

Olivier Pc Diat

List of Publications by Year in descending order

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172
papers

8,269
citations

44042

48
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51562

86
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180
all docs

180
docs citations

180
times ranked

6798
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Size and structure of hexanuclear plutonium oxo-hydroxo clusters in aqueous solution from synchrotron analysis. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 30-36. | 1.0 | 5 |
| 2 | {2-Phases 2-reactions 1-catalyst} concept for the sustainable performance of coupled reactions. <i>Green Chemistry</i> , 2022, 24, 2516-2526. | 4.6 | 4 |
| 3 | Polymeric Surfactant P84/Polyoxometalate $\text{H}_2\text{PW}_{12}\text{O}_{40}$ A Model System to Investigate the Interplay between Chaotropic and Hydrophobic Effects. <i>Colloids and Interfaces</i> , 2022, 6, 16. | 0.9 | 6 |
| 4 | Why Local and Non-local Terms are Essential for Second Harmonic Generation Simulation?. <i>Physical Chemistry Chemical Physics</i> , 2022, , . | 1.3 | 3 |
| 5 | Counterion effect on Keggin polyoxometalates in water: The peculiar role of H^+ on their salting-in effect and co-assembly with organics. <i>Journal of Molecular Liquids</i> , 2022, 359, 119214. | 2.3 | 7 |
| 6 | Self-assembly of a short amphiphile in water controlled by superchaotropic polyoxometalates: $\text{H}_4\text{SiW}_{12}\text{O}_{40}$ vs. $\text{H}_3\text{PW}_{12}\text{O}_{40}$. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 347-357. | 5.0 | 19 |
| 7 | Superchaotropic nano-ions as foam stabilizers. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 141-147. | 5.0 | 16 |
| 8 | Deciphering second harmonic generation signals. <i>Chemical Science</i> , 2021, 12, 15134-15142. | 3.7 | 7 |
| 9 | Relevance of formation conditions to the size, morphology and local structure of intrinsic plutonium colloids. <i>Environmental Science: Nano</i> , 2020, 7, 2252-2266. | 2.2 | 13 |
| 10 | Highlights on the Binding of Cobalt(II) (Dicarbollide) with Glucose Units. <i>Chemistry - A European Journal</i> , 2020, 26, 13935-13947. | 1.7 | 16 |
| 11 | How Nanoions Act Like Ionic Surfactants. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8084-8088. | 7.2 | 39 |
| 12 | Synthesis and Characterization of a Chromo-Extractant to the Probe Liquid-Liquid Interface in a Solvent Extraction Process. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10916-10923. | 1.5 | 3 |
| 13 | How Nanoions Act Like Ionic Surfactants. <i>Angewandte Chemie</i> , 2020, 132, 8161-8165. | 1.6 | 33 |
| 14 | A thermodynamic model of non-ionic surfactants' micellization in the presence of polyoxometalates. <i>Journal of Molecular Liquids</i> , 2019, 293, 111280. | 2.3 | 8 |
| 15 | Aggregation of semifluorinated alkanes in cyclic organic solvents: A SAXS study. <i>Colloids and Interface Science Communications</i> , 2019, 31, 100189. | 2.0 | 2 |
| 16 | Investigation of the Structure of Concentrated NaOH Aqueous Solutions by Combining Molecular Dynamics and Wide-Angle X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5121-5130. | 1.2 | 11 |
| 17 | Confined Complexation Reaction of Metal Ions with a Lipophilic Surfactant at the Water/Air Interface: A New Understanding Based on Surface Experiments and Molecular Dynamics Simulations. <i>Langmuir</i> , 2019, 35, 4548-4556. | 1.6 | 7 |
| 18 | Nanoparticle foam flotation for caesium decontamination using a pH-sensitive surfactant. <i>Environmental Science: Nano</i> , 2019, 6, 1576-1584. | 2.2 | 11 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Probing the interactions among sphingosine and phytosphingosine ceramides with non- and alpha-hydroxylated acyl chains in skin lipid model membranes. <i>International Journal of Pharmaceutics</i> , 2019, 563, 384-394. | 2.6 | 7 |
| 20 | Self-Assembly of Short Chain Poly- <i>N</i> -isopropylacrylamid Induced by Superchaotropic Keggin Polyoxometalates: From Globules to Sheets. <i>Journal of the American Chemical Society</i> , 2019, 141, 6890-6899. | 6.6 | 49 |
| 21 | Aggregation in organic phases after solvent extraction of uranyl nitrate: X-ray scattering and molecular dynamic simulations. <i>Journal of Molecular Liquids</i> , 2019, 277, 22-35. | 2.3 | 26 |
| 22 | Combined molecular dynamics (MD) and small angle scattering (SAS) analysis of organization on a nanometer-scale in ternary solvent solutions containing a hydrotrope. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 623-633. | 5.0 | 23 |
| 23 | Ion foam flotation of neodymium: From speciation to extraction. <i>Journal of Molecular Liquids</i> , 2018, 253, 217-227. | 2.3 | 24 |
| 24 | Efficient liquid-liquid extraction of NaCl governed by simultaneous cation and anion coordination. <i>Desalination</i> , 2018, 432, 40-45. | 4.0 | 3 |
| 25 | Are Keggin™s POMs Charged Nanocolloids or Multicharged Anions?. <i>Langmuir</i> , 2018, 34, 2026-2038. | 1.6 | 44 |
| 26 | Polyoxometalates in the Hofmeister series. <i>Chemical Communications</i> , 2018, 54, 1833-1836. | 2.2 | 71 |
| 27 | Deciphering the role of the cation in anionic cobaltabisdicarbollide clusters. <i>Journal of Organometallic Chemistry</i> , 2018, 865, 214-225. | 0.8 | 33 |
| 28 | Separation and identification of polar polyphenols in oily formulation using high-performance thin-layer chromatography and mass spectroscopy techniques. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2018, 25, D506. | 0.6 | 4 |
| 29 | Polyoxometalate/Polyethylene Glycol Interactions in Water: From Nanoassemblies in Water to Crystal Formation by Electrostatic Screening. <i>Chemistry - A European Journal</i> , 2017, 23, 8434-8442. | 1.7 | 42 |
| 30 | Analysis of the second harmonic generation signal from a liquid/air and liquid/liquid interface. <i>Journal of Chemical Physics</i> , 2017, 146, 144701. | 1.2 | 7 |
| 31 | Micellization in vegetable oils: A structural characterisation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 154, 279-286. | 2.5 | 8 |
| 32 | Determination of the Structures of Uranyl-Tri-n-butyl-Phosphate Aggregates by Coupling Experimental Results with Molecular Dynamic Simulations. <i>Chemistry - A European Journal</i> , 2017, 23, 16660-16670. | 1.7 | 18 |
| 33 | Self-assembly of a bio-based extractant in methyl esters: combination of small angle X-ray scattering experiments and molecular dynamics simulations. <i>Green Chemistry</i> , 2017, 19, 4680-4689. | 4.6 | 1 |
| 34 | Solvent Extraction: Structure of the Liquid-Liquid Interface Containing a Diamide Ligand. <i>Angewandte Chemie</i> , 2016, 128, 9472-9476. | 1.6 | 7 |
| 35 | Solvent Extraction: Structure of the Liquid-Liquid Interface Containing a Diamide Ligand. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9326-9330. | 7.2 | 53 |
| 36 | Metal Recognition Driven by Weak Interactions: A Case Study in Solvent Extraction. <i>ChemPhysChem</i> , 2016, 17, 2112-2117. | 1.0 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Current Frontiers on Liquid-Liquid Interfaces Workshop. Neutron News, 2016, 27, 21-22. | 0.1 | 6 |
| 38 | How to explain microemulsions formed by solvent mixtures without conventional surfactants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4260-4265. | 3.3 | 160 |
| 39 | Nanostructuring in ethanol/ethanol/rapeseed oil automotive biofuels. Colloids and Interface Science Communications, 2016, 14, 1-3. | 2.0 | 13 |
| 40 | MHz Ultrasound Induced Roughness of Fluid Interfaces. Langmuir, 2016, 32, 10177-10183. | 1.6 | 4 |
| 41 | Soft templated mesoporous SiC from polycarbosilane grafted onto triblock copolymers. Materials Letters, 2016, 185, 424-427. | 1.3 | 8 |
| 42 | Small-angle scattering and morphologies of ultra-flexible microemulsions. Journal of Applied Crystallography, 2016, 49, 2063-2072. | 1.9 | 40 |
| 43 | Switchable self-assembly of Prussian blue analogs nano-tiles triggered by salt stimulus. Physical Chemistry Chemical Physics, 2016, 18, 3188-3196. | 1.3 | 12 |
| 44 | SHG techniques to investigate the surface and the bulk of aqueous solutions. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 45 | Influence of additives on the structure of surfactant-free microemulsions. Physical Chemistry Chemical Physics, 2015, 17, 32528-32538. | 1.3 | 34 |
| 46 | Surface Activity and Molecular Organization of Metallacarboranes at the Air-Water Interface Revealed by Nonlinear Optics. Langmuir, 2015, 31, 2297-2303. | 1.6 | 37 |
| 47 | Recycling metals by controlled transfer of ionic species between complex fluids: en route to recycling. Colloid and Polymer Science, 2015, 293, 1-22. | 1.0 | 70 |
| 48 | Elaboration of porous silicon carbide by soft templating molecular precursors with semi-fluorinated alkanes. Journal of Materials Chemistry A, 2015, 3, 3082-3090. | 5.2 | 19 |
| 49 | Water Dynamics in Nanoporous Alteration Layer Coming from Glass Alteration: An Experimental Approach. Journal of Physical Chemistry C, 2015, 119, 15982-15993. | 1.5 | 20 |
| 50 | Development of pharmaceutical clear gel based on Peceol®, lecithin, ethanol and water: Physicochemical characterization and stability study. Journal of Colloid and Interface Science, 2015, 457, 152-161. | 5.0 | 10 |
| 51 | Structure of a liquid/liquid interface during solvent extraction combining X-ray and neutron reflectivity measurements. Physical Chemistry Chemical Physics, 2015, 17, 15093-15097. | 1.3 | 45 |
| 52 | Toward surfactant-free and water-free microemulsions. Journal of Colloid and Interface Science, 2015, 453, 186-193. | 5.0 | 56 |
| 53 | Elaborating ordered silicon carbide nanorods by preceramic polymer nanocasting. RSC Advances, 2015, 5, 86156-86162. | 1.7 | 8 |
| 54 | Nanostructures in clear and homogeneous mixtures of rapeseed oil and ethanol in the presence of green additives. Colloid and Polymer Science, 2015, 293, 3225-3235. | 1.0 | 14 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Nanometer-Size Polyoxometalate Anions Adsorb Strongly on Neutral Soft Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20985-20992. | 1.5 | 91 |
| 56 | Comprehension of direct extraction of hydrophilic antioxidants using vegetable oils by polar paradox theory and small angle X-ray scattering analysis. <i>Food Chemistry</i> , 2015, 173, 873-880. | 4.2 | 26 |
| 57 | Second harmonic generation at liquid interface: molecular organization, supramolecular assemblies, and chirality. <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 0 |
| 58 | Elucidation of the Structure of Organic Solutions in Solvent Extraction by Combining Molecular Dynamics and X-ray Scattering. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5346-5350. | 7.2 | 52 |
| 59 | New insights into the extraction of uranium(VI) by an N,N-dialkylamide. <i>Molecular Physics</i> , 2014, 112, 1362-1374. | 0.8 | 44 |
| 60 | Effect of aging and alkali activator on the porous structure of a geopolymer. <i>Journal of Applied Crystallography</i> , 2014, 47, 316-324. | 1.9 | 66 |
| 61 | Emergence of surfactant-free micelles from ternary solutions. <i>Chemical Science</i> , 2014, 5, 2949-2954. | 3.7 | 94 |
| 62 | Water solubilization capacity of pharmaceutical microemulsions based on Peceol [®] , lecithin and ethanol. <i>International Journal of Pharmaceutics</i> , 2014, 475, 324-334. | 2.6 | 19 |
| 63 | Phase behavior of reverse microemulsions based on Peceol [®] . <i>Journal of Colloid and Interface Science</i> , 2014, 416, 139-146. | 5.0 | 25 |
| 64 | Measuring the specific surface area of mesoporous silica using x-ray scattering. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C599-C599. | 0.0 | 0 |
| 65 | Dynamics of Water Confined in Gel Formed During Glass Alteration at a Picosecond Scale. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 733-737. | 0.6 | 5 |
| 66 | Surfactant transfer across a water/oil interface: A diffusion/kinetics model for the interfacial tension evolution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 1103-1110. | 2.3 | 16 |
| 67 | Specific Salt and pH Effects on Foam Film of a pH Sensitive Surfactant. <i>Langmuir</i> , 2013, 29, 8472-8481. | 1.6 | 70 |
| 68 | How Do Anions Affect Self-Assembly and Solubility of Cetylpyridinium Surfactants in Water. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1345-1356. | 1.2 | 27 |
| 69 | Self-Assembly of Condensable α -Bola-Amphiphiles in Water/Tetraethoxysilane Mixtures for the Elaboration of Mesostructured Hybrid Materials. <i>Langmuir</i> , 2013, 29, 10368-10375. | 1.6 | 27 |
| 70 | Influence of Chain Length and Double Bond on the Aqueous Behavior of Choline Carboxylate Soaps. <i>Langmuir</i> , 2013, 29, 2506-2519. | 1.6 | 17 |
| 71 | Octanol-rich and water-rich domains in dynamic equilibrium in the pre-ouzo region of ternary systems containing a hydrotrope. <i>Journal of Applied Crystallography</i> , 2013, 46, 1665-1669. | 1.9 | 76 |
| 72 | Lyotropic Lamellar Phase Formed from Monolayered \uparrow -shaped Carborane ⁺ Cage Amphiphiles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12114-12118. | 7.2 | 105 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Lytotropic Lamellar Phase Formed from Monolayered Γ -Shaped Carborane-Cage Amphiphiles. <i>Angewandte Chemie</i> , 2013, 125, 12336-12340. | 1.6 | 39 |
| 74 | PalmitateLuciferin: A Molecular Design for the Second Harmonic Generation Study of Ion Complexation at the Air-Water Interface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7450-7456. | 1.5 | 14 |
| 75 | Liquid/liquid metal extraction: Phase diagram topology resulting from molecular interactions between extractant, ion, oil and water. <i>European Physical Journal: Special Topics</i> , 2012, 213, 225-241. | 1.2 | 39 |
| 76 | Structural Evolution during Geopolymerization from an Early Age to Consolidated Material. <i>Langmuir</i> , 2012, 28, 8502-8510. | 1.6 | 128 |
| 77 | Nitric acid extraction with monoamide and diamide monitored by second harmonic generation at the water/dodecane interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 413, 130-135. | 2.3 | 9 |
| 78 | Hydration of sugar based surfactants under osmotic stress: A SAXS study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 413, 92-100. | 2.3 | 16 |
| 79 | Influence of Extracted Solute on the Organization of a Monoamide Organic Solution. <i>Procedia Chemistry</i> , 2012, 7, 27-32. | 0.7 | 4 |
| 80 | Impact of Pore Size and Pore Surface Composition on the Dynamics of Confined Water in Highly Ordered Porous Silica. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7021-7028. | 1.5 | 59 |
| 81 | Evolution of Water Distribution in PEMFC during On/Off Cycling. <i>Fuel Cells</i> , 2012, 12, 156-161. | 1.5 | 12 |
| 82 | Kinetics of Triton-X100 Transfer Across the Water/Dodecane Interface: Analysis of the Interfacial Tension Variation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13152-13160. | 1.5 | 23 |
| 83 | Quantitative small-angle scattering on mesoporous silica powders: from morphological features to specific surface estimation. <i>Journal of Applied Crystallography</i> , 2012, 45, 662-673. | 1.9 | 24 |
| 84 | Second harmonic generation monitoring of nitric acid extraction by a monoamide at the water-dodecane interface. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 19580. | 1.3 | 15 |
| 85 | Ion Extraction Mechanism Studied in a Lyotropic Lamellar Phase. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1376-1384. | 1.2 | 7 |
| 86 | Thermotropic Phase Behavior of Choline Soaps. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3838-3847. | 1.2 | 28 |
| 87 | Liquid Interface Functionalized by an Ion Extractant: The Case of Winsor III Microemulsions. <i>Langmuir</i> , 2011, 27, 1653-1661. | 1.6 | 10 |
| 88 | Surfactin Self-Assembles into Direct and Reverse Aggregates in Equilibrium and Performs Selective Metal Cation Extraction. <i>ChemPhysChem</i> , 2011, 12, 2138-2144. | 1.0 | 30 |
| 89 | Innentitelbild: A Theta-Shaped Amphiphilic Cobaltabisdicarbollide Anion: Transition From Monolayer Vesicles to Micelles (Angew. Chem. 23/2011). <i>Angewandte Chemie</i> , 2011, 123, 5336-5336. | 1.6 | 0 |
| 90 | A Theta-Shaped Amphiphilic Cobaltabisdicarbollide Anion: Transition From Monolayer Vesicles to Micelles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5298-5300. | 7.2 | 161 |

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| 91 | Inside Cover: A Theta-Shaped Amphiphilic Cobaltabisdicarbollide Anion: Transition From Monolayer Vesicles to Micelles (Angew. Chem. Int. Ed. 23/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5228-5228. | 7.2 | 2 |
| 92 | Influence of PEMFC gas flow configuration on performance and water distribution studied by SANS: Evidence of the effect of gravity. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3096-3109. | 3.8 | 54 |
| 93 | NMR 1D-imaging of water infiltration into mesoporous matrices. <i>Magnetic Resonance Imaging</i> , 2011, 29, 443-455. | 1.0 | 12 |
| 94 | Effects of Alkaline Cations on Self-assembly of Cetylpyridinium Surfactants. <i>Tenside, Surfactants, Detergents</i> , 2011, 48, 40-47. | 0.5 | 2 |
| 95 | Tracking an ion complexing agent within bilayers. <i>Chemical Physics Letters</i> , 2010, 494, 301-305. | 1.2 | 6 |
| 96 | What can we learn from combined SAXS and SANS measurements of the same sample containing surfactants?. <i>Journal of Physics: Conference Series</i> , 2010, 247, 012002. | 0.3 | 14 |
| 97 | Ion Extractant as Cosurfactant at the Water-Oil Interface in Microemulsions. <i>Tenside, Surfactants, Detergents</i> , 2010, 47, 307-311. | 0.5 | 5 |
| 98 | Short-side-chain proton conducting perfluorosulfonic acid ionomers: Why they perform better in PEM fuel cells. <i>Journal of Power Sources</i> , 2008, 178, 499-509. | 4.0 | 317 |
| 99 | Water profile determination in a running PEMFC by small-angle neutron scattering. <i>Journal of Power Sources</i> , 2008, 179, 132-139. | 4.0 | 49 |
| 100 | Morphology of polystyrene-block-poly(styrene-co-acrylonitrile) and polystyrene-block-poly(styrene-co-acrylonitrile-co-5-vinyltetrazole) diblock copolymers prepared by nitroxide-mediated radical polymerization and click chemistry. <i>European Polymer Journal</i> , 2008, 44, 189-199. | 2.6 | 36 |
| 101 | Sulfonated Polyimides. , 2008, , 185-258. | | 14 |
| 102 | Proton channels. <i>Nature Materials</i> , 2008, 7, 13-14. | 13.3 | 169 |
| 103 | Determination of Transverse Water Concentration Profile Through MEA in a Fuel Cell Using Neutron Scattering. <i>Journal of the Electrochemical Society</i> , 2007, 154, B1389. | 1.3 | 34 |
| 104 | Structural Study of Zirconium Phosphate~Nafion Hybrid Membranes for High-Temperature Proton Exchange Membrane Fuel Cell Applications. <i>Macromolecules</i> , 2007, 40, 8259-8264. | 2.2 | 60 |
| 105 | Stretching Effect on Nafion Fibrillar Nanostructure. <i>Macromolecules</i> , 2007, 40, 9455-9462. | 2.2 | 52 |
| 106 | Synthesis of diblock copolymers comprising poly(2-vinylpyridine-co-acrylonitrile) and polystyrene blocks by nitroxide-mediated radical polymerization. <i>Journal of Applied Polymer Science</i> , 2007, 105, 1616-1622. | 1.3 | 7 |
| 107 | Water sorption~desorption in Nafion~ membranes at low temperature, probed by micro X-ray diffraction. <i>Journal of Power Sources</i> , 2007, 172, 587-596. | 4.0 | 63 |
| 108 | Structural Study of Proton-Conducting Fluorous Block Copolymer Membranes. <i>Macromolecules</i> , 2006, 39, 720-730. | 2.2 | 76 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Morphological studies and ionic transport properties of partially sulfonated diblock copolymers. <i>European Polymer Journal</i> , 2006, 42, 2486-2496. | 2.6 | 23 |
| 110 | Synthesis of highly sulfonated polystyrene-based block copolymers soluble in tetrahydrofuran. <i>E-Polymers</i> , 2006, 6, . | 1.3 | 5 |
| 111 | Coupled analysis between X-ray scattering and birefringence on an ionomer film. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 238, 43-49. | 0.6 | 2 |
| 112 | Neutron and X-ray Scattering: Suitable Tools for Studying Ionomer Membranes. <i>Fuel Cells</i> , 2005, 5, 261-276. | 1.5 | 246 |
| 113 | Quadrupolar interaction study of various cations confined in porous charged polymer film of sPI ionomers. <i>Magnetic Resonance Imaging</i> , 2005, 23, 367-368. | 1.0 | 7 |
| 114 | Relaxation of drawn Nafion films studied with birefringence experiments. <i>Polymers for Advanced Technologies</i> , 2005, 16, 102-107. | 1.6 | 13 |
| 115 | Study of the Casting of Sulfonated Polyimide Ionomer Membranes: Structural Evolution and Influence on Transport Properties. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11332-11339. | 1.2 | 12 |
| 116 | Birefringence study of drawn Nafion films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 2857-2870. | 2.4 | 11 |
| 117 | SANS analysis of perfluorinated lyotropic lamellar phase ion condensation effect. <i>Physica B: Condensed Matter</i> , 2004, 350, E959-E962. | 1.3 | 3 |
| 118 | Orientation of Drawn Nafion at Molecular and Mesoscopic Scales. <i>Macromolecules</i> , 2004, 37, 5327-5336. | 2.2 | 146 |
| 119 | Transport Anisotropy of Ions in Sulfonated Polyimide Ionomer Membranes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1130-1136. | 1.2 | 23 |
| 120 | Fibrillar Structure of Nafion: Matching Fourier and Real Space Studies of Corresponding Films and Solutions. <i>Macromolecules</i> , 2004, 37, 7772-7783. | 2.2 | 332 |
| 121 | Characterization of porous structure through the dynamical properties of ions confined in sulfonated polyimide ionomers films. <i>European Physical Journal E</i> , 2003, 12, 131-134. | 0.7 | 10 |
| 122 | Anisotropy of structure and transport properties in sulfonated polyimide membranes. <i>Journal of Membrane Science</i> , 2003, 214, 31-42. | 4.1 | 70 |
| 123 | The Conformation of Myosin Head Domains in Rigor Muscle Determined by X-Ray Interference. <i>Biophysical Journal</i> , 2003, 85, 1098-1110. | 0.2 | 26 |
| 124 | Undulation Properties of the Lamellar Phase of a Diblock Copolymer: SAXS Experiments. <i>Macromolecules</i> , 2002, 35, 7287-7292. | 2.2 | 9 |
| 125 | A New Insight into Nafion Structure. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3033-3036. | 1.2 | 187 |
| 126 | Evidence of Elongated Polymeric Aggregates in Nafion. <i>Macromolecules</i> , 2002, 35, 4050-4055. | 2.2 | 441 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Caractérisation de la structure des membranes ionomères (NAFION®) par diffusion de rayons X aux petits angles. <i>European Physical Journal Special Topics</i> , 2002, 12, 197-206. | 0.2 | 4 |
| 128 | Dynamics and correlations in magnetic colloidal systems studied by X-ray photon correlation spectroscopy. <i>European Physical Journal E</i> , 2001, 4, 263-271. | 0.7 | 50 |
| 129 | SAXS and USAXS on the high brilliance beamline at the ESRF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 467-468, 1005-1009. | 0.7 | 244 |
| 130 | Influence of screw dislocations on the orientation of a sheared lamellar phase. <i>Europhysics Letters</i> , 2001, 55, 821-826. | 0.7 | 32 |
| 131 | Lamellar-to-nematic phase transition in a lipid-surfactant mixture. <i>European Physical Journal E</i> , 2000, 3, 377-388. | 0.7 | 15 |
| 132 | Nonhomogeneous textures and banded flow in a soft cubic phase under shear. <i>Physical Review E</i> , 2000, 61, 6759-6764. | 0.8 | 81 |
| 133 | Interference fine structure and sarcomere length dependence of the axial x-ray pattern from active single muscle fibers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 7226-7231. | 3.3 | 110 |
| 134 | Lamellar phases under shear: variation of the layer orientation across the couette gap. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3623-3626. | 1.3 | 21 |
| 135 | SAXS from Polyelectrolyte Solutions under Shear: Xanthan and Na ⁺ Hyaluronate Examples. <i>Macromolecules</i> , 2000, 33, 9418-9422. | 2.2 | 23 |
| 136 | Structure and dynamics of surfactant-stabilized aggregates of palladium nanoparticles under dilute and semidilute conditions: Static and dynamic x-ray scattering. <i>Physical Review E</i> , 1999, 59, 642-649. | 0.8 | 36 |
| 137 | Changes in conformation of myosin heads during the development of isometric contraction and rapid shortening in single frog muscle fibres. <i>Journal of Physiology</i> , 1999, 514, 305-312. | 1.3 | 36 |
| 138 | A biaxial nematic gel phase in aqueous vanadium pentoxide suspensions. <i>European Physical Journal B</i> , 1999, 12, 541-546. | 0.6 | 29 |
| 139 | Shear-Induced Orientation Phenomena in Suspensions of Cellulose Microcrystals, Revealed by Small Angle X-ray Scattering. <i>Langmuir</i> , 1999, 15, 6123-6126. | 1.6 | 154 |
| 140 | A thermally induced transition from a body-centred to a face-centred cubic lattice in a diblock copolymer gel. <i>Colloid and Polymer Science</i> , 1998, 276, 446-450. | 1.0 | 52 |
| 141 | Small angle X-ray scattering analysis of crazing in rubber toughened polymers: Influence of particle deformation. <i>Polymer</i> , 1998, 39, 659-667. | 1.8 | 21 |
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