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List of Publications by Year
in descending order

75 papers	2,684 citations	172457 29 h-index	189892 50 g-index
76 all docs	76 docs citations	76 times ranked	3242 citing authors

#	Article	IF	Citations
1	Near-Infrared Luminescence from Small Gold Nanocrystals. Journal of Physical Chemistry B, 2000, 104, 6983-6986.	2.6	269
2	Mesoporous metallic rhodium nanoparticles. Nature Communications, 2017, 8, 15581.	12.8	214
3	Electrochemical synthesis of mesoporous gold films toward mesospace-stimulated optical properties. Nature Communications, 2015, 6, 6608.	12.8	178
4	A New Lyotropic Liquid Crystalline System: Oligo(ethylene oxide) Surfactants with [M(H2O)n]Xm Transition Metal Complexes. Angewandte Chemie - International Edition, 2001, 40, 3799-3803.	13.8	128
5	Glycometallate surfactants Part 2: non-aqueous synthesis of mesoporous titanium, zirconium and niobium oxides. Journal of Materials Chemistry, 1999, 9, 1491-1500.	6.7	97
6	Photoluminescent Silicon Clusters in Oriented Hexagonal Mesoporous Silica Film. Advanced Materials, 1999, 11, 474-480.	21.0	88
7	Free-standing mesoporous silica films; morphogenesis of channel and surface patterns. Journal of Materials Chemistry, 1997, 7, 1755-1761.	6.7	73
8	Two-dimensional mesoporous vanadium phosphate nanosheets through liquid crystal templating method toward supercapacitor application. Nano Energy, 2018, 52, 336-344.	16.0	65
9	Liquid Crystalline Mesophases of Pluronics (L64, P65, and P123) and Transition Metal Nitrate Salts ([M(H2O)6](NO3)2). Langmuir, 2005, 21, 4156-4162.	3.5	60
10	Effects of Ions on the Liquid Crystalline Mesophase of Transition-Metal Salt:Surfactant (CnEOm). Journal of Physical Chemistry B, 2004, 108, 8439-8446.	2.6	59
11	Solventless Acid-Free Synthesis of Mesostructured Titania: Nanovessels for Metal Complexes and Metal Nanoclusters. Advanced Functional Materials, 2003, 13, 30-36.	14.9	54
12	Role of Organic and Inorganic Additives on the Assembly of CTAB-P123 and the Morphology of Mesoporous Silica Particles. Journal of Physical Chemistry C, 2009, 113, 18596-18607.	3.1	54
13	The synthesis of mesostructured silica films and monoliths functionalised by noble metal nanoparticles. Journal of Materials Chemistry, 2003, 13, 328-334.	6.7	51
14	First Synthesis of Continuous Mesoporous Copper Films with Uniformly Sized Pores by Electrochemical Soft Templating. Angewandte Chemie - International Edition, 2016, 55, 12746-12750.	13.8	50
15	Salted mesostructures: salt-liquid crystal templating of lithium triflate-oligo(ethylene oxide) surfactant-mesoporous silica nanocomposite films and monoliths. Journal of Materials Chemistry, 1999, 9, 1475-1482.	6.7	49
16	Spectroscopic Investigation of Nitrateâ^'Metal and Metalâ^'Surfactant Interactions in the Solid AgNO3/C12EO10and Liquid-Crystalline [M(H2O)n](NO3)2/C12EO10Systems. Langmuir, 2003, 19, 3671-3676.	3.5	48
17	Lyotropic Liquid-Crystalline Phase of Oligo(ethylene oxide) Surfactant/Transition Metal Salt and the Synthesis of Mesostructured Cadmium Sulfide. Chemistry of Materials, 2003, 15, 2711-2717.	6.7	47
18	Assembling Photoluminescent Silicon Nanocrystals into Periodic Mesoporous Organosilica. Journal of the American Chemical Society, 2012, 134, 8439-8446.	13.7	47

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19	Periodic Mesoporous Hydridosilica â^' Synthesis of an â€œImpossibleâ€•Material and Its Thermal Transformation into Brightly Photoluminescent Periodic Mesoporous Nanocrystal Silicon-Silica Composite. Journal of the American Chemical Society, 2011, 133, 5094-5102.	13.7	44
20	Nanostructures: New forms of luminescent silicon. Advanced Materials, 1995, 7, 72-78.	21.0	41
21	New forms of luminescent silicon: Silicon-silica composite mesostructures. Chemical Vapor Deposition, 1996, 2, 8-13.	1.3	41
22	One-Pot Synthesis of CdS Nanoparticles in the Channels of Mesosructured Silica Films and Monoliths. Chemistry of Materials, 2005, 17, 573-579.	6.7	39
23	Continuous Mesoporous Pd Films by Electrochemical Deposition in Nonionic Micellar Solution. Chemistry of Materials, 2017, 29, 6405-6413.	6.7	39
24	Highly Proton Conductive Phosphoric Acidâ€“Nonionic Surfactant Lyotropic Liquid Crystalline Mesophases and Application in Graphene Optical Modulators. ACS Nano, 2014, 8, 11007-11012.	14.6	37
25	Moltenâ€Saltâ€Assisted Selfâ€Assembly (MASA)â€Synthesis of Mesoporous Metal Titanateâ€Titania, Metal Sulfideâ€Titania, and Metal Selenideâ€Titania Thin Films. Advanced Functional Materials, 2013, 23, 4002-4010.	14.9	36
26	The effect of cationic surfactant and some organic/inorganic additives on the morphology of mesostructured silica templated by pluronics. Microporous and Mesoporous Materials, 2008, 115, 548-555.	4.4	33
27	Spatially Confined Redox Chemistry in Periodic Mesoporous Hydridosilicaâ€“Nanosilver Grown in Reducing Nanopores. Journal of the American Chemical Society, 2011, 133, 17454-17462.	13.7	32
28	Effect of microgravity on the crystallization of a self-assembling layered material. Nature, 1997, 388, 857-860.	27.8	31
29	Origin of Lyotropic Liquid Crystalline Mesophase Formation and Liquid Crystalline to Mesostructured Solid Transformation in the Metal Nitrate Saltâ^'Surfactant Systems. Langmuir, 2011, 27, 870-873.	3.5	28
30	A New, Highly Conductive, Lithium Salt/Nonionic Surfactant, Lyotropic Liquidâ€Crystalline Mesophase and Its Application. Chemistry - A European Journal, 2012, 18, 4190-4194.	3.3	28
31	Mesoporous MnCo₂O₄, NiCo₂O₄, and ZnCo₂O₄ Thin-Film Electrodes as Electrocatalysts for the Oxygen Evolution Reaction in Alkaline Solutions. ACS Applied Energy Materials, 2021, 4, 2769-2785.	5.1	27
32	Green Nanochemistry: Metal Oxide Nanoparticles and Porous Thin Films from Bare Metal Powders. Small, 2012, 8, 68-72.	10.0	26
33	Standing Mesochannels: Mesoporous PdCu Films with Vertically Aligned Mesochannels from Nonionic Micellar Solutions. ACS Applied Materials & Interfaces, 2018, 10, 40623-40630.	8.0	25
34	Germanium nanoclusters: Chemical vapor deposition of digermane in zeolite Y and mordenite. Advanced Materials, 1994, 6, 147-150.	21.0	24
35	Lyotropic Liquid-Crystalline Mesophases of [Zn(H₂O)₆](NO₃)₂â^'C₁₂EO₁₀â^'CTABâ^'H₂O and [Zn(H₂O)₆](NO₃)₂â^'C₁₂EO₁₀â^'SDSâ^'H₂O Systems. Langmuir, 2008, 24, 10592-10595.	3.5	24
36	Electronic structure and spectra for square complexes containing sulfur-donor ligands: M(dto)22+ (M = platinum(II), palladium(II); dto = 3,6-dithiaoctane), M(SCN)42- (M = Pt(II), Pd(II)), and M(Et-Xan)2 (M =) Tj ETQq0 0 0 rgBT /Overloc		

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37	Synthesis of Stable Mesostructured Coupled Semiconductor Thin Films: meso-CdS-TiO₂ and meso-CdSe-TiO₂. Langmuir, 2010, 26, 538-544.	3.5	23
38	Phase Separation in Liquid Crystalline Mesophases of [Co(H2O)6]X2:P65 Systems (X = NO3-, Cl-, or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.5	22
39	Synthesis of Nanoamorphous Germanium and Its Transformation to Nanocrystalline Germanium. Small, 2012, 8, 921-929.	10.0	22
40	Silver Nitrate/Oligo(ethylene Oxide) Surfactant/Mesoporous Silica Nanocomposite Films and Monoliths. Journal of Colloid and Interface Science, 2001, 238, 203-207.	9.4	21
41	Synthesis and water oxidation electrocatalytic and electrochromic behaviours of mesoporous nickel oxide thin film electrodes. Journal of Materials Chemistry A, 2019, 7, 22012-22020.	10.3	21
42	Synthesis of solid solutions of Cd1â^'xZnxS nanocrystals in the channels of mesostructured silica films. Journal of Materials Chemistry, 2006, 16, 2048-2055.	6.7	20
43	Effect of hygroscopicity of the metal salt on the formation and air stability of lyotropic liquid crystalline mesophases in hydrated saltâ€“surfactant systems. Journal of Colloid and Interface Science, 2014, 433, 26-33.	9.4	20
44	Electrochemical deposition of large-sized mesoporous nickel films using polymeric micelles. Chemical Communications, 2018, 54, 10347-10350.	4.1	20
45	Molten Salt Assisted Self Assembly (MASA): Synthesis of Mesoporous Metal Titanate (CoTiO₃, MnTiO₃, and Li₄Ti₅O₁₂) Thin Films and Monoliths. Chemistry of Materials, 2014, 26, 6050-6057.	6.7	19
46	Chalcogenide Distribution in Microporous Layered Tin(IV) Thioselenide, TMA2Sn3SxSe7-x, Materials. Journal of Physical Chemistry B, 1998, 102, 2356-2366.	2.6	18
47	Synthesis of mesostructured metal sulfide films using [M(H2O)n](NO3)2:P85 (M = Cd(ii) and Zn(ii)) liquid crystalline mesophases. Journal of Materials Chemistry, 2008, 18, 3467.	6.7	18
48	A New Form of Luminescent Silicon: Synthesis of Silicon Nanoclusters in Zeolite Y. Studies in Surface Science and Catalysis, 1994, 84, 1107-1114.	1.5	16
49	Highly Conducting Lyotropic Liquid Crystalline Mesophases of Pluronics (P65, P85, P103, and P123) and Hydrated Lithium Salts (LiCl and LiNO₃). Langmuir, 2014, 30, 6938-6945.	3.5	15
50	First Synthesis of Continuous Mesoporous Copper Films with Uniformly Sized Pores by Electrochemical Soft Templating. Angewandte Chemie, 2016, 128, 12938-12942.	2.0	15
51	Molten Salt Assisted Selfâ€Assembly: Synthesis of Mesoporous LiCoO₂ and LiMn₂O₄ Thin Films and Investigation of Electrocatalytic Water Oxidation Performance of Lithium Cobaltate. Small, 2018, 14, 1701913.	10.0	14
52	Synthesis of mesoporous LiMn₂O₄and LiMn_{2â^'x}Co_xO₄thin films using the MASA approach as efficient water oxidation electrocatalysts. Journal of Materials Chemistry A, 2018, 6, 13925-13933.	10.3	13
53	Lithium saltâ€“nonionic surfactant lyotropic liquid crystalline gel-electrolytes with redox couple for dye sensitized solar cells. RSC Advances, 2016, 6, 97430-97437.	3.6	12
54	Spectroelectrochemistry of potassium ethylxanthate, bis(ethylxanthato)nickel(ii) and tetraethylammonium tris(ethylxanthato)nickelate(ii)â€. Dalton Transactions RSC, 2001, , 2819-2824.	2.3	11

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55	From Bare Metal Powders to Colloidally Stable TCO Dispersions and Transparent Nanoporous Conducting Metal Oxide Thin Films. Small, 2012, 8, 3806-3809.	10.0	11
56	The role of charged surfactants in the thermal and structural properties of lyotropic liquid crystalline mesophases of [Zn(H2O)6](NO3)2?CnEOm?H2O. Journal of Colloid and Interface Science, 2010, 341, 109-116.	9.4	10
57	Fabrication of Mesoporous Metal Chalcogenide Nanoflake Silica Thin Films and Spongy Mesoporous CdS and CdSe. Chemistry - A European Journal, 2012, 18, 3695-3705.	3.3	10
58	Strong Acidâ€“Nonionic Surfactant Lyotropic Liquid-Crystalline Mesophases as Media for the Synthesis of Carbon Quantum Dots and Highly Proton Conducting Mesostructured Silica Thin Films and Monoliths. Langmuir, 2015, 31, 10265-10271.	3.5	10
59	Lyotropic Liquid Crystalline Mesophase of Sulfuric Acidâ€“Nonionic Surfactant Stabilizes Lead(II) Oxide in Sulfuric Acid Concentrations Relevant to Lead Acid Batteries. ACS Omega, 2017, 2, 3785-3791.	3.5	9
60	Lyotropic Liquid Crystal to Soft Mesocrystal Transformation in Hydrated Saltâ€“Surfactant Mixtures. Chemistry - A European Journal, 2013, 19, 15026-15035.	3.3	7
61	Electrochemical Synthesis of Mesoporous Architectured Ru Films Using Supramolecular Templates. Small, 2020, 16, e2002489.	10.0	7
62	Role of Water in the Lyotropic Liquid Crystalline Mesophase of Lithium Salts and Non-ionic Surfactants. Langmuir, 2021, 37, 14443-14453.	3.5	7
63	Synthesis of Mesoporous Lithium Titanate Thin Films and Monoliths as an Anode Material for Highâ€Rate Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 18873-18880.	3.3	6
64	Modifying Titania Using the Molten-Salt-Assisted Self-Assembly Process for Cadmium Selenideâ€“Quantum Dot-Sensitized Photoanodes. ACS Omega, 2017, 2, 4982-4990.	3.5	6
65	Lyotropic Liquid Crystalline Mesophases Made of Saltâ€Acidâ€Surfactant Systems for the Synthesis of Novel Mesoporous Lithium Metal Phosphates. ChemPlusChem, 2019, 84, 1544-1553.	2.8	6
66	Modification of Mesoporous LiMn₂O₄ and LiMn_{2â^'}_xCo_xO₄ by SILAR Method for Highly Efficient Water Oxidation Electrocatalysis. Advanced Materials Technologies, 2020, 5, 2000353.	5.8	6
67	Role of Water in the Lyotropic Liquid Crystalline Lithium Iodideâ€“Iodineâ€“Waterâ€“C₁₂E₁₀ Mesophase as a Gel Electrolyte in a Dye-Sensitized Solar Cell. Langmuir, 2021, 37, 8305-8313.	3.5	6
68	Saltâ€Acidâ€Surfactant Lyotropic Liquid Crystalline Mesophases: Synthesis of Highly Transparent Mesoporous Calcium Hydroxyapatite Thin Films. European Journal of Inorganic Chemistry, 2016, 2016, 2114-2121.	2.0	5
69	Lyotropic Liquid-Crystalline Mesophase of Lithium Triflateâ€“Nonionic Surfactant as Gel Electrolyte for Graphene Optical Modulator. Journal of Physical Chemistry C, 2017, 121, 11194-11200.	3.1	5
70	The effect of anions of transition metal salts on the structure of modified mesostructured silica films and monoliths. Microporous and Mesoporous Materials, 2007, 98, 249-257.	4.4	4
71	Mesoporous Thin Films: Molten Salt Assisted Selfâ€Assembly: Synthesis of Mesoporous LiCoO₂ and LiMn₂O₄ Thin Films and Investigation of Electrocatalytic Water Oxidation Performance of Lithium Cobaltate (Small 1/2018). Small, 2018, 14, 1870003.	10.0	3
72	Periodic Mesoporous Organosilicas (PMOs): Nanostructured Organic-Inorganic Hybrid Materials. Materials Research Society Symposia Proceedings, 2000, 628, 1.	0.1	3

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73	Si1â^'xGexY Alloy Nanocluster Materials Chemical Vapor Deposition of Si2H6Ge2H6 Mixtures in Zeolite Y. Materials Research Society Symposia Proceedings, 1994, 358, 87.	0.1	2
74	Reductive deposition of Au³⁺(aq) on oÃ—idized silicon surfaces. Canadian Journal of Chemistry, 2000, 78, 516-519.	1.1	2
75	Inside Cover: A New, Highly Conductive, Lithium Salt/Nonionic Surfactant, Lyotropic Liquidâ€Crystalline Mesophase and Its Application (Chem. Eur. J. 14/2012). Chemistry - A European Journal, 2012, 18, 4130-4130.	3.3	1