

Anne Galarneau

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

4,372
citations

35
h-index

65
g-index

85
ext. papers

4,719
ext. citations

5.9
avg, IF

5.2
L-index

#	Paper	IF	Citations
80	Microporosity and connections between pores in SBA-15 mesostructured silicas as a function of the temperature of synthesis. <i>New Journal of Chemistry</i> , 2003 , 27, 73-79	3.6	461
79	True Microporosity and Surface Area of Mesoporous SBA-15 Silicas as a Function of Synthesis Temperature. <i>Langmuir</i> , 2001 , 17, 8328-8335	4	338
78	Micelle-templated silicates as a test bed for methods of mesopore size evaluation. <i>Microporous and Mesoporous Materials</i> , 1999 , 27, 297-308	5.3	219
77	Adsorption, intrusion and freezing in porous silica: the view from the nanoscale. <i>Chemical Society Reviews</i> , 2013 , 42, 4141-71	58.5	171
76	Understanding the Stability in Water of Mesoporous SBA-15 and MCM-41. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8268-8277	3.8	166
75	Validity of the t-plot method to assess microporosity in hierarchical micro/mesoporous materials. <i>Langmuir</i> , 2014 , 30, 13266-74	4	161
74	Thermal and mechanical stability of micelle-templated silica supports for catalysis. <i>Catalysis Today</i> , 2001 , 68, 191-200	5.3	143
73	In situ synthesis of Cu-BTC (HKUST-1) in macro-/mesoporous silica monoliths for continuous flow catalysis. <i>Chemical Communications</i> , 2012 , 48, 4749-51	5.8	141
72	Functionalized inorganic monolithic microreactors for high productivity in fine chemicals catalytic synthesis. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4969-72	16.4	124
71	Great Improvement of Chromatographic Performance Using MCM-41 Spheres as Stationary Phase in HPLC. <i>Chemistry of Materials</i> , 2004 , 16, 1725-1731	9.6	117
70	Kinetics of Formation of Micelle-Templated Silica Mesophases Monitored by Electron Paramagnetic Resonance. <i>Journal of Colloid and Interface Science</i> , 1998 , 201, 105-117	9.3	100
69	Functional silica monoliths with hierarchical uniform porosity as continuous flow catalytic reactors. <i>Microporous and Mesoporous Materials</i> , 2011 , 140, 58-68	5.3	91
68	Spherical ordered mesoporous silicas and silica monoliths as stationary phases for liquid chromatography. <i>Journal of Separation Science</i> , 2006 , 29, 844-55	3.4	88
67	Monolithic flow microreactors improve fine chemicals synthesis. <i>New Journal of Chemistry</i> , 2011 , 35, 259	3.6	80
66	Immobilization of lipase on silicas. Relevance of textural and interfacial properties on activity and selectivity. <i>New Journal of Chemistry</i> , 2006 , 30, 562	3.6	77
65	Synthesis of Micelle-Templated Silicas from Cetyltrimethylammonium Bromide/1,3,5-Trimethylbenzene Micelles. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 12123-12129	3.4	77
64	Hierarchical porous silica monoliths: A novel class of microreactors for process intensification in catalysis and adsorption. <i>Comptes Rendus Chimie</i> , 2016 , 19, 231-247	2.7	76

63	Reduction of CO ₂ to methanol by a polyenzymatic system encapsulated in phospholipid-silica nanocapsules. <i>New Journal of Chemistry</i> , 2013 , 37, 3721	3.6	76
62	MCM-41 silica monoliths with independent control of meso- and macroporosity. <i>New Journal of Chemistry</i> , 2007 , 31, 1907	3.6	75
61	Gas adsorption in mesoporous micelle-templated silicas: MCM-41, MCM-48, and SBA-15. <i>Langmuir</i> , 2006 , 22, 11097-105	4	74
60	Catalytic ozonation with H ₂ O ₂ to enhance the degradation of refractory organics in water. <i>Applied Catalysis A: General</i> , 2015 , 504, 519-532	5.1	71
59	Advanced porous materials: New developments and emerging trends. <i>Microporous and Mesoporous Materials</i> , 2005 , 82, 227-239	5.3	68
58	A new mesoporous micelle-templated silica route for enzyme encapsulation. <i>Langmuir</i> , 2005 , 21, 4648-55	5.4	62
57	Macroporous LTA-monoliths for in-flow removal of radioactive strontium from aqueous effluents: Application to the case of Fukushima. <i>Microporous and Mesoporous Materials</i> , 2012 , 164, 251-258	5.3	55
56	Effect of Morphological Defects on Gas Adsorption in Nanoporous Silicas. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 15759-15770	3.8	54
55	Continuous Partial Hydrogenation Reactions by Bimodal Porous Titania Monolith Catalysts. <i>ACS Catalysis</i> , 2012 , 2, 2194-2198	13.1	51
54	Synthesis of Discrete Micrometer-Sized Spherical Particles of MCM-48. <i>Chemistry of Materials</i> , 2005 , 17, 2120-2130	9.6	49
53	Synthesis of Zeolite Monoliths for Flow Continuous Processes. The Case of Sodalite as a Basic Catalyst. <i>Chemistry of Materials</i> , 2010 , 22, 4123-4125	9.6	48
52	EPR investigations on the formation of micelle-templated silica. <i>Microporous and Mesoporous Materials</i> , 2001 , 44-45, 1-8	5.3	48
51	Probing Interconnectivity in Hierarchical Microporous/Mesoporous Materials Using Adsorption and Nuclear Magnetic Resonance Diffusion. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1562-1569	3.8	47
50	Molecular simulation of adsorption and transport in hierarchical porous materials. <i>Langmuir</i> , 2013 , 29, 7864-75	4	46
49	Selective hydrogenation over Pd nanoparticles supported on a pore-flow-through silica monolith microreactor with hierarchical porosity. <i>Dalton Transactions</i> , 2013 , 42, 1378-84	4.3	42
48	Selective Cu ²⁺ adsorption and recovery from contaminated water using mesoporous hybrid silica bio-adsorbents. <i>Microporous and Mesoporous Materials</i> , 2011 , 146, 141-150	5.3	40
47	Synthesis and Textural Characterization of Mesoporous and Meso-/Macroporous Silica Monoliths Obtained by Spinodal Decomposition. <i>Inorganics</i> , 2016 , 4, 9	2.9	40
46	Specific Surface Area Determination for Microporous/Mesoporous Materials: The Case of Mesoporous FAU-Y Zeolites. <i>Langmuir</i> , 2018 , 34, 14134-14142	4	37

45	Characterization of mesoporous silica and its pseudomorphically transformed derivative by gas and liquid adsorption. <i>Microporous and Mesoporous Materials</i> , 2007 , 102, 111-121	5.3	35
44	Challenges and Strategies in the Synthesis of Mesoporous Alumina Powders and Hierarchical Alumina Monoliths. <i>Materials</i> , 2012 , 5, 336-349	3.5	33
43	LTA zeolite monoliths with hierarchical trimodal porosity as highly efficient microreactors for strontium capture in continuous flow. <i>Microporous and Mesoporous Materials</i> , 2016 , 232, 39-52	5.3	31
42	Functionalized Inorganic Monolithic Microreactors for High Productivity in Fine Chemicals Catalytic Synthesis. <i>Angewandte Chemie</i> , 2009 , 121, 5069-5072	3.6	31
41	Epoxy-functionalized large-pore SBA-15 and KIT-6 as affinity chromatography supports. <i>Comptes Rendus Chimie</i> , 2010 , 13, 199-206	2.7	31
40	Effect of post-synthesis treatment on the stability and surface properties of MCM-48 silica. <i>Microporous and Mesoporous Materials</i> , 2005 , 83, 172-180	5.3	31
39	Diffusion Properties of Hexane in Pseudomorphic MCM-41 Mesoporous Silicas Explored by Pulsed Field Gradient NMR. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13749-13759	3.8	30
38	Enhancement of lithium transport by controlling the mesoporosity of silica monoliths filled by ionic liquids. <i>New Journal of Chemistry</i> , 2016 , 40, 4269-4276	3.6	28
37	Hemoglobin immobilized on mesoporous silica as effective material for the removal of polycyclic aromatic hydrocarbons pollutants from water. <i>New Journal of Chemistry</i> , 2010 , 34, 2153	3.6	28
36	Electrochromatographic behavior of silica monolithic capillaries of different skeleton sizes synthesized with a simplified and shortened sol-gel procedure. <i>Electrophoresis</i> , 2006 , 27, 3971-80	3.6	27
35	Synthesis of binderless zeolite aggregates (SOD, LTA, FAU) beads of 10, 70 μ m and 1mm by direct pseudomorphic transformation. <i>Microporous and Mesoporous Materials</i> , 2013 , 176, 145-154	5.3	23
34	Mesoporous materials for antihydrogen production. <i>Chemical Society Reviews</i> , 2013 , 42, 3821-32	58.5	23
33	Sponge mesoporous silica formation using disordered phospholipid bilayers as template. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2140-52	3.4	23
32	Immobilisation of a biological chelate in porous mesostructured silica for selective metal removal from wastewater and its recovery. <i>New Journal of Chemistry</i> , 2005 , 29, 912	3.6	23
31	C,N-doped TiO ₂ monoliths with hierarchical macro-/mesoporosity for water treatment under visible light. <i>Microporous and Mesoporous Materials</i> , 2019 , 280, 37-45	5.3	21
30	Removal of 2,4-dimethylphenol pollutant in water by ozonation catalyzed by SOD, LTA, FAU-X zeolites particles obtained by pseudomorphic transformation (binderless). <i>Microporous and Mesoporous Materials</i> , 2014 , 189, 200-209	5.3	21
29	Adsorption and Dynamics in Hierarchical Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 7423-7433	3.8	21
28	Bimodal porous silica monoliths obtained by phase separation in non-aqueous media. <i>Journal of Materials Chemistry</i> , 2010 , 20, 964-971		21

27	Intrusion and Retraction of Fluids in Nanopores: Effect of Morphological Heterogeneity. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1953-1962	3.8	21
26	Hosting Ability of Mesoporous Micelle-Templated Silicas toward Organic Molecules of Different Polarity. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 18580-18589	3.4	20
25	Unconventional Pd@Sulfonated Silica Monoliths Catalysts for Selective Partial Hydrogenation Reactions under Continuous Flow. <i>ChemCatChem</i> , 2017 , 9, 3245-3258	5.2	18
24	Synthesis of micelle templated silico-aluminas with different alumina contents. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 4058-65	3.4	18
23	Noninvasive Experimental Evidence of the Linear Pore Size Dependence of Water Diffusion in Nanoconfinement. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 393-8	6.4	17
22	Phospholipid-templated silica nanocapsules as efficient polyenzymatic biocatalysts. <i>Dalton Transactions</i> , 2010 , 39, 8511-20	4.3	17
21	Pore structural characteristics, size exclusion properties and column performance of two mesoporous amorphous silicas and their pseudomorphically transformed MCM-41 type derivatives. <i>Journal of Separation Science</i> , 2007 , 30, 3089-103	3.4	17
20	Selective continuous flow extractive denitrogenation of oil containing S- and N-heteroaromatics using metal-containing ionic liquids supported on monolithic silica with hierarchical porosity. <i>RSC Advances</i> , 2014 , 4, 1045-1054	3.7	16
19	Optimization of the Properties of Macroporous Chromatography Silica Supports through Surface Roughness Control. <i>Chemistry of Materials</i> , 2009 , 21, 1884-1892	9.6	16
18	Catalase-like activity of bovine met-hemoglobin: interaction with the pseudo-catalytic peroxidation of anthracene traces in aqueous medium. <i>Biotechnology Journal</i> , 2009 , 4, 1460-70	5.6	14
17	Removal of perfluorooctanoic acid from water by adsorption on high surface area mesoporous materials. <i>Journal of Porous Materials</i> , 2014 , 21, 423	2.4	13
16	Synthesis of large-pore micelle-templated silico-aluminas at different alumina contents. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20202-10	3.4	12
15	Synthesis of binderless FAU-X (13X) monoliths with hierarchical porosity. <i>Microporous and Mesoporous Materials</i> , 2019 , 281, 57-65	5.3	10
14	Size control of self-supported LTA zeolite nanoparticles monoliths. <i>Microporous and Mesoporous Materials</i> , 2016 , 227, 176-190	5.3	10
13	Mechanical strength of nanosized hexagonal silica honeycombs. <i>Materials Science and Engineering C</i> , 2003 , 23, 727-732	8.3	9
12	Nanocrystals FAU-X monoliths as highly efficient microreactors for cesium capture in continuous flow. <i>Microporous and Mesoporous Materials</i> , 2019 , 285, 185-194	5.3	8
11	Revelation on the Complex Nature of Mesoporous Hierarchical FAU-Y Zeolites. <i>Langmuir</i> , 2018 , 34, 11414-11423	4.4	8
10	Hierarchical ZSM-5 beads composed of zeolite nanosheets obtained by pseudomorphic transformation. <i>Microporous and Mesoporous Materials</i> , 2019 , 288, 109565	5.3	7

9	Production of formate from CO ₂ gas under ambient conditions: towards flow-through enzyme reactors. <i>Green Chemistry</i> , 2020 , 22, 3727-3733	10	6
8	Impact of Pore Architecture on the Hydroconversion of Long Chain Alkanes over Micro and Mesoporous Catalysts. <i>Petroleum Chemistry</i> , 2020 , 60, 479-489	1.1	5
7	Adsorption-based characterization of hierarchical metal-organic frameworks. <i>Adsorption</i> , 2014 , 20, 349-357	5	
6	Combining Phase Separation with Pseudomorphic Transformation for the Control of the Pore Architecture of Functional Materials: A Review. <i>Petroleum Chemistry</i> , 2019 , 59, 761-769	1.1	4
5	Silica based ionogels: interface effects with aprotic and protic ionic liquids with lithium. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24051-24058	3.6	3
4	Synthesis of Hierarchical Zeolites with Morphology Control: Plain and Hollow Spherical Beads of Silicalite-1 Nanosheets. <i>Molecules</i> , 2020 , 25,	4.8	2
3	An autonomous plant growing miniaturized incubator for a Cubesat. <i>Acta Astronautica</i> , 2021 , 179, 439-449	1	
2	Phospholipid-silica mesophases formed in hydroalcoholic solution as precursors of mesoporous silica. <i>New Journal of Chemistry</i> , 2016 , 40, 4314-4318	3.6	
1	Highly Efficient Mesoporous Mg/Al ₂ O ₃ Catalysts for Ozonation of Saline Petroleum Effluents. <i>Petroleum Chemistry</i> , 2020 , 60, 858-880	1.1	