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List of Publications by Year
in descending order

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64 papers	2,425 citations	201674 27 h-index	197818 49 g-index
66 all docs	66 docs citations	66 times ranked	2826 citing authors

#	Article	IF	Citations
1	Multiple equilibria describe the complete adsorption isotherms of nonporous, microporous, and mesoporous adsorbents. Microporous and Mesoporous Materials, 2022, 330, 111563.	4.4	17
2	Indigoâ€"A New Tribological Substance Class for Non-Toxic and Ecological Gliding Surfaces on Ice, Snow, and Water. Materials, 2022, 15, 883.	2.9	2
3	Entropy in multiple equilibria. Argon and nitrogen adsorption isotherms of nonporous, microporous, and mesoporous materials. Microporous and Mesoporous Materials, 2021, 312, 110744.	4.4	11
4	Silica particles with fluorescein-labelled cores for evaluating accessibility through fluorescence quenching by copper. Nanoscale Advances, 2021, 3, 6459-6467.	4.6	4
5	Hollow Silica Cubes with Customizable Porosity. Materials, 2020, 13, 2474.	2.9	4
6	The role of contact angle and pore width on pore condensation and freezing. Atmospheric Chemistry and Physics, 2020, 20, 9419-9440.	4.9	20
7	Real-time inline monitoring of zeolite synthesis by Photon Density Wave spectroscopy. Microporous and Mesoporous Materials, 2019, 288, 109580.	4.4	12
8	Pore condensation and freezing is responsible for ice formation below water saturation for porous particles. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8184-8189.	7.1	113
9	Towards 99mTc- and Re-Based Multifunctional Silica Platforms for Theranostic Applications. Inorganics, 2019, 7, 134.	2.7	5
10	Indigo in the nanochannels of zeolite L: Towards a new type of colorant. Dyes and Pigments, 2018, 149, 456-461.	3.7	22
11	The structure of mesoporous silica obtained by pseudomorphic transformation of SBA-15 and SBA-16. Microporous and Mesoporous Materials, 2018, 257, 232-240.	4.4	17
12	Strategies for Localizing Multiple Functional Groups in Mesoporous Silica Particles through a One-Pot Synthesis. Chemistry of Materials, 2018, 30, 7280-7286.	6.7	8
13	Synthesis of Advanced Mesoporous Materials by Partial Pseudomorphic Transformation. Chimia, 2018, 72, 158-159.	0.6	1
14	Functionalization of arrays of silica nanochannels by post-condensation. Dalton Transactions, 2016, 45, 14363-14369.	3.3	6
15	Supramolecular Organization of Dye Molecules in Zeoliteâ€...L Channels: Synthesis, Properties, and Composite Materials. Chemistry - A European Journal, 2016, 22, 4046-4060.	3.3	33
16	Mesoporous Hybrid Materials by Simultaneous Pseudomorphic Transformation and Functionalization of Silica Microspheres. Particle and Particle Systems Characterization, 2015, 32, 243-250.	2.3	13
17	Incorporation of a FRET dye pair into mesoporous materials: a comparison of fluorescence spectra, FRET activity and dye accessibility. Analyst, The, 2015, 140, 5324-5334.	3.5	20
18	Bimodal mesoporous silica with bottleneck pores. Dalton Transactions, 2015, 44, 17960-17967.	3.3	23

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19	Tuning the aspect ratio of arrays of silica nanochannels. RSC Advances, 2015, 5, 74638-74644.	3.6	8
20	Efficient and Robust Hostâ€“Guest Antenna Composite for Light Harvesting. Chemistry of Materials, 2014, 26, 6878-6885.	6.7	45
21	A novel^{99m}Tc labelling strategy for the development of silica based particles for medical applications. Dalton Transactions, 2014, 43, 4260-4263.	3.3	8
22	Self-Absorption and Luminescence Quantum Yields of Dye-Zeolite L Composites. Journal of Physical Chemistry C, 2013, 117, 23034-23047.	3.1	25
23	Hostâ€“Guest Interactions and Orientation of Dyes in the One-Dimensional Channels of Zeolite L. Langmuir, 2013, 29, 9188-9198.	3.5	44
24	Energy-related Chemical Research at the Universities of Applied sciences. Chimia, 2013, 67, 611.	0.6	1
25	Synthesis of Subphthalocyanines as Probes for the Accessibility of Silica Nanochannels. Organic Letters, 2011, 13, 4918-4921.	4.6	11
26	Correlation of Nitrogen Sorption and Confocal Laser Scanning Microscopy for the Analysis of Amino Group Distributions on Mesoporous Silica. Materials, 2011, 4, 1096-1103.	2.9	8
27	Functional Group Distributions on Mesoporous Silica. Chimia, 2011, 65, 250-252.	0.6	4
28	Designing Dyeâ€“Nanochannel Antenna Hybrid Materials for Light Harvesting, Transport and Trapping. ChemPhysChem, 2011, 12, 580-594.	2.1	90
29	On the Significance of the Anchoring Group in the Design of Antenna Materials Based on Phthalocyanine Stopcocks and Zeoliteâ€¦L. Chemistry - A European Journal, 2011, 17, 1855-1862.	3.3	30
30	Microspectroscopic analysis of green fluorescent proteins infiltrated into mesoporous silica nanochannels. Journal of Colloid and Interface Science, 2011, 356, 123-130.	9.4	15
31	Self-organized patterns of microparticles in polymer films. Thin Solid Films, 2011, 519, 3674-3678.	1.8	1
32	Surprising Properties of a Furoâ€Furanone. Chemistry - A European Journal, 2010, 16, 11289-11299.	3.3	18
33	Direct synthesis and fluorescent imaging of bifunctionalized mesoporous iodopropyl-silica. Journal of Colloid and Interface Science, 2010, 345, 200-205.	9.4	6
34	Spectral-based analysis of thin film luminescent solar concentrators. Solar Energy, 2010, 84, 1366-1369.	6.1	74
35	Influence of the Structural Properties of Mesoporous Silica on the Adsorption of Guest Molecules. Materials, 2010, 3, 4500-4509.	2.9	18
36	The Effect of Water on the Functionalization of Mesoporous Silica with 3-Aminopropyltriethoxysilane. Journal of Physical Chemistry Letters, 2010, 1, 379-382.	4.6	64

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37	Probing Molecular Order in Zeolite L Inclusion Compounds Using Two-Photon Fluorescence Polarimetric Microscopy. Journal of Physical Chemistry B, 2010, 114, 4192-4198.	2.6	30
38	Postsynthetic functionalization of mesoporous silica. Nanoscale, 2010, 2, 887.	5.6	204
39	Photophysical characteristics of green fluorescent proteins embedded in mesoporous silica hosts. , 2010, , .		0
40	Controlling and Imaging the Functionalâ€Group Distribution on Mesoporous Silica. Angewandte Chemie - International Edition, 2009, 48, 6354-6356.	13.8	99
41	A comparative study of the functionalization of mesoporous silica MCM-41 by deposition of 3-aminopropyltrimethoxysilane from toluene and from the vapor phase. Microporous and Mesoporous Materials, 2009, 121, 79-83.	4.4	59
42	Accessibility of Amino Groups in Postsynthetically Modified Mesoporous Silica. Journal of Physical Chemistry C, 2009, 113, 10667-10674.	3.1	60
43	Nanochannels for supramolecular organization of luminescent guests. Journal of Materials Chemistry, 2009, 19, 8040.	6.7	139
44	Functionalized Silicate Nanochannels: Towards Applications in Drug Delivery and Solar Energy Conversion. Chimia, 2009, 63, 8-13.	0.6	10
45	Dyeâ€Modified Nanochannel Materials for Photoelectronic and Optical Devices. Chemistry - A European Journal, 2008, 14, 7442-7449.	3.3	65
46	Controlling Size and Morphology of Zeolite L. , 2008, , 9-19.		10
47	Novel phthalocyanine-based stopcock for zeolite L. Chemical Communications, 2008, , 1187.	4.1	18
48	Nanochannel Materials for Quantum Solar Energy Conversion Devices. Chimia, 2007, 61, 820-822.	0.6	17
49	Nanochannels for Supramolecular Organisation of Dyes. Chimia, 2007, 61, 626-630.	0.6	13
50	Distribution of Amino Groups on a Mesoporous Silica Surface after Submonolayer Deposition of Aminopropylsilanes from an Anhydrous Liquid Phase. Journal of Physical Chemistry C, 2007, 111, 923-929.	3.1	62
51	Light-harvesting hostâ€“guest antenna materials for quantum solar energy conversion devices. Comptes Rendus Chimie, 2006, 9, 214-225.	0.5	29
52	Hexagonal Network Organization of Dye-Loaded Zeoliteâ€‰L Crystals by Surface-Tension Driven Autoassembly. Advanced Functional Materials, 2006, 16, 2213-2217.	14.9	40
53	Inside Front Cover: Hexagonal Network Organization of Dye-Loaded Zeoliteâ€‰L Crystals by Surface-Tension Driven Autoassembly (Adv. Funct. Mater. 17/2006). Advanced Functional Materials, 2006, 16, NA-NA.	14.9	0
54	Selective functionalization of the external surface of zeolite L. Comptes Rendus Chimie, 2005, 8, 391-398.	0.5	27

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55	Synthesis of Zeolite L. Tuning Size and Morphology. Monatshefte FÃ¼r Chemie, 2005, 136, 77-89.	1.8	173
56	Molecular sieves as host materials for supramolecular organization. Microporous and Mesoporous Materials, 2004, 72, 1-23.	4.4	145
57	Selective Modification of the Channel Entrances of Zeolite L with Triethoxysilylated Coumarin. Journal of Physical Chemistry B, 2004, 108, 16348-16352.	2.6	32
58	Molecular sieves as host materials for supramolecular organization. Microporous and Mesoporous Materials, 2004, 72, 1-1.	4.4	4
59	Luminescence properties of Ag2S and Ag4S2in zeolite A. Journal of Materials Chemistry, 2003, 13, 1969-1977.	6.7	40
60	Structure of Ni(II) and Ru(III) Ammine Complexes Grafted onto Mesoporous Silicate Sieve. Journal of Physical Chemistry B, 2003, 107, 8547-8556.	2.6	52
61	Luminescent Silver Sulfide Clusters. Journal of Physical Chemistry B, 2002, 106, 3770-3777.	2.6	94
62	Playing with dye molecules at the inner and outer surface of zeolite L. Solid State Sciences, 2000, 2, 421-447.	3.2	89
63	Quantum-Sized Silver Sulfide Clusters in Zeolite A. Journal of Physical Chemistry B, 1999, 103, 6397-6399.	2.6	63
64	Resorufin in the Channels of Zeolite L. Journal of Physical Chemistry B, 1998, 102, 2923-2929.	2.6	38