PMMA block copolymers by nitroxide mediated polymerization and their application to PMMA-titania hybrid materials</b> T. Phan*, D. Bertin, D. Gimes, <i>University of Provence, France</i>
[B3.1.90]	A.	Piegat	<b>Morphology assessment of polyester-TiO<sub>2</sub> nanocomposites</b> A. Piegat*, M. El Fray, <i>Szczecin University of Technology, Poland</i>
[B3.1.91]	R.J.B.	Pinto	<b>Electrostatic assembly and growth of gold nanoparticles in cellulosic fibres</b> R.J.B. Pinto*, P.A.A.P. Marques, M.A. Martins, C.P. Neto, T. Trindade, <i>University of Aveiro, Portugal</i>
[B3.1.92]	A.A.	Pud	<b>The synthesis and properties of hybrid CdS(CdSe)-polyvinylidene fluoride nanocomposites</b> A.A. Pud*, O.P. Dimitriev <sup>2</sup> , Y.V. Noskov <sup>1</sup> , et al, <sup>1</sup> NASU, Ukraine, <sup>2</sup> ARKEMA, CERDATO, France
[B3.1.93]	V.	Rives	<b>Influence of the interlayer anion on the thermal properties of LDH/polyamide 6.6 nanocomposites</b> M. Herrero, F.M. Labajos, V. Rives*, <i>Universidad de Salamanca, Spain</i>
[B3.1.94]	F.S.	Salaün	<b>Influence of solubility parameters on the preparation of hybrid organic-inorganic microparticles</b> F.S. Salaün*, I.V. Vroman <sup>1</sup> , C.A. Aubry <sup>1</sup> , E.D. Devaux <sup>1</sup> , S.B. Bourbigot <sup>2</sup> , P.R. Rumeau <sup>3</sup> , <sup>1</sup> GEMTEX-ENSAIT, France, <sup>2</sup> PERF-ENSCL, France, <sup>3</sup> IFTH, France
[B3.1.95]	L.D.	Salmi	<b>ALD of inorganic-organic nanolaminates</b> L.D. Salmi*, E. Puukilainen, M. Vehkamäki, M. Heikkilä, M. Ritala, <i>University of Helsinki, Finland</i>
[B3.1.96]	J.	Samuel	<b>Functionnalization and dispersion of fluorescent silica nanoparticles</b> J. Samuel*, O. Raccurt <sup>1</sup> , O. Poncelet <sup>1</sup> , W.L. Ling <sup>1</sup> , D. Grunwald <sup>1</sup> , O. Tillement <sup>2</sup> , <sup>1</sup> CEA, France, <sup>2</sup> CNRS, France
[B3.1.97]	A.	Santos	<b>Fabrication of a new structure of nanoporous anodic alumina by two-step hard anodization procedure</b> A. Santos*, L. Vojkuvka, J. Pallarés, J. Ferré-Borrull, L.F. Marsal, <i>Universitat Rovira i Virgili, Spain</i>
[B3.1.98]	S.	Schlabach	<b>Tailored refractivity of micro-optical devices facing two different ways of Ta<sub>2</sub>O<sub>5</sub> nanoparticles incorporation</b> S. Schlabach*, D.V. Szabó <sup>1</sup> , R. Ochs <sup>1</sup> , T. Hanemann <sup>1,2</sup> , <sup>1</sup> Forschungszentrum Karlsruhe GmbH, Germany, <sup>2</sup> Albert-Ludwigs-Universität Freiburg, Germany

[B3.1.99]	S.	Sen	<b>Investigation of the adsorption capability of cadmium (Cd) modified 13X /polyfuran composites</b> S. Sen <sup>*1</sup> , B. Bardakci <sup>1</sup> , A. Uygun <sup>2</sup> , <sup>1</sup> Mehmet Akif Ersoy University, Turkey, <sup>2</sup> Süleyman Demirel University, Turkey
[B3.1.100]	R.	Shimizu	<b>Functionalized blending membrane of PAMAM dendrimer in the rigid polymer matrix for CO<sub>2</sub> separation</b> R. Shimizu <sup>*</sup> , I. Taniguchi, S. Kazama, Y. Fujioka, <i>Research Institute of Innovative Technology for the Earth, Japan</i>
[B3.1.101]	A.	Sirivat	<b>Dielectrophoresis force and deflection behavior of dielectric elastomers under electric field: Effect of dielectric constants</b> R. Kunanuruksapong, A. Sirivat <sup>*</sup> , <i>The Petroleum and Petrochemical College, Thailand</i>
[B3.1.102]	A.	Sirivat	<b>Electric field assisted transdermal delivery of salicylic acid from poly(p-phenylene vinylene)-loaded polyacrylamide hydrogels</b> S. Niamlang, A. Sirivat <sup>*</sup> , <i>The Petroleum and Petrochemical College, Thailand</i>
[B3.1.103]	R.G.	Sousa	<b>Evaluation of a drug delivery system from hybrid based on thermo-responsive polymers and mesoporous silica</b> A. Sousa <sup>1,2</sup> , E.M.B. Sousa <sup>2</sup> , R.G. Sousa <sup>*1</sup> , <sup>1</sup> Universidade Federal de Minas Gerais, Brazil, <sup>2</sup> Centro de Desenvolvimento da Tecnologia Nuclear, Brazil
[B3.1.104]	N.D.	Stanciu	<b>"In situ" radical copolymerization of 2-hydroxyethyl methacrylate – chloromethylstyrene on modified montmorillonite</b> N.D. Stanciu <sup>*1</sup> , A.M. Albu <sup>1,2</sup> , G. Voicu <sup>2</sup> , D.M. Vuluga <sup>1</sup> , <sup>1</sup> Romanian Academy, Romania, <sup>2</sup> University "POLITEHNICA" of Bucharest, Romania
[B3.1.105]	N.M.	Sulca	<b>New nanocomposites based on methacrylic polymers and polyhedral oligomeric silsesquioxane</b> N.M. Sulca <sup>*</sup> , A. Lungu, S.A. Garea, H. Iovu, <i>Polytechnic University of Bucharest, Romania</i>
[B3.1.106]	J.	Tenas	<b>Epoxy based hybrid materials using functionalised alkoxysilanes</b> J. Tenas <sup>*1</sup> , Y. de Miguel <sup>1</sup> , L. Irusta <sup>2</sup> , M.J. Fernández-Berridi <sup>2</sup> , <sup>1</sup> LABEIN-Tecnalia, Spain, <sup>2</sup> University of Basque Country, Spain
[B3.1.107]	A.	Ussawadilokrit	<b>Impact property and crystallization behavior of polypropylene/montmorillonite nanocomposites</b> S. Chuayjuljit, A. Ussawadilokrit <sup>*</sup> , <i>Chulalongkorn University, Thailand</i>
[B3.1.108]	N.	Uyanik	<b>The effects of polar groups containing compatibilizers onto the properties of polyolefin nanocomposites</b> N. Uyanik <sup>*</sup> , B. Eriman, <i>Istanbul Technical University, Turkey</i>
[B3.1.109]	C.	Visy	<b>Multifunctional nanocomposites of conducting polymers</b> C. Janáky, G. Bencsik, E. Kriván, Á. Patzkó, E. Pintér, C. Visy <sup>*</sup> , <i>University of Szeged, Hungary</i>
[B3.1.110]	M.J.	Vitorino	<b>Polyisoprene-kaolin nanocomposites by in situ polymerization</b> M.J. Vitorino <sup>*</sup> , M. Visseaux, <i>Unité de Catalyse et de Chimie du Solide, France</i>
[B3.1.111]	Z.	Vuluga	<b>Study of the morphostructural properties of the LDPE/ layered silicate nanocomposites</b> Z. Vuluga <sup>*1</sup> , C. Radovici <sup>1</sup> , R. Trusca <sup>2</sup> , D.M. Vuluga <sup>3</sup> , E. Vasile <sup>1</sup> , <sup>1</sup> National Research and Development Institute for Chemistry and Petrochemistry, Romania, <sup>2</sup> S.C. METAV, Romania, <sup>3</sup> Centre for Organic Chemistry, Romania
[B3.1.112]	N.	Watzeels	<b>Assessing the degree of nanofiller dispersion in poly(ε-caprolactone) nanocomposites by means of dynamic rheometry and advanced thermal analysis</b> N. Watzeels <sup>*</sup> , H.E. Miltner, C. Block, N.A. Gotzen, H. Rahier, B. Van Mele, et al, <i>Vrije Universiteit Brussel, Belgium</i>
[B3.1.113]	C.K.	Weiss	<b>The miniemulsion technique as versatile method for the preparation of hybrid nanoparticles</b> C.K. Weiss <sup>*1,2</sup> , C. Hauser <sup>1,2</sup> , R. Schiller <sup>1,2</sup> , K. Landfester <sup>1,2</sup> , <sup>1</sup> Max-Planck-Institute for Polymer Research, Germany, <sup>2</sup> University of Ulm, Germany
[B3.1.114]	M.	Yadav	<b>Synthesis of polyvinyl pyridine based thermochromic polymers</b> M. Yadav <sup>*</sup> , P.L. Sah, M.G.H. Zaidi, <i>G B Pant University of Agriculture &amp; Technology, India</i>
[B3.1.115]	G.I.	Yakovlev	<b>Modification of porous cement matrix of the carbon nanotubes</b> G.I. Yakovlev <sup>*</sup> , A. Yakovleva, <i>Izhevsk State Technical University, Russia</i>
[B3.1.116]	R.	Zandi-Zand	<b>Preparation of nanocomposite hybrid coatings for scratch, abrasion and corrosion inhibitor of metal surfaces</b> R. Zandi-Zand <sup>*1</sup> , A. Rouhollahi <sup>1</sup> , M. Yousefi <sup>2</sup> , L. Shamsol'ahrari <sup>3</sup> , H. Samar <sup>4</sup> , <sup>1</sup> K.N.Toosi University of Technology, Iran, <sup>2</sup> Iran Polymer and Petrochemical Institute, Iran, <sup>3</sup> Azad University, Iran, <sup>4</sup> Shahid Rajayie Teacher Treatment University, Iran
[B3.1.117]	B.	Zornoza	<b>Separation of hydrogen using mixed matrix membranes from nanostructured materials</b> B. Zornoza <sup>*</sup> , P. Gorgojo, C. Casado, S. Uriel, C. Tellez, J. Coronas, <i>University of Zaragoza, Spain</i>
<b>Symposium C – MOFs</b>			
[C3.1.01]	S.	Aguado	<b>Preparation of zeolitic imidazolate framework ZIF-23 films on porous alumina</b> S. Aguado <sup>*</sup> , D. Farrusseng, <i>IRCELYON CNRS, France</i>

[C3.1.02]	B.	Arab-Chapelet	<b>Uranium oxalate frameworks: Useful tools for actinide co-management in an integrated nuclear fuel cycle</b> B. Arab-Chapelet <sup>*1</sup> , F. Abraham <sup>2</sup> , S. Grandjean <sup>1</sup> , <sup>1</sup> CEA, France, <sup>2</sup> ENSCL-USTL, France
[C3.1.03]	R.C.G.	Frem	<b>Coordination polymers of palladium(II): Effects of the metal: Oxalate molar ratio on the formation of complexes</b> R.C.G. Frem <sup>*</sup> , N. Gomes, A.V.G. Netto, A.E. Mauro, <i>Instituto de Química de Araraquara, Brazil</i>
[C3.1.04]	S.	Brandès	<b>Synthesis of hybrid organic – inorganic materials for CO<sub>2</sub> capture</b> G. Ortiz <sup>1</sup> , S. Brandès <sup>*1</sup> , P. Pullumbi <sup>2</sup> , R. Guillard <sup>1</sup> , <sup>1</sup> Université de Bourgogne, France, <sup>2</sup> AIR LIQUIDE, France
[C3.1.05]	A.	Cabeza	<b>Breathing and gas uptake in crystalline calcium tetrathophosphonates</b> A. Cabeza <sup>*1</sup> , R.M.P. Colodrero <sup>1</sup> , L. León-Reina <sup>1</sup> , M.A.G. Aranda <sup>1</sup> , E. Barouda <sup>2</sup> , K.D. Demadis <sup>2</sup> , <sup>1</sup> University of Málaga, Spain, <sup>2</sup> University of Crete, Greece
[C3.1.06]	L.C.	de Menorval	<b>MOF materials as drug support</b> A Rivera <sup>1</sup> , Y.B. Álvarez-Sánchez <sup>1</sup> , L.M. Rodríguez-Albelo <sup>1</sup> , L.C. de Menorval <sup>*2,1</sup> , A.R. Ruiz-Salvador <sup>1</sup> , <sup>1</sup> University of Havana, Cuba, <sup>2</sup> Université Montpellier II, France
[C3.1.07]	K.D.	Demadis	<b>Metal tetrathosphonate inorganic-organic hybrid materials and their corrosion inhibiting passive films</b> K.D. Demadis <sup>*</sup> , E. Barouda, <i>University of Crete, Greece</i>
[C3.1.08]	S.	Devautour-Vinot	<b>Selective adsorption of alcohol over water in breathing metal organic frameworks: A combination of complementary experimental tools</b> S. Devautour-Vinot <sup>*1</sup> , G. Maurin <sup>1</sup> , S. Bourrelly <sup>2</sup> , P.L. Llewellyn <sup>2</sup> , C. Serre <sup>3</sup> , G. Férey <sup>3</sup> , et al <sup>1</sup> Université Montpellier II, France, <sup>2</sup> Université de Provence, France, <sup>3</sup> Université de Versailles, France
[C3.1.09]	T.	Devic	<b>Tuning the sorption selectivity of flexible metal organic frameworks through the use of functionalized linkers</b> T. Devic <sup>*</sup> , P. Horcajada, C. Serre, S. Bauer, N. Stock, G. Férey, et al, <i>Institut Lavoisier Versailles, France</i>
[C3.1.10]	D.	Farrusseng	<b>Heats of adsorption for six gases in three metal-organic frameworks: Systematic comparison of experiment and simulation</b> D. Farrusseng <sup>*1</sup> , U. Ravon <sup>1</sup> , Y. Schuurman <sup>1</sup> , D. Dubbeldam <sup>2</sup> , H. Frost <sup>2</sup> , R.Q. Snurr <sup>2</sup> , et al, <sup>1</sup> IRCELYON, France, <sup>2</sup> Northwestern University, USA
[C3.1.11]	A.	Mesbah	<b>Thermal evolution of the nickel(II) hydroxyl-terephthalate: Crystal structure and magnetic study</b> A. Mesbah <sup>*</sup> , A. Carton, Q. Recour, T. Mazet, L. Aranda, M. François, et al, <i>Université Henri Poincaré, France</i>
[C3.1.12]	P.	Garczarek	<b>N,N'-bis(Dihydroxyphosphorylmethyl)benzene-1,2,4,5-Tetracarboxydiimide: A new bisphosphonate building block in supramolecular chemistry</b> J. Zon <sup>1</sup> , P. Garczarek <sup>*1</sup> , J. Janczak <sup>2</sup> , <sup>1</sup> Wroclaw University of Technology, Poland, <sup>2</sup> Polish Academy of Science in Wroclaw, Poland
[C3.1.13]	S.	Gross	<b>Hexanuclear Zr oxocluster as SBU for the synthesis of a Zr(IV)-based MOF by ligand exchange: A proof of principle</b> S. Gross <sup>*1</sup> , C. Serre <sup>2</sup> , T. Devic <sup>2</sup> , M. Dan <sup>2</sup> , V. Guillerm <sup>2</sup> , A. Vittadini <sup>2</sup> , et al, <sup>1</sup> Università di Padova, Italy, <sup>2</sup> Universite de Versailles, France
[C3.1.14]	E.S.	Larrea	<b>Metal-organic nickel(II) hybrid vanadates</b> E.S. Larrea <sup>*</sup> , J.L. Mesa, J.L. Pizarro, M.I. Arriortua, T. Rojo, <i>Universidad del País Vasco/Euskal Herriko Unibertsitatea, Spain</i>
[C3.1.15]	T.	Loiseau	<b>Crystal chemistry of porous metal-organic framework materials incorporating aluminium and other p elements (gallium, indium)</b> T. Loiseau <sup>*</sup> , C. Volkringer, N. Guillou, et al, <i>Universite de Versailles, France</i>
[C3.1.16]	G.	Maurin	<b>Adsorption and co-adsorption in flexible metal organic framework materials: Molecular simulations compared to experiments</b> A. Ghoufi <sup>1</sup> , N. Rosenbach <sup>1</sup> , S. Bourrelly <sup>2</sup> , T. Devic <sup>3</sup> , C. Serre <sup>3</sup> , G. Maurin <sup>*1</sup> , et al, <sup>1</sup> Université Montpellier II, France, <sup>2</sup> Université de Provence, France, <sup>3</sup> Université de Versailles, France
[C3.1.17]	G	Maurin	<b>Diffusion of H<sub>2</sub>, CH<sub>4</sub>, and CO<sub>2</sub> in flexible metal-organic framework materials: Molecular dynamics compared to quasi-elastic neutron scattering</b> F. Salles <sup>1</sup> , H. Jobic <sup>2</sup> , N. Rosenbach <sup>1</sup> , P. Llewellyn <sup>3</sup> , G. Férey <sup>4</sup> , G. Maurin <sup>*1</sup> , et al, <sup>1</sup> Université Montpellier II, France, <sup>2</sup> IRCE Villeurbanne, France, <sup>3</sup> Université de Provence, France, <sup>4</sup> Université de Versailles, France
[C3.1.18]	J.L.	Mesa	<b>Organically templated magnetic phosphites</b> J.L. Mesa <sup>*</sup> , B. Bazan, J. Lago, J.L. Pizarro, M.I. Arriortua, T. Rojo, <i>UPV/EHU, Spain</i>
[C3.1.19]	P.	Phuengphai	<b>Framework engineering of Zn(II)/4,4'-bipy porous coordination polymers and carboxylate-regulator: Synthesis, structures and thermal properties</b> P. Phuengphai <sup>*1</sup> , J. Reedijk <sup>2</sup> , S. Youngme <sup>1</sup> , <sup>1</sup> Khon Kaen University, Thailand, <sup>2</sup> Leiden University, The Netherlands
[C3.1.20]	U.	Ravon	<b>MOF design for shape selective brosted acid catalysis</b> U. Ravon <sup>*1</sup> , M.E. Domine <sup>1</sup> , N. Bats <sup>2</sup> , G. Chaplais <sup>3</sup> , D. Farrusseng <sup>1</sup> , A. Simon-Masseron <sup>3</sup> , et al, <sup>1</sup> IRCELYON CNRS, France, <sup>2</sup> IFP-Lyon, France, <sup>3</sup> ENSCMu, France

[C3.1.21]	P.	Saint-Cricq	<b>Functional mesoporous films: Photoactivable films with oxidative properties</b> P. Saint-Cricq <sup>1,2</sup> , P. Pigot <sup>1,2</sup> , S. Lacombe <sup>1,2</sup> , L. Nicole <sup>1,3</sup> , C. Sanchez <sup>1,3</sup> , <sup>1</sup> CNRS, France, <sup>2</sup> Université de Pau et Pays de l'Adour, France, <sup>3</sup> Université Pierre et Marie Curie, France
[C3.1.22]	C.	Serre	<b>Thin film of flexible porous metal-organic-frameworks by dip-coating method</b> P. Horcajada <sup>1</sup> , C. Serre <sup>1</sup> , D. Grosso <sup>2</sup> , C. Boissière <sup>2</sup> , C. Sanchez <sup>2</sup> , S. Perruchas <sup>3</sup> , et al, <sup>1</sup> CNRS-Institut Lavoisier, France, <sup>2</sup> CNRS-UPMC, France, <sup>3</sup> CNRS-Polytechnique, France
[C3.1.23]	P.C.R.	Soares-Santos	<b>Photoluminescent lanthanide-organic frameworks with 2,3-pyrazinedicarboxylate</b> P.C.R. Soares-Santos*, L. Cunha-Silva, F.A.A. Paz, R.A.S. Ferreira, L.D. Carlos, H.I.S. Nogueira, et al, <i>University of Aveiro, Portugal</i>
<b>Symposium C - Zeolites</b>			
[C3.2.01]	Y.	Akdeniz	<b>The effect of microwave treatment on Ag<sup>+</sup> exchange of clinoptilolite-rich mineral and resulting antibacterial activity</b> Y. Akdeniz*, S. Ulku, <i>Izmir Institute of Technology, Turkey</i>
[C3.2.02]	A.E.	Awadallah	<b>Effect of combining the metals of group VI supported on H-ZSM-5 Zeolite as catalysts for non-oxidative conversion of natural gas to petrochemicals</b> A.K. Aboul-Gheit, A.E. Awadallah*, <i>Egyptian Petroleum Research Institute, Egypt</i>
[C3.2.03]	S.M.	Axinte	<b>The adsorption of ammonia aqueous solutions of synthetic zeolite type A and X loaded with transition metal ions</b> S.M. Axinte <sup>1</sup> , I. Cernica <sup>2</sup> , V. Schiopu <sup>2</sup> , <sup>1</sup> Scientific and Technological Park for Micro and Nanotechnologies, Romania, <sup>2</sup> IMT Bucharest, Romania
[C3.2.04]	B.	Bardakçi	<b>Isomer effects for adsorption of aminothiophenols on synthetic zeolites</b> B. Bardakçi <sup>1</sup> , N. Kaya <sup>2</sup> , <sup>1</sup> Mehmet Akif Ersoy University, Turkey, <sup>2</sup> Suleyman Demirel University, Turkey
[C3.2.05]	A.	Bonilla	<b>Toward functional clathrasils: Size and composition-controlled octadecasil nanocrystals by desilication</b> A. Bonilla <sup>1</sup> , S. Abelló <sup>1</sup> , L.A. Villaescusa <sup>2</sup> , J. Pérez-Ramírez <sup>1,3</sup> , <sup>1</sup> Institute of Chemical Research of Catalonia, Spain, <sup>2</sup> Universidad Politécnica de Valencia, Spain, <sup>3</sup> Catalan Institution for Research and Advanced Studies, Spain
[C3.2.06]	B.	Brühwiler	<b>Phthalocyanine-based stopcocks for organised dye-zeolite materials</b> L.Q. Dieu <sup>1</sup> , G. Calzaferri <sup>2</sup> , D. Brühwiler <sup>1</sup> , <sup>1</sup> University of Zürich, Switzerland, <sup>2</sup> University of Bern, Switzerland
[C3.2.07]	D.	Chakraborty	<b>Synthesis, characterization and catalytic study of ZrAPO-41 with AFO framework</b> D. Chakraborty <sup>1</sup> , C.V.V. Satyanarayana <sup>2</sup> , J.N. Ganguli <sup>3</sup> , <sup>1</sup> B.N. College, India, <sup>2</sup> National Chemical Laboratory, India, <sup>3</sup> Gauhati University, India
[C3.2.08]	L.C.	de Ménorval	<b>Absorption of drugs - surfactants on modified natural clinoptilolite</b> T. Fariás <sup>1</sup> , L.C. de Ménorval <sup>2,1</sup> , J. Zajac <sup>2</sup> , A. Rivera <sup>1</sup> , <sup>1</sup> University of Havana, Cuba, <sup>2</sup> Université Montpellier II, France
[C3.2.09]	J.	Dedecek	<b>Al siting and distribution in ferrierite: Combined multispectroscopic and QM/MM study</b> J. Dedecek <sup>1</sup> , S. Sklenak <sup>1</sup> , C.H. Li <sup>1</sup> , M. Cubova-Urbanova <sup>1</sup> , J. Sauer <sup>2</sup> , <sup>1</sup> Academy of Sciences of the Czech Republic, Czech Republic, <sup>2</sup> The Humboldt University of Berlin, Germany
[C3.2.10]	P.	Esfahani	<b>Nano grease</b> P. Esfahani, <i>Techno Ahrom Engineering Group, Iran</i>
[C3.2.11]	V.	Felice	<b>Functionalized zeolites as fuel cell electrolytes</b> V. Felice*, A. Tavares, <i>Institut National de la Recherche Scientifique, Canada</i>
[C3.2.12]	A.	Guenet	<b>Towards the insertion of triplet emitters into zeolites L: Potential use in light-emitting devices</b> A. Guenet*, F. Cucinotta, L. De Cola, <i>Westfälische Wilhelms Universität Münster, Germany</i>
[C3.2.13]	S.	Teekasap	<b>Synthesis of zeolite A from by-product from aluminium etching process: Effects of reaction temperature and reaction time on pore volume</b> K. Hussaro, N. Somsuk, T. Wessapan, S. Teekasap*, <i>Eastern Asia University, Thailand</i>
[C3.2.14]	J.	Jiang	<b>Equilibrium and kinetic studies of the adsorption of dibenzylthiophene using NaY zeolite as the adsorbent</b> J. Jiang <sup>1,2</sup> , F.T.T. Ng <sup>2</sup> , <sup>1</sup> Beijing Research Institute of Chemical Industry, China, <sup>2</sup> University of Waterloo, Canada
[C3.2.15]	A.S.	Kovo	<b>Synthesis and characterization of zeolite NaA from ahoko Nigeria kaolin using novel dehydroxylation technique</b> A.S. Kovo*, S.M. Holmes, <i>The University of Manchester, UK</i>
[C3.2.16]	---	---	<b>Paper Withdrawn</b>
[C3.2.17]	N.	Loganathan	<b>Molecular simulation of water and P-cresol in MFI zeolite and their energetics: A Monte Carlo study</b> N. Loganathan*, B. Pascal, K. Bogdan, D. Berge-Lefranc, O. Schaefer, R. Denoyel, et al, <i>University of Provence, Aix-Marseille I, France</i>

[C3.2.18]	A.T.	Massenova	<b>Physico-chemical modification of natural zeolite and use in catalytic processes</b> A.T. Massenova*, A.S. Zhumakanova, A.Z. Abilmagzhanov, D.V. Sokolski <i>Institute of Organic Catalysis &amp; Electrochemistry, Kazakhstan</i>
[C3.2.19]	E.E.	McLeary	A new method to prepare microporous membranes E.E. McLeary* <sup>2</sup> , J.C. Jansen <sup>1</sup> , F. Kapteijn <sup>1</sup> , <sup>1</sup> <i>Technical University of Delft, The Netherlands</i> , <sup>2</sup> <i>University of Stellenbosch, South Africa</i>
[C3.2.20]	---	---	Paper Withdrawn
[C3.2.21]	P.	Sazama	<b>Dynamic behaviour of silver ionic species with sensing and catalytic properties in high silica zeolites</b> P. Sazama*, J. Dedecek, H. Jirglova, <i>Academy of Sciences of the Czech Republic, Czech Republic</i>
[C3.2.22]	Y.	You	<b>Preparation of the zeolite sheets and honeycomb adsorbent for carbon dioxide adsorption</b> Y. You* <sup>1</sup> , H. Kim <sup>1</sup> , R. Singh <sup>2</sup> , P. Xiao <sup>2</sup> , P.A. Webley <sup>2</sup> , A.L. Chaffee <sup>2</sup> , <sup>1</sup> <i>Korea Institute of Energy Research, Korea</i> , <sup>2</sup> <i>Monash University, Australia</i>

