Eric Prouzet

List of Publications by Year
in descending order

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61 papers	2,581 citations	218381 26 h-index	182168 51 g-index
65 all docs	65 docs citations	65 times ranked	2799 citing authors

#	Article	IF	Citations
1	Assembly of Mesoporous Molecular Sieves Containing Wormhole Motifs by a Nonionic Surfactant Pathway: Control of Pore Size by Synthesis Temperature. Angewandte Chemie International Edition in English, 1997, 36, 516-518.	4.4	317
2	A New Synthesis of Mesoporous MSU-X Silica Controlled by a Two-Step Pathway. Chemistry of Materials, 2000, 12, 2902-2913.	3.2	189
3	Structure factor for the periodic walls of mesoporous MCM-41 molecular sieves. Microporous and Mesoporous Materials, 1999, 27, 19-25.	2.2	146
4	Palladium Nanowires Synthesized in Hexagonal Mesophases: Application in Ethanol Electrooxidation. Chemistry of Materials, 2009, 21, 1612-1617.	3.2	144
5	Assembly of Mesoporous Silica Molecular Sieves Based on Nonionic Ethoxylated Sorbitan Esters as Structure Directors. Chemistry of Materials, 1999, 11, 1498-1503.	3.2	134
6	A double step synthesis of mesoporous micrometric spherical MSU-X silica particles. Chemical Communications, 1999, , 2047-2048.	2.2	116
7	A Study of the Assembly Mechanism of the Mesoporous MSU-X Silica Two-Step Synthesis. Chemistry of Materials, 2001, 13, 3580-3586.	3.2	103
8	Synthesis of Mesoporous MSU-XMaterials Using Inexpensive Silica Sources. Chemistry of Materials, 2000, 12, 1937-1940.	3.2	97
9	Mechanisms of Pore Size Control in MSU-X Mesoporous Silica. Chemistry of Materials, 2003, 15, 509-515.	3.2	81
10	TiO2 nanoparticles optimized for photoanodes tested in large area Dye-sensitized solar cells (DSSC). Solar Energy Materials and Solar Cells, 2016, 153, 108-116.	3.0	77
11	Bio-inspired synthetic pathways and beyond: integrative chemistry. New Journal of Chemistry, 2008, 32, 1284.	1.4	76
12	Synthesis of Porous Platinum Nanoballs in Soft Templates. Chemistry of Materials, 2007, 19, 5045-5048.	3.2	69
13	Highly Swollen Liquid Crystals as New Reactors for the Synthesis of Nanomaterials. Chemistry of Materials, 2005, 17, 1505-1514.	3.2	66
14	Nanometric hollow spheres made of MSU-X-type mesoporous silica. Journal of Materials Chemistry, 2002, 12, 1553-1556.	6.7	65
15	Existence and Stability of New Nanoreactors:Â Highly Swollen Hexagonal Liquid Crystals. Langmuir, 2005, 21, 4362-4369.	1.6	61
16	A review on the synthesis, structure and applications in separation processes of mesoporous MSU-X silica obtained with the two-step process. Comptes Rendus Chimie, 2005, 8, 579-596.	0.2	52
17	Evidence of Charge-Transfer Ferromagnetism in Transparent Diluted Magnetic Oxide Nanocrystals: Switching the Mechanism of Magnetic Interactions. Journal of the American Chemical Society, 2014, 136, 7669-7679.	6.6	52
18	Stability and Tunability of O/W Nanoemulsions Prepared by Phase Inversion Composition. Langmuir, 2011, 27, 2299-2307.	1.6	51

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19	Roughness of mesoporous silica surfaces deduced from adsorption measurements. Microporous and Mesoporous Materials, 2009, 119, 9-17.	2.2	48
20	Ultrafiltration Membrane Made with Mesoporous MSU-XSilica. Chemistry of Materials, 2003, 15, 460-463.	3.2	45
21	Palladium Nanoballs Synthesized in Hexagonal Mesophases. Journal of Physical Chemistry C, 2008, 112, 10740-10744.	1.5	44
22	Room Temperature Synthesis and Thermal Evolution of Porous Nanocrystalline TiO₂ Anatase. Chemistry of Materials, 2012, 24, 245-254.	3.2	44
23	From Self-Assembly of Platinum Nanoparticles to Nanostructured Materials. Small, 2005, 1, 964-967.	5.2	43
24	An example of integrative chemistry: Combined gelation of boehmite and sodium alginate for the formation of porous beads. Microporous and Mesoporous Materials, 2006, 96, 369-375.	2.2	42
25	Temperature dependence in the synthesis of hexagonal MSU-3 type mesoporous silica synthesized with Pluronic P123 block copolymer. Microporous and Mesoporous Materials, 2004, 74, 213-220.	2.2	37
26	On the specific filtration mechanism of a mesoporous silica membrane, prepared with non-connecting parallel pores. Journal of Membrane Science, 2005, 251, 17-28.	4.1	32
27	Synthesis, Characterization, and Properties of Silica-Supported Trimethylphosphine Disiloxy Tantalum Hydride, (â‹®SiO)2TaH(PMe3). Organometallics, 2001, 20, 5518-5521.	1.1	26
28	Structure of Restacked and Pillared WS2:Â An X-ray Absorption Study. Chemistry of Materials, 2003, 15, 412-418.	3.2	26
29	Superspin-glass behavior of Co3[Fe(CN)6]2 Prussian blue nanoparticles confined in mesoporous silica. Materials Chemistry and Physics, 2012, 132, 438-445.	2.0	26
30	Synthesis of Co3[Fe(CN)6]2 molecular-based nanomagnets in MSU mesoporous silica by integrative chemistry. New Journal of Chemistry, 2009, 33, 2449.	1.4	24
31	Zirconia Needles Synthesized Inside Hexagonal Swollen Liquid Crystals. Chemistry of Materials, 2004, 16, 4187-4192.	3.2	22
32	Hexagonal mesoporous silica nanoparticles with large pores and a hierarchical porosity tested for HPLC. Comptes Rendus Chimie, 2005, 8, 627-634.	0.2	22
33	Differential Scanning Calorimetry Study of the Structure of Water Confined within AOT Lamellar Mesophases. Journal of Physical Chemistry B, 2010, 114, 8081-8088.	1.2	20
34	ZnO/PVA Macroscopic Fibers Bearing Anisotropic Photonic Properties. Advanced Functional Materials, 2012, 22, 3994-4003.	7.8	20
35	Varying TiO₂ Macroscopic Fiber Morphologies toward Tuning Their Photocatalytic Properties. ACS Applied Materials & Interfaces, 2014, 6, 11211-11218.	4.0	18
36	Performances of ceramic filters for air purification. Separation and Purification Technology, 2003, 32, 81-85.	3.9	16

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37	Integrative Synthesis of Coordination Polymers, Metal Oxides, and Alloys Magnetic Nanoparticles in MSU Mesoporous Silica. Chemistry of Materials, 2014, 26, 875-885.	3.2	15
38	Photocatalytic TiO₂ Macroscopic Fibers Obtained Through Integrative Chemistry. European Journal of Inorganic Chemistry, 2012, 2012, 5350-5359.	1.0	13
39	27Al MAS NMR and XAS cross-study of the aluminophosphonate Al(OH)(O3PC6H5)Electronic supplementary information (ESI) available: X-ray powder diffraction pattern of Al(OH)(O3PC6H5). See http://www.rsc.org/suppdata/nj/b1/b106545a/. New Journal of Chemistry, 2001, 25, 1365-1367.	1.4	12
40	Micromesoporous Monolithic Al-MSU with a Widely Variable Content of Aluminum Leading to Tunable Acidity. Chemistry of Materials, 2008, 20, 1410-1420.	3.2	11
41	ZnO Nanostructures Grown onto Polypyrrole Films Prepared in Swollen Liquid Crystals via Integrative Chemistry. Chemistry of Materials, 2010, 22, 218-225.	3.2	11
42	Synthesis of monolithic mesoâ€“macroporous silica and carbon with tunable pore size. Chemical Communications, 2012, 48, 4335.	2.2	11
43	The formation and study of poly(ethylene oxide)-poly(norbornene) block-copolymers on the surface of titanium-dioxide particles: a novel approach towards application of si-ROMP to larger surface modification. Polymer Chemistry, 2016, 7, 2751-2758.	1.9	9
44	Nanocrystalline iron oxide synthesised within Hierarchical Porous Silica prepared by nanoemulsion templating. Chemical Communications, 2012, 48, 10022.	2.2	8
45	Effect of physical chemistry parameters in photocatalytic properties of TiO2 nanocrystals. Comptes Rendus Chimie, 2013, 16, 651-659.	0.2	8
46	Organicâ€“inorganic hybrid materials designed by controlled radical polymerization and mediated using commercial dual functional organophosphorous coupling agents. New Journal of Chemistry, 2014, 38, 6081-6087.	1.4	4
47	TiO₂ Macroscopic Fibers with Enhanced Photocatalytic Properties Obtained through a Scaleâ€Up Semiâ€Industrial Process. Advanced Engineering Materials, 2015, 17, 36-44.	1.6	4
48	Toward a sustainable preparation of tunable mesoporous silica. Journal of Supercritical Fluids, 2019, 143, 139-145.	1.6	4
49	Organic free montmorillonite-based flexible insulating sheaths for Nb3Sn superconductor magnets. Applied Clay Science, 2013, 80-81, 249-258.	2.6	3
50	Nano-coating of ceramic membranes for bubble-free injection of CO2. Journal of CO2 Utilization, 2014, 6, 12-16.	3.3	3
51	Harnessing the power of latex solutions based on titania particles â˜’ using si-ATRP towards larger surface modification for applications in gas separation membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 510, 245-253.	2.3	3
52	Synthesis of Hierarchical Porous Silica by Solâ€Gel of Sodium Silicate and Nanoemulsion Templating: Effective Combination Conditions. ChemistrySelect, 2021, 6, 1440-1447.	0.7	3
53	A single parameter determines mesophase transitions in Swollen Liquid Crystals. Liquid Crystals, 2016, 43, 615-622.	0.9	2
54	A pure aqueous route to mesoporous silica thin films via dip-coating of prefabricated hybrid micelles. Journal of Sol-Gel Science and Technology, 2017, 81, 514-522.	1.1	2

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55	An ultrafiltration membrane, prepared with MSU-type mesoporous silica: preparation and specific filtration behavior. Studies in Surface Science and Catalysis, 2005, 156, 481-488.	1.5	1
56	Influence of common ions during ultrafiltration of mixtures. Journal of Membrane Science, 2007, 300, 117-121.	4.1	1
57	Synthesis and characterization of low-cost hierarchical porous silica by nanoemulsion templating: influence of nanoemulsion volume and hydrodynamic diameter. Journal of Sol-Gel Science and Technology, 2021, 99, 63.	1.1	1
58	Synthesis of nanomaterials in Highly Swollen Liquid Crystals. Materials Research Society Symposia Proceedings, 2004, 847, 85.	0.1	0
59	Photocatalytic TiO2 Macroscopic Fiber Obtained through Integrative Chemistry. Materials Research Society Symposia Proceedings, 2013, 1492, 149-154.	0.1	0
60	ZnO/PVA Macroscopic Fibers Bearing Anisotropic Photonic Properties. Materials Research Society Symposia Proceedings, 2013, 1512, 1.	0.1	0
61	Stability and dynamics of silicate/organic hybrid micelles. Comptes Rendus Chimie, 2017, 20, 526-533.	0.2	0