Frank Marlow

List of Publications by Year
in descending order

41 papers	1,552 citations	430754 18 h-index	289141 40 g-index
45 all docs	45 docs citations	45 times ranked	1783 citing authors

#	Article	IF	Citations
1	A purely ionic voltage effect soft triode. Physical Chemistry Chemical Physics, 2022, 24, 8311-8320.	1.3	3
2	Structure and Optical Properties of Opal Films Made by an Out-of-Plane Electric Field-Assisted Capillary Deposition Method. ACS Omega, 2022, 7, 8084-8090.	1.6	1
3	Reversible Photoalignment of Azobenzene in the SURMOF HKUST-1. Journal of Physical Chemistry Letters, 2021, 12, 8903-8908.	2.1	6
4	Analytical model for transmission dips in selfassembled two-dimensional colloidal crystals. Applied Optics, 2021, 60, 10305-10311.	0.9	0
5	Electrochemical Impedance Spectroscopy at Redox-Type Liquid|Liquid Interfaces: The Capacitance Lag. Journal of Physical Chemistry C, 2020, 124, 4101-4108.	1.5	2
6	Transparency and Diffused Light Efficiency of Dye-Sensitized Solar Cells: Tuning and a New Figure of Merit. IEEE Journal of Photovoltaics, 2020, 10, 522-530.	1.5	38
7	Modeling disorder in two-dimensional colloidal crystals based on electron microscope measurements. Applied Optics, 2020, 59, 10432.	0.9	6
8	High surface area black TiO2 templated from ordered mesoporous carbon for solar driven hydrogen evolution. Microporous and Mesoporous Materials, 2018, 268, 162-169.	2.2	18
9	Optical investigation of porous TiO2 in mesostructured solar cells. , 2018, , .		3
10	Site-Selective TiO₂ Coating on Asymmetric Patchy Particles. Langmuir, 2017, 33, 10561-10567.	1.6	3
11	Colloidal crystal formation: nano-dewetting and the assembly process. Proceedings of SPIE, 2016, , .	0.8	1
12	Is the Charge Transport in Dyeâ€Sensitized Solar Cells Really Understood?. Advanced Materials, 2015, 27, 2447-2452.	11.1	16
13	A one-step method to coat polystyrene particles with an organo-silica shell and their functionalization. Materials Chemistry and Physics, 2015, 162, 548-554.	2.0	14
14	Observation of Nanoâ€Dewetting in Colloidal Crystal Drying. Angewandte Chemie - International Edition, 2014, 53, 8761-8764.	7.2	11
15	Opal Shell Structures: Direct Assembly versus Inversion Approach. ChemPhysChem, 2013, 14, 2893-2896.	1.0	2
16	Synthesis of Monodisperse Polystyrene@Vinyl-SiO₂ Coreâ€“Shell Particles and Hollow SiO₂ Spheres. Chemistry of Materials, 2012, 24, 536-542.	3.2	94
17	Monodisperse titania microspheres via controlled nanoparticle aggregation. Physical Chemistry Chemical Physics, 2012, 14, 7490.	1.3	7
18	Existence of a Lower Critical Radius for Incorporation of Silica Particles into Zinc during Electro-codeposition. ACS Applied Materials & Interfaces, 2012, 4, 6221-6227.	4.0	16

#	Article	IF	Citations
19	Electrodeposition of zincâ€“silica composite coatings: challenges in incorporating functionalized silica particles into a zinc matrix. Science and Technology of Advanced Materials, 2011, 12, 055005.	2.8	38
20	Opals: Status and Prospects. Angewandte Chemie - International Edition, 2009, 48, 6212-6233.	7.2	331
21	Postâ€Deposition Opal Evolution. ChemPhysChem, 2008, 9, 1541-1547.	1.0	20
22	Diffusion in Coiled Pores â^' Learning from Microrelease and Microsurgery. Journal of the American Chemical Society, 2007, 129, 10561-10566.	6.6	10
23	Release from Silica SBA-3-like Mesoporous Fibers: Cross-Wall Transport and External Diffusion Barrier. ChemPhysChem, 2007, 8, 188-194.	1.0	22
24	Tuning of ordered porous skeleton structures. Microporous and Mesoporous Materials, 2007, 99, 236-243.	2.2	9
25	Solvent Effects in Colloidal Crystal Deposition. Chemistry of Materials, 2006, 18, 1803-1810.	3.2	49
26	Comment on â€œGas Diffusion and Microstructural Properties of Ordered Mesoporous Silica Fibersâ€• Journal of Physical Chemistry B, 2006, 110, 11604-11605.	1.2	5
27	Structure and properties of low-n mesoporous silica films for optical applications. Thin Solid Films, 2006, 495, 333-337.	0.8	20
28	Texture Effects of Circularly Ordered Fibers. ChemPhysChem, 2005, 6, 1269-1275.	1.0	3
29	Improved Controllability of Opal Film Growth Using Capillaries for the Deposition Process. Journal of Physical Chemistry B, 2005, 109, 9939-9945.	1.2	63
30	Controlled Arrangement of Colloidal Crystal Strips. Chemistry of Materials, 2005, 17, 3809-3811.	3.2	33
31	Engineering Nanoarchitectures for Photonic Crystals. ChemPhysChem, 2003, 4, 549-554.	1.0	24
32	Photonic crystals with skeleton structure. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 431-432.	1.3	8
33	New Type of Inverse Opals:Â Titania With Skeleton Structure. Chemistry of Materials, 2003, 15, 568-574.	3.2	78
34	Mesoporous Silica Fibers:Â Synthesis, Internal Structure, and Growth Kinetics. Chemistry of Materials, 2001, 13, 3587-3595.	3.2	139
35	Simulation of powder diffraction patterns of modified ordered mesoporous materials. Physical Chemistry Chemical Physics, 2001, 3, Unassigned.	1.3	122
36	Doped mesoporous silica fibers: the internal structure. Microporous and Mesoporous Materials, 2000, 39, 37-42.	2.2	22

#	Article	IF	Citations
37	Doped Mesoporous Silica Fibers: A New Laser Material. Advanced Materials, 1999, 11, 632-636.	11.1	225
38	Doped Mesoporous Silica Fibers: A New Laser Material. , 1999, 11, 632.		2
39	Doped Mesoporous Silica Fibers: A New Laser Material. Advanced Materials, 1999, 11, 632-636.	11.1	4
40	Switching of optical properties in zeolitic nanocomposites. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1997, 101, 1731-1734.	0.9	8
41	Photoinduced switching in nanocomposites of azobenzene and molecular sieves. Advanced Materials, 1997, 9, 567-570.	11.1	40