

Title	Author	Document Type	Full Journal Title	Volume	Issue	Page	Year
<b>Badia, Antonella</b>							
Influence of the Anion on the Structure of Bis(methylthio)methane Supramolecular Coordination Towards the controlled assembly of nanomaterials and nanomechanical actuation using charge transfer reactions in electroactive self-assembled	Awaleh, Mohamed Osman; Badia, Antonella; Brisse, Francois.	Journal	Crystal Growth & Design	6	12	2674-2685	2006
Probing the stability of biocompatible sodium hyaluronate/chitosan nanocoatings against changes in Layer-by-layer films constructed by the assembly of strong polyelectrolytes and their hydrophobically-modified derivatives.	Norman, Lana L.; Badia, Antonella.	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 232nd ACS National Meeting, San Francisco, CA, United States, Sept. 10-14, 2006			COLL-311	2006
Decoupled gel to fluid phase transitions in supported phospholipid bilayers.	Kujawa, Piotr; Sanchez, Jacqueline; Badia, Antonella; Winnik, Francoise M.	Journal	Journal of Nanoscience and Nanotechnology	6	6	1565-1574	2006
Synthesis and Characterization of Silver(I) Coordination Networks Bearing Flexible Thioethers: Anion versus Ligand Dominated	Kujawa, Piotr; Beauperin, Mattieu; Coursol-Tellier, M.-A.; Sanchez, Jacqueline; Morishima, Yotaro; Badia, Antonella; Winnik, Badia, Antonella; Goren, Michal.	Conference; Meeting Abstract; Computer Optical Disk		69HYEC			2006
Photomechanical Surface Patterning in Azo-Polymer	Awaleh, Mohamed Osman; Badia, Antonella; Brisse, Francois; Bu, Xian-He.	Journal	Inorganic Chemistry	45	4	1560-1574	2006
<b>Chris Barrett</b>							
Photomechanical Effects in Azo-Polymers Studied by Neutron Reflectometry.	Yager, Kevin G.; Barrett, Christopher J..	Journal	Macromolecules	39	26	9320-9326	2006
Novel photo-switching using azobenzene functional materials.	Yager, Kevin G.; Tanchak, Oleh M.; Godbout, Chris; Fritzsche, Helmut; Barrett, Christopher J..	Journal; General Review	Journal of Photochemistry and Photobiology, A: Chemistry	182	3	250-261	2006

Temperature-controlled neutron reflectometry sample cell suitable for study of photoactive thin films.	Yager, Kevin G.; Tanchak, Oleh M.; Barrett, Christopher J.; Watson, Mike J.; Fritzsche, Helmut.	Journal	Review of Scientific Instruments	77	4		2006
Water Distribution in Multilayers of Weak Polyelectrolytes.	Tanchak, Oleh M.; Yager, Kevin G.; Fritzsche, Helmut; Harroun, Thad; Katsaras, John; Barrett, Christopher	Journal	Langmuir	22	11	5137-5143	2006
Production of large, water-soluble intermediates from carbohydrate-derived compounds by sequential condensation/hydrogenation.	Chheda, Juben N.; Barrett, Christopher J.; Huber, George W.; Dumesic, James A.	Journal; Computer Optical Disk	Preprints of Symposia - American Chemical Society, Division of Fuel Chemistry	51	1	66-67	2006
Photoswitchable polymer coating development by controlled radical polymerization.	Ahmad, Nasir M.; Barrett, Christopher J..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			POLY-118	2006
Reversibly photoswitchable self-assembled polymer surfaces.	Ahmad, Nasir M.; Barrett, Christopher J..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			PMSE-445	2006
Production of large, water-soluble intermediates from carbohydrate-derived compounds by sequential condensation/hydrogenation.	Chheda, Juben N.; Barrett, Christopher J.; Huber, George W.; Dumesic, James A.	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			FUEL-028	2006
Renewable liquid alkanes from aqueous-phase processing of biomass-derived carbohydrates.	Huber, George W.; Chheda, Juben N.; Barrett, Christopher J.; Dumesic, James A.	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			COLL-466	2006
Reversibly photoswitchable self-assembled polymer surfaces.	Ahmad, Nasir M.; Barrett, Christopher J..	Journal; Computer Optical Disk	PMSE Preprints	94		753-754	2006
Photoswitchable polymer coating development by controlled radical polymerization.	Ahmad, Nasir M.; Barrett, Christopher J..	Journal; Computer Optical Disk	Polymer Preprints (American Chemical Society, Division of Polymer Chemistry)	47	1	210-211	2006

**Geraldine Bazuin**

Thermotropism in Tail-End (Dimethylamino)pyridinium Polymethacrylates with Bromine and Octylsulfonate Counterions. A Study of the Supramolecular Approach in Controlling Diblock Copolymer Nanopatterning and Nanoporosity on Surfaces.	Vuillaume, Pascal Y.; Sallenave, Xavier; Bazuin, C. Geraldine.	Journal	Macromolecules	39	24	8339-8346	2006
Zinc coordination of carboxylate surf-mesogens to poly(4-vinylpyridine).	Laforgue, Alexis; Bazuin, C. Geraldine; Prud'homme, Robert E.	Journal	Macromolecules	39	19	6473-6482	2006
	Benouazzane, Mohamed; Bravo-Grimaldo, Elda; Bissessur, Rabin; Bazuin, C. <b>Gonzalo Cosa</b>	Journal	Macromolecules	39	16	5364-5370	2006
Evidence for Non-Two-State Kinetics in the Nucleocapsid Protein Chaperoned Opening of DNA Hairpins.	Cosa, Gonzalo; Zeng, Yining; Liu, Hsiao-Wei; Landes, Christy F.; Makarov, Dmitrii E.; Musier-Forsyth, Karin; <b>Christine DeWolf</b>	Journal	Journal of Physical Chemistry B	110	5	2419-2426	2006
Synthesis and characterization of a series of novel phenol- and polyphenol-based glycerolipids. Real-time monitoring of the ozonolysis of unsaturated organic monolayers.	Schmidt, Rolf; Carrigan, Joseph G.; DeWolf, Christine E.; Gonzalez-Labrada, Erick; Schmidt, Rolf; DeWolf, Christine E..	Journal	Canadian Journal of Chemistry	84	10	1411-1415	2006
	<b>Adi Eisenberg</b>	Journal	Chemical Communications (Cambridge, United Kingdom)		23	2471-2473	2006
Block copolymer micelles as delivery vehicles of hydrophobic drugs: micelle-cell interactions. Monolayer protected gold nanoparticles by self assembly of poly(ethylene oxide)-block-poly(ε-caprolactone) copolymer.	Savic, Radoslav; Eisenberg, Adi; Maysinger, Dusica.	Journal; General Review	Journal of Drug Targeting	14	6	343-355	2006
Multi-compartment aggregates: Supermicelles, compound micelles, compound or multi-lamellar vesicles and hollow hoods	Azzam, Tony; Eisenberg, Adi.	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 232nd ACS National Meeting, San Francisco, CA, United States, Sept. 10-14, 2006			POLY-490	2006
	Duxin, Nicolas; Eisenberg, Adi.	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 232nd ACS National Meeting, San Francisco, CA, United States, Sept. 10-14, 2006			POLY-247	2006

Monolayer protected gold nanoparticles by self assembly of poly(ethylene oxide)-block-poly(ε-caprolactone) copolymer.	Azzam, Tony; Eisenberg, Adi.	Journal; Computer Optical Disk	Polymer Preprints (American Chemical Society, Division of Polymer Chemistry)	47	2	893-894	2006
Multi-compartment aggregates: supermicelles, compound micelles, compound or multi-lamellar vesicles and hollow Assessment of the Integrity of Poly(ε-caprolactone)-b-poly(ethylene oxide) Micelles under Biological Conditions: A Fluorogenic-Based Approach	Duxin, Nicolas; Eisenberg, Adi.	Journal; General Review; Computer Optical Disk	Polymer Preprints (American Chemical Society, Division of Polymer Chemistry)	47	2	761-762	2006
Proton Diffusion across Membranes of Vesicles of Poly(styrene-b-acrylic Acid) Self-Assembly of Mixtures of Block Copolymers of Poly(styrene-b-acrylic acid) with Random Copolymers of Poly(styrene-co-	Savic, Radoslav; Azzam, Tony; Eisenberg, Adi; Maysinger, Dusica.	Journal	Langmuir	22	8	3570-3578	2006
	Wu, Jun; Eisenberg, Adi.	Journal	Journal of the American Chemical Society	128	9	2880-2884	2006
	Liu, Xiaoya; Wu, Jun; Kim, Joon-Seop; Eisenberg, Adi.	Journal	Langmuir	22	1	419-424	2006
<b>Suzanne Giasson</b>							
DPD Simulation of conformation and behavior of end-grafted Diblock Copolymer under compression and shear.	Sirchabesan, Mohan; Giasson, Suzanne.	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			COLL-496	2006
<b>Michel Grandbois</b>							
G-protein-coupled receptors signaling at the cell nucleus: an emerging paradigm.	Gobeil, Fernand, Jr.; Fortier, Audrey; Zhu, Tang; Bossolasco, Michela; Leduc, Martin; Grandbois, Michel; Heveker, Nikolaus; Bkaily, Ghassan; Chemtob, Sylvain; Barbaz, David	Journal; General Review	Canadian Journal of Physiology and Pharmacology	84	03-Apr	287-297	2006
<b>Derek Gray</b>							
Friction and forces between cellulose model surfaces: A comparison.	Stiernstedt, Johanna; Nordgren, Niklas; Wagberg, Lars; Brumer, Harry; Gray, Derek G.; Rutland, Mark W.	Journal	Journal of Colloid and Interface Science	303	1	117-123	2006

Induced phase separation in cellulose nanocrystal suspensions containing ionic dye species.	Beck-Candanedo, Stephanie; Viet, David; Gray, Derek G..	Journal	Cellulose (Dordrecht, Netherlands)	13	6	629-635	2006
Induced Phase Separation in Low-Ionic-Strength Cellulose Nanocrystal Suspensions Containing High-Molecular-Morphological and optical characterization of polyelectrolyte multilayers incorporating nanocrystalline	Beck-Candanedo, Stephanie; Viet, David; Gray, Derek G..	Journal	Langmuir	22	21	8690-8695	2006
Magneto-science: Materials Processing and Separation under Magnetic Fields. (Symposium held 15-20 December 2005 in Honolulu, Hawaii.) In: Sci. Self-assembly of cellulose nanocrystals: parabolic focal conic films.	Cranston, Emily D.; Gray, Derek G..	Journal	Biomacromolecules	7	9	2522-2530	2006
	Kimura, Tsunehisa; Gray, Derek G.; Hafeli, Urs O.; Editors.	Book				91 pp.	2006
	Gray, Derek G.; Roman, Maren.	Journal	ACS Symposium Series	938	Cellulose Nanocomposites	26-32	2006
Parabolic focal conics in solid films of cellulose nanocrystals.	Roman, Maren; Gray, Derek G..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			CELL-099	2006
Induced phase separation in ordered cellulose nanocrystal suspensions.	Beck-Candanedo, Stephanie; Viet, David; Gray, Derek G..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			CELL-089	2006
Chiral properties of cellulose.	Gray, Derek G..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			CELL-065	2006
Surface Forces Measurements of Spin-Coated Cellulose Thin Films with Different Crystallinity.	Notley, Shannon M.; Eriksson, Malin; Wgberg, Lars; Beck, Stephanie; Gray, Garry Hanan	Journal	Langmuir	22	7	3154-3160	2006

Mono- and oligo-ruthenium(II) complexes of tridentate ligands. The multichromophore approach: prolonged room-temperature luminescence lifetimes in Ru(II) complexes based on tridentate polypyridine ligands.	Hanan, Garry S.; Wang, Jianhua; Fang, Yuan-Qing; Bourget-Merle, Laurence; Polson, Matthew I. J.; Hanan, Garry S.; Juris, Alberto; Loiseau, Frederique; Campagna Hanan, Garry S..	Journal	Spectrum (Bowling Green, OH, United States) Inorganic Chemicals and Reactions	19	3	24-27	2006
Room-temperature luminescent mono- and oligo-nuclear Ru(II) complexes of tridentate ligands.	Hanan, Garry S..	Conference; Meeting Abstract	Abstracts, 35th Northeast Regional Meeting of the American Chemical Society, Binghamton, NY, United States, October 5-7		CAN 146:197 070	78-7	NRM-494 2006
Convenient one-pot procedures for the synthesis of 2,2':6',2''-terpyridine.	Cooke, Michael W.; Wang, Jianhua; Theobald, Isabelle; Hanan, Garry S..	Journal	Synthetic Communications	36	12	1721-1726	2006
Synthesis and properties of mono- and oligo-nuclear Ru(II) complexes of tridentate ligands: The quest for long-lived excited states at room temperature	Medlycott, Elaine A.; Hanan, Garry S..	Journal; General Review	Coordination Chemistry Reviews	250	13+14	1763-1782	2006
Synthesis and properties of Re(I) tricarbonyl complexes of 6,6'-disubstituted-4,4'-bipyrimidines with high energy excited states suitable for incorporation into Bridging ligand planarity as a route to long-lived, near infrared emitting dinuclear ruthenium(II) complexes.	Ioachim, Elena; Medlycott, Elaine A.; Hanan, Garry S..	Journal	Inorganica Chimica Acta	359	9	2599-2607	2006
Synthesis and properties of red emitter Ru(II) complexes based on 6,6'-disubstituted-4,4'-bipyrimidine.	Polson, Matthew I. J.; Loiseau, Frederique; Campagna, Sebastiano; Hanan, Garry S.; Ioachim, Elena; Medlycott, Elaine A.; Hanan, Garry S.; Loiseau, Frederique; Campagna, Sebastiano.	Journal	Chemical Communications (Cambridge, United Kingdom)		12	1301-1303	2006
	<b>Ashok Kakkar</b>						
Influence of interfacial features in the supramolecular assembly of 3,5-dihydroxybenzylalcohol based dendrimers on Si/SiO2 surfaces.	Vassilieff, Tatiana; Quist, Florence; Kakkar, Ashok.	Journal	Journal of Colloid and Interface Science	297	2	455-464	2006

<b>Michel Lafleur</b>							
Characterization and in vitro evaluation of spherulites as sequestering vesicles with potential application in drug	Dhanikula, Anand Babu; Lafleur, Michel; Leroux, Jean-Christophe.	Journal	Biochimica et Biophysica Acta, Biomembranes	1758	11	1787-1796	2006
Isothermal titration calorimetric study of calcium association to lipid bilayers: influence of the vesicle preparation and	Arseneault, Marjolaine; Lafleur, Michel.	Journal	Chemistry and Physics of Lipids	142	01-Feb	84-93	2006
<b>Bruce Lennox</b>							
4-(N,N-Dimethylamino)pyridine-Protected Au Nanoparticles: Versatile Precursors for Water- and Organic-Soluble Gold	Rucareanu, Simona; Gandubert, Valerie J.; Lennox, R. Bruce.	Journal	Chemistry of Materials	18	19	4674-4680	2006
Uniform one-dimensional arrays of tunable gold nanoparticles with tunable interparticle	Corbierre, Muriel K.; Beerens, Jean; Beauvais, Jacques; Lennox, R. Bruce.	Journal	Chemistry of Materials	18	11	2628-2631	2006
Surface Plasmon Resonance Spectroscopy Study of Electrostatically Adsorbed Layers.	Gandubert, Valerie J.; Lennox, R. Bruce.	Journal	Langmuir	22	10	4589-4593	2006
Electric Field Driven Protonation/Deprotonation of Self-Assembled Monolayers of Acid-Terminated Thiols.	Burgess, Ian; Seivewright, Brian; Lennox, R. Bruce.	Journal	Langmuir	22	9	4420-4428	2006
Ferrocenylalkylthiolates as a Probe of Heterogeneity in Binary Self-Assembled Monolayers on Gold.	resp. Use of this method to better understand SAM structure is demonstrated by distinguishing the degree of homogeneity in two binary SAMs of similar composition. [on SciFinder (R)]		Langmuir	22	9	4438-4444	2006
Place Exchange Reactions of Alkyl Thiols on Gold Nanoparticles.	Kassam, Adil; Bremner, Glen; Clark, Brad; Ulibarri, Gerardo; Lennox, R. Bruce.	Journal	Journal of the American Chemical Society	128	11	3476-3477	2006
Adsorption of Alkylthiol-Capped Gold Nanoparticles onto Alkylthiol Self-Assembled	Goren, Michal; Galley, Natalie; Lennox, R. Bruce.	Journal	Langmuir	22	3	1048-1054	2006
<b>Janine Mauzeroll</b>							

Scanning Electrochemical Microscopy of the Photosynthetic Reaction Center of Rhodobacter sphaeroides in Different	Longobardi, Francesco; Cosma, Pinalysa; Milano, Francesco; Agostiano, Angela; Mauzeroll. Janine: <b>Christian Pellerin</b>	Journal	Analytical Chemistry	78	14	5046-5051	2006
Highly Oriented Electrospun Fibers of Self-Assembled Inclusion Complexes of Poly(ethylene Time-Resolved Infrared Spectroscopic Studies of Poly(ethylene terephthalate) Deformation.	Liu, Yang; Pellerin, Christian. rather than the truly (all- trans) cryst. structure	Journal Departement de chimie,Universite de Montreal, Montreal OC, Can.	Macromolecules	39	26	8886-8888	2006
<b>Dmitrii Perepichka</b>							
Survival Skills for Scientists by Federico Rosei and Tudor	Perepichka, Dmitrii F..	Journal; Book Review	Science (Washington, DC, United States)	314	5803	1245	2006
The interplay of inverted redox potentials and aromaticity in the oxidized states of new pi-electron donors: 9-(1,3-dithiol-2- ylidene)fluorene and 9-(1,3- dithiol-2-ylidene)thioxanthene	Amriou, Samia; Wang, Changsheng; Batsanov, Andrei S.; Bryce, Martin R.; Perepichka, Dmitrii F.; Orti, Enrique; Viruela, Rafael; Vidal-Gancedo, Jose; Rovira	Journal	Chemistry--A European Journal	12	12	3389-3400	2006
Periodicity in Linear Hydrogen- Bonded Assemblies of Trimesic Acid on Surfaces.	Nath, Krishna G.; Ivashenko, Oleksandr; Miwa, Jill A.; Dang, Hung; Wuest, James D.; Nanci, Antonio; Perepichka, Dmitrii F.;	Journal	Journal of the American Chemical Society	128	13	4212-4213	2006
Rectifying Diodes from Asymmetrically Functionalized Single-Wall Carbon Nanotubes. Silicon nanotubes.	Wei, Zhong; Kondratenko, Mykola; Dao, Le H.; Perepichka, Dmitrii F.. Perepichka, Dmitrii F.;	Journal Journal; General Review	Journal of the American Chemical Society Small	128	10	3134-3135	2006
<b>Robert Prud'Homme</b>							
Thickness dependence of free- standing thin films.	Guerin, Gerald; Prud'Homme, Robert E..	Journal	Journal of Polymer Science, Part B: Polymer Physics	45	1	Oct-17	2006
Crystallization of poly(e- caprolactone)/poly(vinyl chloride) miscible blends under strain: the role of molecular weight.	Zhang, Yubao; Prud'homme, Robert E..	Journal	Macromolecular Rapid Communications	27	18	1565-1571	2006



A Study of the Supramolecular Approach in Controlling Diblock Copolymer Nanopatterning and Nanoporosity on Surfaces.	Laforgue, Alexis; Bazuin, C. Geraldine; Prud'homme, Robert E..	Journal	Macromolecules	39	19	6473-6482	2006
Chirality Information Transfer in Polylactides: From Main-Chain Chirality to Lamella Curvature.	Maillard, Damien; Prud'homme, Robert E..	Journal	Macromolecules	39	13	4272-4275	2006
<b>Linda Reven</b>							
19F Fast Magic-Angle Spinning NMR Studies of Perfluoroalkanoic Acid Self-Assembled Monolayers.	Pawsey, Shane; Reven, Linda.	Journal	Langmuir	22	3	1055-1062	2006
<b>Alejandro Rey</b>							
Modelling of Bloch inversion wall defects in nematic thin films.	De Luca, G.; Rey, A. D..	Journal	Modelling and Simulation in Materials Science and Engineering	14	8	1397-1407	2006
Biomimetics of spider silk spinning process.	De Luca, G.; Rey, A. D..	Journal	WIT Transactions on Ecology and the Environment	87		127-136	2006
Texture control strategies for flow-aligning liquid crystal polymers.	Greco, Dana; Rey, Alejandro D..	Journal	Journal of Non-Newtonian Fluid Mechanics	139	3	197-208	2006
Multiscale theory and simulation for carbon fibre precursors based on carbonaceous mesophases.	Greco, D.; de Andrade Lima, L. R. P.; Rey, A. D..	Journal	Plastics, Rubber and Composites	35		276-286	2006
Linear viscoelasticity of textured carbonaceous mesophases.	Lima, Luiz Rogerio P. de Andrade; Rey, Alejandro D..	Journal	Journal of the Brazilian Chemical Society	17	6	1109-1116	2006
Optical modeling of liquid crystal biosensors.	Hwang, Dae Kun; Rey, Alejandro D..	Journal	Journal of Chemical Physics	125	17	174902/1-174902/9	2006
Computational thermodynamics of multiphase polymer-liquid crystal materials.	Das, Susanta K.; Rey, Alejandro D..	Journal	Computational Materials Science	38	2	325-339	2006
Polar fluid model of viscoelastic membranes and interfaces.	Rey, Alejandro D..	Journal	Journal of Colloid and Interface Science	304	1	226-238	2006
Microscopic Observations and Simulations of Bloch Walls in Nematic Thin Films.	Zhou, Jian; Park, Jung O.; De Luca, Gino; Rey, Alejandro D.; Srinivasarao, Mohan.	Journal	Physical Review Letters	97	15	157801/1-157801/4	2006
Magnetic field-induced shape transitions in multiphase polymer-liquid crystal blends.	Das, Susanta K.; Rey, Alejandro D..	Journal	Macromolecular Theory and Simulations	15	6	469-486	2006

Liquid crystal model of membrane flexoelectricity.	Rey, Alejandro D..	Journal	Physical Review E: Statistical, Nonlinear, and Soft Matter Physics	74		011710/1-011710/11	2006
Electroviscous sphere-wall interactions.	Tabatabaei, S. M.; van de Ven, T. G. M.; Rey, A. D..	Journal	Journal of Colloid and Interface Science	301	1	291-301	2006
Superposition principles for small amplitude oscillatory shearing of nematic mesophases.	Andrade Lima, L. R. P.; Rey, A. D..	Journal	Rheologica Acta	45	5	601	2006
Superposition principles for small amplitude oscillatory shearing of nematic mesophases.	De Andrade Lima, L. R. P.; Rey, A. D..	Journal	Rheologica Acta	45	5	591-600	2006
Interfacial nematodynamics of heterogeneous curved isotropic-nematic moving fronts.	Wincure, Benjamin; Rey, Alejandro D..	Journal	Journal of Chemical Physics	124	24	244902/1-244902/13	2006
Back-flow and flow-alignment in pulsatile flows of Leslie-Ericksen liquid crystals.	de Andrade Lima, L. R. P.; Rey, A. D..	Journal	Liquid Crystals	33	6	711-722	2006
Integrated linear and nonlinear viscoelasticity of discotic liquid crystals.	De Andrade Lima, L. R. P.; Rey, A. D..	Journal	Chemical Engineering Communications	193	9	1090-1109	2006
Dynamic interactions between nematic point defects in the spinning extrusion duct of Pulsatile flows of Leslie-Ericksen liquid crystals.	De Luca, Gino; Rey, Alejandro D..	Journal	Journal of Chemical Physics	124	14	144904/1-144904/8	2006
	de Andrade Lima, L. R. P.; Rey, A. D..	Journal	Journal of Non-Newtonian Fluid Mechanics	135	1	32-45	2006
Anisotropic Fluctuation Model for Surfactant-Laden Liquid-Liquid Crystal Interfaces.	Rey, Alejandro D..	Journal	Langmuir	22	8	3491-3493	2006
Electroviscous cylinder-wall interactions.	Tabatabaei, S. M.; Van de Ven, T. G. M.; Rey, A. D..	Journal	Journal of Colloid and Interface Science	295	2	504-519	2006
Computational studies of optical textures of twist disclination loops in liquid-crystal films by using the finite-difference time-Mechanical Model for Anisotropic Curved Interfaces with Applications to Surfactant-Laden Liquid-Liquid Crystal Interfaces.	Hwang, Dae Kun; Rey, Alejandro D..	Journal	Journal of the Optical Society of America A: Optics, Image Science, and Vision	23	2	483-496	2006
	Rey, Alejandro D..	Journal	Langmuir	22	1	219-228	2006

Microscopic observations and simulations of Bloch walls in nematic thin films	Zhou Jian; Park Jung O; De Luca Gino; Rey Alejandro D; Srinivasarao Mohan	Journal; Article; (JOURNAL ARTICLE)	Physical review letters	97	15	157801	2006
Optical modeling of liquid crystal biosensors	Hwang Dae Kun; Rey Alejandro D	Journal; Article; (JOURNAL ARTICLE); (RESEARCH SUPPORT, NON-UNIVERSITY)	The Journal of chemical physics	125	17	174902	2006
Liquid crystal model of membrane flexoelectricity	Rey Alejandro D	Journal; Article; (JOURNAL ARTICLE)	Physical review. E, Statistical, nonlinear, and soft matter physics	74	1 Pt 1	11710	2006
Interfacial nematodynamics of heterogeneous curved isotropic-nematic moving fronts	Wincure Benjamin; Rey Alejandro D	Journal; Article; (JOURNAL ARTICLE)	The Journal of chemical physics	124	24	244902	2006
Dynamic interactions between nematic point defects in the spinning extrusion duct of spiders	De Luca Gino; Rey Alejandro D	Journal; Article; (JOURNAL ARTICLE)	The Journal of chemical physics	124	14	144904	2006
<b>Federico Rosei</b>							
Patterning of functional materials by pulsed laser deposition through nanostencils.	Cojocar, Cristian-Victor; Harnagea, Catalin; Pignolet, Alain; Rosei, Federico.	Conference	IEEE Conference on Emerging Technologies--Nanoelectronics, Singapore, Singapore, Jan. 10-13, 2006			283-288	2006
Alloying of self-organized semiconductor 3D islands.	Ratto, Fulvio; Costantini, Giovanni; Rastelli, Armando; Schmidt, Oliver G.; Kern. Klaus; Rosei. Riabinina, D.; Rosei, F.; Chaker, M.	Journal; General Review	Journal of Experimental Nanoscience	1		279-305	2006
Structural properties of Ge nanostructured films synthesized by laser ablation.	Riabinina, D.; Rosei, F.; Chaker, M.	Journal	Journal of Experimental Nanoscience	1		83-89	2006
Ordered assembly of alpha -quinquethiophene on a copper oxide nanotemplate.	Cicoira, Fabio; Miwa, Jill A.; Melucci, Manuela; Barbarella, Giovanna; Rosei. Riabinina, Daria; Chaker, Mohamed; Rosei, Federico.	Journal	Small	2	11	1366-1371	2006
Correlation between plasma dynamics and porosity of Ge films synthesized by pulsed laser		Journal	Applied Physics Letters	89	13	131501/1-131501/3	2006

Characterization of a bioactive nanotextured surface created by controlled chemical oxidation of titanium.	capable of selectively influencing cell behavior. [on SciFinder (R)]"		Surf. Sci.	600	19	4613-4621	2006
From our readers: Reform science? First, reset the economy.	Rosei, Federico.	Journal	Nature Materials	5	10	757-758	2006
Nucleation and growth of Si nanocrystals in an amorphous SiO2 matrix.	Riabinina, Daria; Durand, Christophe; Margot, Joelle; Chaker, Mohamed; Botton, Gianluigi A.; Rosei, Federico.	Journal	Physical Review B: Condensed Matter and Materials Physics	74	7	075334/1-075334/7	2006
Mixed monolayer protected nanoparticles.	Jackson, Alicia M.; Miwa, Jill; Rosei, Federico; Stellacci, Francesco.	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 232nd ACS National Meeting, San Francisco, CA, United States, Sept. 10-14, 2006			POLY-637	2006
Low temperature scanning tunneling microscopy images of 'rippled' mixed monolayer protected nanoparticles.	Jackson, Alicia M.; Miwa, Jill; Rosei, Federico; Stellacci, Francesco.	Journal; Computer Optical Disk	Polymer Preprints (American Chemical Society, Division of Polymer Chemistrv)	47	2	864-865	2006
Exploring the catalytic activity of a noble metal: the Ag catalyzed ethylene epoxidation reaction.		Conference; General Review	Prop. Single Org. Mol. Cryst. Surf.				2006
Molecular electronics.	Stadler, Robert.	Conference; General Review	Properties of Single Organic Molecules on Crystal Surfaces			363-387	2006
Functionalization of semiconductor surfaces by organic layers: concerted cvcloadaddition versus stepwise	Bilic, Ante; Reimers, Jeffrey R.; Hush, Noel S.	Conference; General Review	Properties of Single Organic Molecules on Crystal Surfaces			333-360	2006
Molecular monolayers on silicon surfaces.	Lopinski, G. P.; Wayner, D. D. M.	Conference; General Review	Properties of Single Organic Molecules on Crystal Surfaces			287-331	2006
Mobility of complex organic species at metal surfaces.	Barth, Johannes V.	Conference; General Review	Properties of Single Organic Molecules on Crystal Surfaces			269-286	2006
Superlattices of atoms, molecules and islands.	Brune, H.	Conference; General Review	Properties of Single Organic Molecules on Crystal Surfaces			247-267	2006

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Synthesis of biomimetic triblock copolymers in mixed solvent systems via romp.	RNA	Journal; Computer Optical Disk	Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.)			0032-3934	2006
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A bridging model for the effects of a dual component flocculation system on the strength of fiber contacts in flocs of pulp fibers: Implications for control of naner	Cho, Byoung-Uk; Garnier, Gil; van de Ven, Theo G. M.; Perrier, Michel.	Journal	Colloids and Surfaces, A: Physicochemical and Engineering Aspects	287	01-Mar	117-125	2006
Molecular Orbital Studies of Gas-Phase Interactions between Complex Molecules.	Gaudreault, Roger; Whitehead, M. A.; Van de Ven, Theo G. M..	Journal	Journal of Physical Chemistry A	110	10	3692-3702	2006
<b>Jorge Vinals</b>							
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Orientation selection in lamellar phases by oscillatory shears.	Huang, Zhi-Feng; Vinals, Jorge.	Journal	Physical Review E: Statistical, Nonlinear, and Soft Matter Physics	73	06-Jan		2006
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Molecular Orbital Studies of Gas-Phase Interactions between Complex Molecules.	Gaudreault, Roger; Whitehead, M. A.; Van de Ven, Theo G. M.	Journal	Journal of Physical Chemistry A	110	10	3692-3702	2006



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Unified model of association-induced lower critical solution temperature phase separation and its application to solutions of telechelic poly(ethylene oxide) and of telechelic poly(N-Effects of polymer architecture and composition on the interfacial properties of temperature-responsive hydrophobically-modified poly(N-Facile and efficient one-pot transformation of RAFT polymer end groups via a mild aminolysis/Michael addition	Okada, Yukinori; Tanaka, Fumihiko; Kujawa, Piotr; Winnik, Francoise M..	Journal	Journal of Chemical Physics	125	24	244902/1-244902/11	2006
Temperature-Sensitive Properties of Poly(N-isopropylacrylamide) Mesoglobules Formed in Dilute Aqueous Solutions Heated above Their Demixing Point	Liu, Roger C. W.; Cantin, Sophie; Perrot, Francoise; Winnik, Francoise M..	Journal	Polymers for Advanced Technologies	17	09-Oct	798-803	2006
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Telechelic hydrophobically-modified poly-(N-isopropylacrylamides and poly-(2-isopropyl-2-oxazolines): Do they form multidomain polymeric	Kujawa, Piotr; Aseyev, Vladimir; Tenhu, Heikki; Winnik, Francoise M..	Journal	Macromolecules	39	22	7686-7693	2006
Temperature-dependence of the structure and association of cholesteryl-modified pullulan-poly-(N-isopropylacrylamide) hybrid nanogels.	Tiera, Marcio J.; Qiu, Xing-Ping; Bechaouch, Sofiane; Shi, Qin; Fernandes, Julio C.; Winnik, Francoise M..	Journal	Biomacromolecules	7	11	3151-3156	2006
Telechelic hydrophobically-modified poly-(N-isopropylacrylamides and poly-(2-isopropyl-2-oxazolines): do they form multidomain polymeric	Kujawa, Piotr; Obeid, Rodolphe; Qiu, Xing-Ping; Winnik, Francoise M..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 232nd ACS National Meeting, San Francisco, CA, United States, Sept. 10-14, 2006			POLY-286	2006
Temperature-dependence of the structure and association of cholesteryl-modified pullulan-poly-(N-isopropylacrylamide) hybrid nanogels.	Morimoto, Nobuyuki; Qiu, Xing-Ping; Winnik, Francoise M.; Akiyoshi, Kazunari.	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 232nd ACS National Meeting, San Francisco, CA, United States, Sept. 10-14, 2006			POLY-275	2006
Telechelic hydrophobically-modified poly-(N-isopropylacrylamides and poly-(2-isopropyl-2-oxazolines): do they form multidomain polymeric	Kujawa, Piotr; Obeid, Rodolphe; Qiu, Xing-Ping; Winnik, Francoise M..	Journal; Computer Optical Disk	Polymer Preprints (American Chemical Society, Division of Polymer Chemistry)	47	2	794-795	2006

Temperature-dependence of the structure and association of cholesteryl-modified pullulan-poly(N-isopropylacrylamide)	Morimoto, Nobuyuki; Qiu, Xing-Ping; Winnik, Francoise M.; Akiyoshi, Kazunari.	Journal; Computer Optical Disk	Polymer Preprints (American Chemical Society, Division of Polymer Chemistry)	47	2	201-202	2006
Probing the stability of biocompatible sodium hyaluronate/chitosan nanocoatings against changes in Chitosan nanoparticles for non-viral gene therapy.	Kujawa, Piotr; Sanchez, Jacqueline; Badia, Antonella; Winnik, Francoise M.. Fernandes, Julio C.; Tiera, Marcio Jose; Winnik, Francoise M..	Journal; General Review	Journal of Nanoscience and Nanotechnology ACS Symposium Series	6	6	1565-1574 177-200	2006 2006
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Temperature-Dependent Properties of Telechelic Hydrophobically Modified Poly(N-isopropylacrylamides) in Water: Evidence from Light Scattering and Fluorescence Spectroscopy for the Formation of Stable Layer-by-layer films constructed by the assembly of strong polyelectrolytes and their hydrophobically-modified Solution properties of hydrophobically modified phosphorylcholine-based polymers synthesized via RAFT polymerization.	Kujawa, Piotr; Tanaka, Fumihiko; Winnik, Françoise M..	Journal	Macromolecules	39	8	3048-3055	2006
depending on the level of substitution			Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, US	69HYEC			2006
Solution properties of hydrophobically modified phosphorylcholine-based polymers synthesized via RAFT polymerization.	Miyazawa, Kazuyuki; Busseron, Eric; Diab, Charbel; Winnik, Françoise M..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			COLL-418	2006
Mesoglobules of hydrophobically-modified telechelic poly(N-isopropylacrylamides) in water probed by light scattering, fluorescence spectroscopy, and	Kujawa, Piotr; Tanaka, Fumihiko; Winnik, Françoise M..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			COLL-414	2006
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Synthesis and spectroscopic characterization of fluorescently labeled hydrocarbon- and/or fluorocarbon-modified poly(sodium 2-acrylamido-2-methylpropanesulfonates)	Liu, Roger C. W.; Winnik, Francoise M..	Journal	Journal of Photochemistry and Photobiology, A: Chemistry	178	02-Mar	208-219	2006
Impact of End-Group Association and Main-Chain Hydration on the Thermosensitive Properties of Hydrophobically Modified Telechelic Poly(N-Characterization of folate-chitosan-DNA nanoparticles for gene therapy.	Kujawa, Piotr; Segui, Florence; Shaban, Sherry; Diab, Charbel; Okada, Yukinori; Tanaka, Fumihiko; Winnik, Francoise M.. Mansouri, Sania; Cuie, Yan; Winnik, Francoise; Shi, Qin; Lavigne, Patrick; Benderdour, Mohamed; Beaumont, Eric; Fernandes, Okada Yukinori; Tanaka Fumihiko; Kujawa Piotr; Winnik Francoise M	Journal	Macromolecules	39	1	341-348	2006
Unified model of association-induced lower critical solution temperature phase separation and its application to solutions of telechelic poly(ethylene oxide) and of telechelic poly(N-	Okada Yukinori; Tanaka Fumihiko; Kujawa Piotr; Winnik Francoise M	Journal; Article; (JOURNAL ARTICLE)	The Journal of chemical physics	125	24	244902	2006
<b>Yue Zhao</b>							
Fluorescent liquid-crystal gels with electrically switchable photoluminescence.	Tong, Xia; Zhao, Yue; An, Byeong-Kwan; Park, Soo Young.	Journal	Advanced Functional Materials	16	14	1799-1804	2006
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<b>Julian Zhu</b>							
Biodegradable polymers based on bile acids and potential biomedical applications.	Gautrot, J. E.; Zhu, X. X..	Journal; General Review	Journal of Biomaterials Science, Polymer Edition	17	10	1123-1139	2006
Main-chain bile acid based degradable elastomers synthesized by entropy-driven ring-opening metathesis	Gautrot, Julien E.; Zhu, X. X..	Journal	Angewandte Chemie, International Edition	45	41	6872-6874	2006
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by Using Quantum Dots as Thermosensitive poly(N-alkylacrylamide)s and block copolymers synthesized via RAFT polymerization.	Nguyen, Mv T.; Zhu, X. X.. Cao, Ya; Zhu, X. X..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			POLY-098	2006
Interaction of biotin-conjugated hydrogel nanospheres with streptavidin.	Colonne, Mathilde; Chen, Yilong; Freiberg, Stephen; Zhu, X. X..	Conference; Meeting Abstract; Computer Optical Disk	Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006			PMSE-056	2006
Interaction of biotin-conjugated hydrogel nanospheres with streptavidin.	Colonne, Mathilde; Chen, Yilong; Freiberg, Stephan; Zhu, X. X..	Journal; Computer Optical Disk	PMSE Preprints	94		85-86	2006
Thermosensitive poly(N-alkylacrylamide)s and block copolymers synthesized via RAFT polymerization.	Cao, Ya; Zhu, X. X..	Journal; Computer Optical Disk	Polymer Preprints (American Chemical Society, Division of Polymer Chemistry)	47	1	354-355	2006
Large uniform-sized polymer beads for use as solid-phase supports prepared by ascension	Zhu, X. X.; Zhang, J. H.; Gauthier, M.; Luo, J. T.; Meng, F. S.; Brisse, F.	Journal	Journal of Combinatorial Chemistry	8	1	79-84	2006





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