

# Eric Prouzet

## List of Publications by Citations

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62

papers

2,371

citations

26

h-index

48

g-index

65

ext. papers

2,450

ext. citations

6.3

avg, IF

4.53

L-index

#	Paper	IF	Citations
62	Assembly of Mesoporous Molecular Sieves Containing Wormhole Motifs by a Nonionic Surfactant Pathway: Control of Pore Size by Synthesis Temperature. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 516-518		277
61	A New Synthesis of Mesoporous MSU-X Silica Controlled by a Two-Step Pathway. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 2902-2913	9.6	174
60	Palladium Nanowires Synthesized in Hexagonal Mesophases: Application in Ethanol Electrooxidation. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1612-1617	9.6	132
59	Structure factor for the periodic walls of mesoporous MCM-41 molecular sieves. <i>Microporous and Mesoporous Materials</i> , <b>1999</b> , 27, 19-25	5.3	132
58	Assembly of Mesoporous Silica Molecular Sieves Based on Nonionic Ethoxylated Sorbitan Esters as Structure Directors. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 1498-1503	9.6	126
57	A double step synthesis of mesoporous micrometric spherical MSU-X silica particles. <i>Chemical Communications</i> , <b>1999</b> , 2047-2048	5.8	113
56	A Study of the Assembly Mechanism of the Mesoporous MSU-X Silica Two-Step Synthesis. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 3580-3586	9.6	102
55	Synthesis of Mesoporous MSU-X Materials Using Inexpensive Silica Sources. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 1937-1940	9.6	89
54	Mechanisms of Pore Size Control in MSU-X Mesoporous Silica. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 509-515	9.6	79
53	Bio-inspired synthetic pathways and beyond: integrative chemistry. <i>New Journal of Chemistry</i> , <b>2008</b> , 32, 1284	3.6	72
52	TiO <sub>2</sub> nanoparticles optimized for photoanodes tested in large area Dye-sensitized solar cells (DSSC). <i>Solar Energy Materials and Solar Cells</i> , <b>2016</b> , 153, 108-116	6.4	65
51	Synthesis of Porous Platinum Nanoballs in Soft Templates. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5045-5048	9.6	62
50	Highly Swollen Liquid Crystals as New Reactors for the Synthesis of Nanomaterials. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1505-1514	9.6	62
49	Nanometric hollow spheres made of MSU-X-type mesoporous silica. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 1553-1556		62
48	Existence and stability of new nanoreactors: highly swollen hexagonal liquid crystals. <i>Langmuir</i> , <b>2005</b> , 21, 4362-9	4	59
47	Stability and tunability of O/W nanoemulsions prepared by phase inversion composition. <i>Langmuir</i> , <b>2011</b> , 27, 2299-307	4	48
46	A review on the synthesis, structure and applications in separation processes of mesoporous MSU-X silica obtained with the two-step process. <i>Comptes Rendus Chimie</i> , <b>2005</b> , 8, 579-596	2.7	48

45	Evidence of charge-transfer ferromagnetism in transparent diluted magnetic oxide nanocrystals: switching the mechanism of magnetic interactions. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7669-79	16.4	47
44	Room Temperature Synthesis and Thermal Evolution of Porous Nanocrystalline TiO <sub>2</sub> Anatase. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 245-254	9.6	43
43	Roughness of mesoporous silica surfaces deduced from adsorption measurements. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 119, 9-17	5.3	42
42	Palladium Nanoballs Synthesized in Hexagonal Mesophases. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 10740-10744	3.8	42
41	From self-assembly of platinum nanoparticles to nanostructured materials. <i>Small</i> , <b>2005</b> , 1, 964-7	11	41
40	An example of integrative chemistry: Combined gelation of boehmite and sodium alginate for the formation of porous beads. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 96, 369-375	5.3	38
39	Ultrafiltration Membrane Made with Mesoporous MSU-X Silica. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 460-463	9.6	38
38	Temperature dependence in the synthesis of hexagonal MSU-3 type mesoporous silica synthesized with Pluronic P123 block copolymer. <i>Microporous and Mesoporous Materials</i> , <b>2004</b> , 74, 213-220	5.3	35
37	On the specific filtration mechanism of a mesoporous silica membrane, prepared with non-connecting parallel pores. <i>Journal of Membrane Science</i> , <b>2005</b> , 251, 17-28	9.6	26
36	Superspin-glass behavior of Co <sub>3</sub> [Fe(CN) <sub>6</sub> ] <sub>2</sub> Prussian blue nanoparticles confined in mesoporous silica. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 132, 438-445	4.4	25
35	Synthesis of Co <sub>3</sub> [Fe(CN) <sub>6</sub> ] <sub>2</sub> molecular-based nanomagnets in MSU mesoporous silica by integrative chemistry. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 2449	3.6	23
34	Hexagonal mesoporous silica nanoparticles with large pores and a hierarchical porosity tested for HPLC. <i>Comptes Rendus Chimie</i> , <b>2005</b> , 8, 627-634	2.7	22
33	Synthesis, Characterization, and Properties of Silica-Supported Trimethylphosphine Disiloxy Tantalum Hydride, (SiO) <sub>2</sub> TaH(PMe <sub>3</sub> ). <i>Organometallics</i> , <b>2001</b> , 20, 5518-5521	3.8	22
32	Zirconia Needles Synthesized Inside Hexagonal Swollen Liquid Crystals. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 4187-4192	9.6	21
31	Structure of Restacked and Pillared WS <sub>2</sub> : An X-ray Absorption Study. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 412-418	9.6	21
30	ZnO/PVA Macroscopic Fibers Bearing Anisotropic Photonic Properties. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3994-4003	15.6	19
29	Varying TiO <sub>2</sub> macroscopic fiber morphologies toward tuning their photocatalytic properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 11211-8	9.5	17
28	Differential scanning calorimetry study of the structure of water confined within AOT lamellar mesophases. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 8081-8	3.4	17

27	Integrative Synthesis of Coordination Polymers, Metal Oxides, and Alloys Magnetic Nanoparticles in MSU Mesoporous Silica. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 875-885	9.6	14
26	Photocatalytic TiO <sub>2</sub> Macroscopic Fibers Obtained Through Integrative Chemistry. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 5350-5359	2.3	13
25	Performances of ceramic filters for air purification. <i>Separation and Purification Technology</i> , <b>2003</b> , 32, 81-85	8.3	13
24	Synthesis of monolithic meso-macroporous silica and carbon with tunable pore size. <i>Chemical Communications</i> , <b>2012</b> , 48, 4335-7	5.8	11
23	ZnO Nanostructures Grown onto Polypyrrole Films Prepared in Swollen Liquid Crystals via Integrative Chemistry. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 218-225	9.6	11
22	<sup>27</sup> Al MAS NMR and XAS cross-study of the aluminophosphonate Al(OH)(O <sub>3</sub> PC <sub>6</sub> H <sub>5</sub> ). <i>New Journal of Chemistry</i> , <b>2001</b> , 25, 1365-1367	3.6	11
21	Micromesoporous Monolithic Al-MSU with a Widely Variable Content of Aluminum Leading to Tunable Acidity. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 1410-1420	9.6	9
20	Effect of physical chemistry parameters in photocatalytic properties of TiO <sub>2</sub> nanocrystals. <i>Comptes Rendus Chimie</i> , <b>2013</b> , 16, 651-659	2.7	8
19	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. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 2751-2758	4.9	8
18	Nanocrystalline iron oxide synthesised within Hierarchical Porous Silica prepared by nanoemulsion templating. <i>Chemical Communications</i> , <b>2012</b> , 48, 10022-4	5.8	7
17	TiO <sub>2</sub> Macroscopic Fibers with Enhanced Photocatalytic Properties Obtained through a Scale-Up Semi-Industrial Process. <i>Advanced Engineering Materials</i> , <b>2015</b> , 17, 36-44	3.5	4
16	Organic/inorganic hybrid materials designed by controlled radical polymerization and mediated using commercial dual functional organophosphorous coupling agents. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 6081-6087	3.6	4
15	Toward a sustainable preparation of tunable mesoporous silica. <i>Journal of Supercritical Fluids</i> , <b>2019</b> , 143, 139-145	4.2	3
14	Harnessing the power of latex solutions based on titania particles using si-ATRP towards larger surface modification for applications in gas separation membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 510, 245-253	5.1	3
13	A single parameter determines mesophase transitions in Swollen Liquid Crystals. <i>Liquid Crystals</i> , <b>2016</b> , 43, 615-622	2.3	2
12	Nano-coating of ceramic membranes for bubble-free injection of CO <sub>2</sub> . <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2014</b> , 6, 12-16	7.6	2
11	Synthesis of Hierarchical Porous Silica by Sol-Gel of Sodium Silicate and Nanoemulsion Templating: Effective Combination Conditions. <i>ChemistrySelect</i> , <b>2021</b> , 6, 1440-1447	1.8	2
10	Organic free montmorillonite-based flexible insulating sheaths for Nb <sub>3</sub> Sn superconductor magnets. <i>Applied Clay Science</i> , <b>2013</b> , 80-81, 249-258	5.2	1

9	A pure aqueous route to mesoporous silica thin films via dip-coating of prefabricated hybrid micelles. <i>Journal of Sol-Gel Science and Technology</i> , <b>2017</b> , 81, 514-522	2.3	1
8	Hierarchically Structured Porous Coatings and Membranes <b>2011</b> , 335-361		1
7	Influence of common ions during ultrafiltration of mixtures. <i>Journal of Membrane Science</i> , <b>2007</b> , 300, 117-121	9.6	1
6	An ultrafiltration membrane, prepared with MSU-type mesoporous silica: preparation and specific filtration behavior. <i>Studies in Surface Science and Catalysis</i> , <b>2005</b> , 156, 481-488	1.8	1
5	Synthesis and characterization of low-cost hierarchical porous silica by nanoemulsion templating: influence of nanoemulsion volume and hydrodynamic diameter. <i>Journal of Sol-Gel Science and Technology</i> , <b>2021</b> , 99, 63	2.3	0
4	Stability and dynamics of silicate/organic hybrid micelles. <i>Comptes Rendus Chimie</i> , <b>2017</b> , 20, 526-533	2.7	
3	Photocatalytic TiO <sub>2</sub> Macroscopic Fiber Obtained through Integrative Chemistry. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1492, 149-154		
2	ZnO/PVA Macroscopic Fibers Bearing Anisotropic Photonic Properties. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1512, 1		
1	Synthesis of nanomaterials in Highly Swollen Liquid Crystals. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 847, 85		