David Grosso

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6777221/publications.pdf

Version: 2024-02-01

185 papers	14,295 citations	22153 59 h-index	20358 116 g-index
185 all docs	185 docs citations	185 times ranked	12089 citing authors

#	Article	IF	Citations
1	Study of a liquid crystal impregnated diffraction grating for active waveguide addressing. , 2022, , .		5
2	Robust and conductive mesoporous reduced graphene oxide-silica hybrids achieved by printing and the sol gel route. Journal of the European Ceramic Society, 2021, 41, 2908-2917.	5.7	10
3	Porosimetry for Thin Films of Metalâ€“Organic Frameworks: A Comparison of Positron Annihilation Lifetime Spectroscopy and Adsorptionâ€Based Methods. Advanced Materials, 2021, 33, e2006993.	21.0	40
4	Porosimetry: Porosimetry for Thin Films of Metalâ€“Organic Frameworks: A Comparison of Positron Annihilation Lifetime Spectroscopy and Adsorptionâ€Based Methods (Adv. Mater. 17/2021). Advanced Materials, 2021, 33, 2170133.	21.0	3
5	Nanoimprint Lithography Processing of Inorganic-Based Materials. Chemistry of Materials, 2021, 33, 5464-5482.	6.7	25
6	Scalable Disordered Hyperuniform Architectures via Nanoimprint Lithography of Metal Oxides. ACS Applied Materials & Interfaces, 2021, 13, 37761-37774.	8.0	12
7	Quasi-Guided Modes in Titanium Dioxide Arrays Fabricated via Soft Nanoimprint Lithography. ACS Applied Materials & Interfaces, 2021, 13, 47860-47870.	8.0	7
8	Enhanced Refractive Index Sensitivity through Combining a Solâ€“Gel Adsorbate with a TiO2 Nanoimprinted Metasurface for Gas Sensing. ACS Applied Materials & Interfaces, 2021, , .	8.0	4
9	Flexible photonic devices based on dielectric antennas. JPhys Photonics, 2020, 2, 015002.	4.6	10
10	Ionic Diffusion, Nanoparticle Formation and Trapping Within Solâ€Gel Made Pillared Planar Nanochannels in a Simple Microfluidic Device. ChemNanoMat, 2020, 6, 392-403.	2.8	0
11	Methylated Silica Surfaces Having Tapered Nipple-Dimple Nanopillar Morphologies as Robust Broad-Angle and Broadband Antireflection Coatings. ACS Applied Nano Materials, 2020, 3, 5231-5239.	5.0	13
12	Following in Situ the Degradation of Mesoporous Silica in Biorelevant Conditions: At Last, a Good Comprehension of the Structure Influence. ACS Applied Materials & Interfaces, 2020, 12, 13598-13612.	8.0	25
13	Quantifying the Extent of Ligand Incorporation and the Effect on Properties of TiO₂ Thin Films Grown by Atomic Layer Deposition Using an Alkoxide or an Alkylamide. Chemistry of Materials, 2020, 32, 1393-1407.	6.7	38
14	Enhanced nanoscopy of individual CsPbBr3 perovskite nanocrystals using dielectric sub-micrometric antennas. APL Materials, 2020, 8, 021109.	5.1	9
15	Nanoâ€Structures and Nanomaterials Selfâ€Assembly. Physica Status Solidi (B): Basic Research, 2019, 256, 1900345.	1.5	0
16	Pore Size-Dependent Structure of Confined Water in Mesoporous Silica Films from Water Adsorption/Desorption Using ATRâ€“FTIR Spectroscopy. Langmuir, 2019, 35, 11986-11994.	3.5	38
17	In-Depth Study of Coating Multimodal Porosity Using Ellipsometry Porosimetry in Desorption Scanning Mode. Journal of Physical Chemistry C, 2019, 123, 23464-23479.	3.1	11
18	Bimodal Porosity and Stability of a TiO2 Gig-Lox Sponge Infiltrated with Methyl-Ammonium Lead Iodide Perovskite. Nanomaterials, 2019, 9, 1300.	4.1	7

#	Article	IF	Citations
19	Porous Gig-Lox TiO2 Doped with N2 at Room Temperature for P-Type Response to Ethanol. Chemosensors, 2019, 7, 12.	3.6	4
20	Large Scale Self-Organization of 2D Hexagonal Ge and Au Nanodots on Patterned TiO2 for Optoelectronic Applications. ACS Applied Nano Materials, 2019, 2, 2026-2035.	5.0	8
21	Multifunctional Metasurfaces Based on Direct Nanoimprint of Titania Solâ€“Gel Coatings. Advanced Optical Materials, 2019, 7, 1801406.	7.3	36
22	Nitrogen doped spongy TiO2 layers for sensors application. Materials Science in Semiconductor Processing, 2019, 98, 44-48.	4.0	8
23	Crystal Growth in Mesoporous TiO₂ Optical Thin Films. Journal of Physical Chemistry C, 2019, 123, 6070-6079.	3.1	7
24	Tuning Mesoporous Silica Film Accessibility Through Controlled Dissolution in NH₄F: Investigation of Structural Change by Ellipsometry Porosimetry and X-ray Reflectivity. Journal of Physical Chemistry C, 2019, 123, 30398-30406.	3.1	7
25	Templated dewetting of single-crystal sub-millimeter-long nanowires and on-chip silicon circuits. Nature Communications, 2019, 10, 5632.	12.8	33
26	Method To Detect Ethanol Vapor in High Humidity by Direct Reflection on a Xerogel Coating. ACS Applied Materials & Interfaces, 2019, 11, 4439-4446.	8.0	2
27	Conductive-bridge memory cells based on a nanoporous electrodeposited GeSbTe alloy. Nanotechnology, 2019, 30, 025202.	2.6	12
28	Solid-state dewetting of single-crystal silicon on insulator: effect of annealing temperature and patch size. Microelectronic Engineering, 2018, 190, 1-6.	2.4	12
29	Dynamic Shaping of Femtoliter Dew Droplets. ACS Nano, 2018, 12, 3243-3252.	14.6	17
30	Environment-controlled solâ€“gel soft-NIL processing for optimized titania, alumina, silica and yttria-zirconia imprinting at sub-micron dimensions. Nanoscale, 2018, 10, 1420-1431.	5.6	24
31	Design of UV-crosslinked polymeric thin layers for encapsulation of piezoelectric ZnO nanowires for pressure-based fingerprint sensors. Journal of Materials Chemistry C, 2018, 6, 605-613.	5.5	16
32	Distribution of fluoroalkylsilanes in hydrophobic hybrid solâ€“gel coatings obtained by co-condensation. Journal of Materials Chemistry A, 2018, 6, 24899-24910.	10.3	15
33	Titaniaâ€Based Spherical Mie Resonators Elaborated by Highâ€Throughput Aerosol Spray: Single Object Investigation. Advanced Functional Materials, 2018, 28, 1801958.	14.9	22
34	Influence of experimental parameters on the side reactions of hydrosilylation of allyl polyethers studied by a fractional factorial design. Reaction Chemistry and Engineering, 2018, 3, 696-706.	3.7	9
35	Self-assembled antireflection coatings for light trapping based on SiGe random metasurfaces. Physical Review Materials, 2018, 2, .	2.4	13
36	Ethanolâ€“water co-condensation into hydrophobic mesoporous thin films: example of a photonic ethanol vapor sensor in humid environment. Journal of Sol-Gel Science and Technology, 2017, 81, 95-104.	2.4	6

#	Article	IF	Citations
37	Suppressing Structural Colors of Photocatalytic Optical Coatings on Glass: The Critical Role of SiO2. ACS Applied Materials & Interfaces, 2017, 9, 14093-14102.	8.0	14
38	Full Investigation of Angle Dependence in Dip-Coating Solâ€“Gel Films. Journal of Physical Chemistry B, 2017, 121, 6220-6225.	2.6	13
39	Critical Role of the Atmosphere in Dip-Coating Process. Journal of Physical Chemistry C, 2017, 121, 14572-14580.	3.1	31
40	Spatially controlled positioning of coordination polymer nanoparticles onto heterogeneous nanostructured surfaces. Nanoscale, 2017, 9, 5234-5243.	5.6	9
41	Complex dewetting scenarios of ultrathin silicon films for large-scale nanoarchitectures. Science Advances, 2017, 3, eaao1472.	10.3	74
42	â€œBlackâ€•Titania Coatings Composed of Solâ€“Gel Imprinted Mie Resonators Arrays. Advanced Functional Materials, 2017, 27, 1604924.	14.9	28
43	Nanoimprinted, Submicrometric, MOFâ€Based 2D Photonic Structures: Toward Easy Selective Vapors Sensing by a Smartphone Camera. Advanced Functional Materials, 2016, 26, 81-90.	14.9	85
44	Converting Water Adsorption and Capillary Condensation in Usable Forces with Simple Porous Inorganic Thin Films. ACS Nano, 2016, 10, 10031-10040.	14.6	47
45	Vapor Sensing: Nanoimprinted, Submicrometric, MOFâ€Based 2D Photonic Structures: Toward Easy Selective Vapors Sensing by a Smartphone Camera (Adv. Funct. Mater. 1/2016). Advanced Functional Materials, 2016, 26, 80-80.	14.9	1
46	Self-assembled inorganic nanopatterns (INPs) made by sol-gel dip-coating: Applications in nanotechnology and nanofabrication. Comptes Rendus Chimie, 2016, 19, 248-265.	0.5	13
47	A New Dip Coating Method to Obtain Largeâ€Surface Coatings with a Minimum of Solution. Advanced Materials, 2015, 27, 4958-4962.	21.0	64
48	Hydrophobization of marble pore surfaces using a total immersion treatment method â€“ Influence of co-solvents and temperature on fluorosurfactant vesicle behavior. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 483, 104-111.	4.7	8
49	Critical effect of pore characteristics on capillary infiltration in mesoporous films. Nanoscale, 2015, 7, 5371-5382.	5.6	63
50	Hydrophobization of marble pore surfaces using a total immersion treatment method â€“ Product selection and optimization of concentration and treatment time. Progress in Organic Coatings, 2015, 85, 159-167.	3.9	20
51	Resistant RuO₂/SiO₂ Absorbing Solâ€“Gel Coatings for Solar Energy Conversion at High Temperature. Chemistry of Materials, 2015, 27, 2711-2717.	6.7	20
52	Ultraporous nanocrystalline TiO₂-based films: synthesis, patterning and application as anti-reflective, self-cleaning, superhydrophilic coatings. Nanoscale, 2015, 7, 19419-19425.	5.6	27
53	Towards bottom-up nanopatterning of Prussian blue analogues. Beilstein Journal of Nanotechnology, 2014, 5, 1933-1943.	2.8	9
54	Waterâ€Induced Phase Separation Forming Macrostructured Epitaxial Quartz Films on Silicon. Advanced Functional Materials, 2014, 24, 5494-5502.	14.9	22

#	Article	IF	Citations
55	From Chemical Solutions to Inorganic Nanostructured Materials: A Journey into Evaporation-Driven Processes. Chemistry of Materials, 2014, 26, 709-723.	6.7	70
56	Liquid deposition approaches to self-assembled periodic nanomasks. Scripta Materialia, 2014, 74, 13-18.	5.2	10
57	â€œIntegrative solâ€“gel chemistryâ€• a nanofoundry for materials science. Journal of Sol-Gel Science and Technology, 2014, 70, 216-226.	2.4	31
58	Role of quantum confinement in luminescence efficiency of group IV nanostructures. Journal of Applied Physics, 2014, 115, .	2.5	22
59	Molecular Engineering of Functional Inorganic and Hybrid Materials. Chemistry of Materials, 2014, 26, 221-238.	6.7	147
60	Quartz Films: Water-Induced Phase Separation Forming Macrostructured Epitaxial Quartz Films on Silicon (Adv. Funct. Mater. 35/2014). Advanced Functional Materials, 2014, 24, 5493-5493.	14.9	1
61	Mesoscopically structured nanocrystalline metal oxide thin films. Nanoscale, 2014, 6, 14025-14043.	5.6	18
62	A direct novel synthesis of highly uniform dispersed ruthenium nanoparticles over P6mm ordered mesoporous carbon by hostâ€“guest complexes. Journal of Materials Chemistry A, 2014, 2, 6641-6648.	10.3	12
63	Engineering Functionality Gradients by Dip Coating Process in Acceleration Mode. ACS Applied Materials & Interfaces, 2014, 6, 17102-17110.	8.0	51
64	Water Capillary Condensation Effect on the Photocatalytic Activity of Porous TiO₂ in Air. Journal of Physical Chemistry C, 2014, 118, 17710-17716.	3.1	25
65	Alcohol-Assisted Water Condensation and Stabilization into Hydrophobic Mesoporosity. Journal of Physical Chemistry C, 2014, 118, 23907-23917.	3.1	19
66	Confinement-Induced Growth of Au Nanoparticles Entrapped in Mesoporous TiO2 Thin Films Evidenced by in Situ Thermo-Ellipsometry. Journal of Physical Chemistry C, 2014, 118, 13137-13151.	3.1	30
67	Solâ€“Gel Based Hydrophobic Antireflective Coatings on Organic Substrates: A Detailed Investigation of Ammonia Vapor Treatment (AVT). Chemistry of Materials, 2014, 26, 1822-1833.	6.7	67
68	Structural Transitions in Asymmetric Poly(styrene)-block-Poly(lactide) Thin Films Induced by Solvent Vapor Exposure. ACS Applied Materials & Interfaces, 2014, 6, 12146-12152.	8.0	25
69	Self-assembled titanium calcium oxide nanopatterns as versatile reactive nanomasks for dry etching lithographic transfer with high selectivity. Nanoscale, 2013, 5, 984-990.	5.6	20
70	Probing the energy barriers and magnetization reversal processes of nanoperforated membrane based percolated media. Nanotechnology, 2013, 24, 145702.	2.6	15
71	Studies on atomic layer deposition of MOF-5 thin films. Microporous and Mesoporous Materials, 2013, 182, 147-154.	4.4	76
72	Luminescence properties of ZrO2 mesoporous thin films doped with Eu3+ and Agn. Microporous and Mesoporous Materials, 2013, 170, 123-130.	4.4	14

#	Article	IF	Citations
73	Electrochemical approaches for the fabrication and/or characterization of pure and hybrid templated mesoporous oxide thin films: a review. Analytical and Bioanalytical Chemistry, 2013, 405, 1497-1512.	3.7	71
74	Pt||ZrO2 nanoelectrode array synthesized through the solâ€“gel process: evaluation of their sensing capability. Journal of Solid State Electrochemistry, 2013, 17, 1099-1107.	2.5	6
75	Soft-Chemistryâ€“Based Routes to Epitaxial Î±-Quartz Thin Films with Tunable Textures. Science, 2013, 340, 827-831.	12.6	64
76	(Invited) Photoluminescence Efficiency of Germanium Dots Self-Assembled on Oxides. ECS Transactions, 2013, 53, 185-206.	0.5	11
77	Green Microwave Synthesis of MILâ€100(Al, Cr, Fe) Nanoparticles for Thinâ€Film Elaboration. European Journal of Inorganic Chemistry, 2012, 2012, 5165-5174.	2.0	176
78	Understanding crystallization processes of NiO/Ce0.9Gd0.1O2âˆ’Î´ solâ€“gel processed thin films for the design of efficient electrodes: an in situ thermal ellipsometry analysis. Journal of Materials Chemistry, 2012, 22, 9368.	6.7	12
79	Distance Dependence of the Photocatalytic Efficiency of TiO₂ Revealed by in Situ Ellipsometry. Journal of the American Chemical Society, 2012, 134, 10761-10764.	13.7	42
80	Using Solâ€“Gel Replications to Assess the Porosity of Block-Copolymer Derived Thin Films. Journal of Physical Chemistry C, 2012, 116, 5295-5302.	3.1	11
81	Critical aspects in the production of periodically ordered mesoporous titania thin films. Nanoscale, 2012, 4, 2549.	5.6	114
82	Nanoporous Piezo- and Ferroelectric Thin Films. Langmuir, 2012, 28, 2944-2949.	3.5	31
83	Highly Controlled Dip-Coating Deposition of fct FePt Nanoparticles from Layered Salt Precursor into Nanostructured Thin Films: An Easy Way To Tune Magnetic and Optical Properties. Chemistry of Materials, 2012, 24, 1072-1079.	6.7	40
84	Direct nano-in-micropatterning of TiO2 thin layers and TiO2/Pt nanoelectrode arrays by deep X-ray lithography. Journal of Materials Chemistry, 2011, 21, 3597.	6.7	36
85	Emission-photoactivity cross-processing of mesoporous interfacial charge transfer in Eu3+ doped titania. Physical Chemistry Chemical Physics, 2011, 13, 11878.	2.8	18
86	Characterization of Nanoporous Polystyrene Thin Films by Environmental Ellipsometric Porosimetry. Macromolecules, 2011, 44, 8892-8897.	4.8	20
87	Tailored 3D Interface for Efficiency Improvement in Encapsulation-Free Hybrid Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2011, 3, 3248-3251.	8.0	3
88	Understanding Crystallization of Anatase into Binary SiO₂/TiO₂ Solâˆ’Gel Optical Thin Films: An in Situ Thermal Ellipsometry Analysis. Journal of Physical Chemistry C, 2011, 115, 3115-3122.	3.1	46
89	NbVO₅ Mesoporous Thin Films by Evaporation Induced Micelles Packing: Pore Size Dependence of the Mechanical Stability upon Thermal Treatment and Li Insertion/Extraction. Chemistry of Materials, 2011, 23, 4124-4131.	6.7	17
90	How to exploit the full potential of the dip-coating process to better control film formation. Journal of Materials Chemistry, 2011, 21, 17033.	6.7	290

#	Article	IF	Citations
91	Molecular and supramolecular dynamics of hybrid organicâ€“inorganic interfaces for the rational construction of advanced hybrid nanomaterials. Chemical Society Reviews, 2011, 40, 829-848.	38.1	77
92	Mesoporous SiO2thin films containing photoluminescent ZnO nanoparticles and simultaneous SAXS/WAXS/ellipsometry experiments. Journal of Materials Chemistry, 2011, 21, 1139-1146.	6.7	14
93	Aerosol Route to Functional Nanostructured Inorganic and Hybrid Porous Materials. Advanced Materials, 2011, 23, 599-623.	21.0	327
94	An ordered hydrophobic P6mm mesoporous carbon with graphitic pore walls and its application in aqueous catalysis. Carbon, 2011, 49, 1290-1298.	10.3	41
95	Synthesis of poly(phenylene oxide)-based fluoro-tin-oxide/ZrO2 nanoelectrode arrays by hybrid organic/inorganic approach. Electrochimica Acta, 2011, 56, 7155-7162.	5.2	7
96	Recording study of percolated perpendicular media. Applied Physics Letters, 2011, 98, .	3.3	20
97	Photoluminescence Efficiency and Size Distribution of Self Assembled Ge Dots on Porous TiO₂. Journal of Nanoscience and Nanotechnology, 2011, 11, 9190-9195.	0.9	7
98	Direct electrogeneration of FePt nanoparticles into highly ordered Inorganic NanoPattern stabilising membranes. Journal of Sol-Gel Science and Technology, 2010, 53, 551-554.	2.4	14
99	Gold Nanoelectrode Arrays and their Evaluation by Impedance Spectroscopy and Cyclic Voltammetry. ChemPhysChem, 2010, 11, 1971-1977.	2.1	17
100	Tailorâ€made Nanometerâ€scale Patterns of Photoâ€switchable Prussian Blue Analogues. Advanced Materials, 2010, 22, 3992-3996.	21.0	25
101	â€œChimie douceâ€: A land of opportunities for the designed construction of functional inorganic and hybrid organic-inorganic nanomaterials. Comptes Rendus Chimie, 2010, 13, 3-39.	0.5	270
102	Predicting Size Distributions of Ge Nanodots from Their Photoluminescence. Journal of the Electrochemical Society, 2010, 157, H1160.	2.9	8
103	Magnetic films on nanoperforated templates: a route towards percolated perpendicular media. Nanotechnology, 2010, 21, 495701.	2.6	35
104	Hydrophobic, Antireflective, Self-Cleaning, and Antifogging Solâˆ’Gel Coatings: An Example of Multifunctional Nanostructured Materials for Photovoltaic Cells. Chemistry of Materials, 2010, 22, 4406-4413.	6.7	258
105	Thick and Crack-Free Nanocrystalline Mesoporous TiO₂ Films Obtained by Capillary Coating from Aqueous Solutions. Chemistry of Materials, 2010, 22, 6218-6220.	6.7	39
106	Bottom-up Approach toward Titanosilicate Mesoporous Pillared Planar Nanochannels for Nanofluidic Applications. Chemistry of Materials, 2010, 22, 5687-5694.	6.7	42
107	Preparation of Solâˆ’Gel Films by Dip-Coating in Extreme Conditions. Journal of Physical Chemistry C, 2010, 114, 7637-7645.	3.1	242
108	Adsorption properties in high optical quality nanoZIF-8 thin films with tunable thickness. Journal of Materials Chemistry, 2010, 20, 7676.	6.7	151

#	Article	IF	Citations
109	Nanocasted mesoporous nanocrystalline ZnO thin films. Journal of Materials Chemistry, 2010, 20, 537-542.	6.7	40
110	Controlling the Processing of Mesoporous Titania Films by in Situ FTIR Spectroscopy: Getting Crystalline Micelles into the Mesopores. Journal of Physical Chemistry C, 2010, 114, 10806-10811.	3.1	17
111	Magnetization Reversal in Arrays of Magnetic Nanoperforations. IEEE Transactions on Magnetics, 2009, 45, 3515-3518.	2.1	14
112	Colloidal Route for Preparing Optical Thin Films of Nanoporous Metalâ€“Organic Frameworks. Advanced Materials, 2009, 21, 1931-1935.	21.0	257
113	Detailed study of the pore-filling processes during nanocasting of mesoporous films using SnO2/SiO2 as a model system. Microporous and Mesoporous Materials, 2009, 123, 185-192.	4.4	26
114	Solâ€“gel technique for the generation of europium-doped mesoporous and dense thin films: A luminescent study. Journal of Luminescence, 2009, 129, 1641-1645.	3.1	13
115	Water Evaporation Studied by In Situ Time-Resolved Infrared Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 2745-2749.	2.5	18
116	Design, Synthesis, Structural and Textural Characterization, and Electrical Properties of Mesoporous Thin Films Made of Rare Earth Oxide Binaries. Chemistry of Materials, 2009, 21, 2184-2192.	6.7	39
117	Formation of Palladium Nanostructures in a Seed-Mediated Synthesis through an Oriented-Attachment-Directed Aggregation. Chemistry of Materials, 2009, 21, 2668-2678.	6.7	52
118	Hierarchical inorganic nanopatterning (INP) through direct easy block-copolymer templating. Journal of Materials Chemistry, 2009, 19, 3638.	6.7	17
119	Stain Effects Studied by Time-Resolved Infrared Imaging. Analytical Chemistry, 2009, 81, 551-556.	6.5	17
120	Core-shell effects of functionalized oxide nanoparticles inside long-range meso-ordered spray-dried silica spheres. Journal of Sol-Gel Science and Technology, 2008, 47, 119-123.	2.4	11
121	Highly ordered metal oxide nanopatterns prepared by template-assisted chemical solution deposition. Journal of Sol-Gel Science and Technology, 2008, 48, 102-112.	2.4	16
122	Europiumâ€Doped Mesoporous Titania Thin Films: Rareâ€Earth Locations and Emission Fluctuations under Illumination. ChemPhysChem, 2008, 9, 2077-2084.	2.1	26
123	Design, Synthesis, and Properties of Inorganic and Hybrid Thin Films Having Periodically Organized Nanoporosity. Chemistry of Materials, 2008, 20, 682-737.	6.7	735
124	Sorption Properties of Mesoporous Multilayer Thin Films. Journal of Physical Chemistry C, 2008, 112, 3157-3163.	3.1	110
125	Pyrolysis, Crystallization, and Sintering of Mesostructured Titania Thin Films Assessed by in Situ Thermal Ellipsometry. Journal of the American Chemical Society, 2008, 130, 7882-7897.	13.7	96
126	Solâ€“gel route to advanced nanoelectrode arrays (NEA) based on titania gold nanocomposites. Journal of Materials Chemistry, 2008, 18, 1216.	6.7	23

#	Article	IF	Citations
127	Wetting of Heterogeneous Nanopatterned Inorganic Surfaces. Chemistry of Materials, 2008, 20, 1476-1483.	6.7	36
128	Coupling Nanobuilding Block and Breath Figures Approaches for the Designed Construction of Hierarchically Templated Porous Materials and Membranes. Chemistry of Materials, 2008, 20, 1049-1056.	6.7	81
129	Thermally Induced Porosity in CSD MgF‹sub›2‹/sub›-Based Optical Coatings: An Easy Method to Tune the Refractive Index. Chemistry of Materials, 2008, 20, 5550-5556.	6.7	36
130	Stability of Mesoporous Oxide and Mixed Metal Oxide Materials under Biologically Relevant Conditions. Chemistry of Materials, 2007, 19, 4349-4356.	6.7	146
131	A Chemical Solution Deposition Route To Nanopatterned Inorganic Material Surfaces. Chemistry of Materials, 2007, 19, 3717-3725.	6.7	67
132	Molecular Transport into Mesostructured Silica Thin Films:Â Electrochemical Monitoring and Comparison betweenp6m, P63/mmc, andPm3nStructures. Chemistry of Materials, 2007, 19, 844-856.	6.7	177
133	Mesoporous maghemiteâ€“organosilica microspheres: a promising route towards multifunctional platforms for smart diagnosis and therapy. Journal of Materials Chemistry, 2007, 17, 1563-1569.	6.7	133
134	Nanostructured Titanium Oxynitride Porous Thin Films as Efficient Visibleâ€Active Photocatalysts. Advanced Functional Materials, 2007, 17, 3348-3354.	14.9	166
135	Preparation, structural and optical characterization of rare earth doped mesoporous Y2O3 thin films by EISA method. Microporous and Mesoporous Materials, 2007, 103, 273-279.	4.4	24
136	Ultralow-dielectric-constant optical thin films built from magnesium oxyfluoride vesicle-like hollow nanoparticles. Nature Materials, 2007, 6, 572-575.	27.5	85
137	Nanocrystalline Mesoporous Î³-Alumina Powders â€œUPMC1 Materialâ€•Gathers Thermal and Chemical Stability with High Surface Area. Chemistry of Materials, 2006, 18, 5238-5243.	6.7	118
138	Optimised photocatalytic activity of grid-like mesoporous TiO2films: effect of crystallinity, pore size distribution, and pore accessibility. Journal of Materials Chemistry, 2006, 16, 77-82.	6.7	257
139	Electrochemical investigations into ferrocenylphosphonic acid functionalized mesostructured porous nanocrystalline titanium oxide films. Journal of Materials Chemistry, 2006, 16, 3762-3767.	6.7	19
140	Nanostructured Hybrid Solar Cells Based on Self-Assembled Mesoporous Titania Thin Films. Chemistry of Materials, 2006, 18, 6152-6156.	6.7	96
141	Surface Nanopatterning by Organic/Inorganic Self-Assembly and Selective Local Functionalization. Small, 2006, 2, 569-574.	10.0	68
142	Ink Jet Printing of Microdot Arrays of Mesostructured Silica. Journal of the American Ceramic Society, 2006, 89, 1876-1882.	3.8	48
143	Niobia-stabilised anatase TiO2 highly porous mesostructured thin films. Microporous and Mesoporous Materials, 2006, 94, 208-213.	4.4	21
144	Preparation, treatment and characterisation of nanocrystalline mesoporous ordered layers. Journal of Sol-Gel Science and Technology, 2006, 40, 141-154.	2.4	55

#	Article	IF	Citations
145	Atom Transfer Radical Polymerization of Styrene and Methyl Methacrylate from Mesoporous Ordered Silica Particles. Macromolecular Rapid Communications, 2006, 27, 393-398.	3.9	87
146	Generation of Self-Assembled 3D Mesostructured SnO2 Thin Films with Highly Crystalline Frameworks. Advanced Functional Materials, 2006, 16, 1433-1440.	14.9	92
147	Designed Construction of Functional Mesostructured Porous Materials. Advances in Science and Technology, 2006, 45, 803-813.	0.2	0
148	Porosity and Mechanical Properties of Mesoporous Thin Films Assessed by Environmental Ellipsometric Porosimetry. Langmuir, 2005, 21, 12362-12371.	3.5	396
149	New Hybrid Bidentate Ligands as Precursors for Smart Catalysts. Chemistry - A European Journal, 2005, 11, 7416-7426.	3.3	32
150	The generation of mesoporous CeO2 with crystalline pore walls using novel block copolymer templates. Studies in Surface Science and Catalysis, 2005, 156, 243-248.	1.5	16
151	Design of functional nano-structured inorganic and hybrid materials. Studies in Surface Science and Catalysis, 2005, 156, 19-36.	1.5	6
152	Preparation of multi-nanocrystalline transition metal oxide (TiO2â€“NiTiO3) mesoporous thin films. New Journal of Chemistry, 2005, 29, 141-144.	2.8	26
153	Mesostructured hybrid organicâ€“inorganic thin films. Journal of Materials Chemistry, 2005, 15, 3598.	6.7	304
154	Hybrid non-silica mesoporous thin films. New Journal of Chemistry, 2005, 29, 59-63.	2.8	42
155	Exploring the internal structure of mesoporous powders and thin films by continuous flow laser-enhanced 129Xe NMR. Studies in Surface Science and Catalysis, 2004, 154, 1464-1470.	1.5	6
156	Periodically ordered nanoscale islands and mesoporous films composed of nanocrystalline multimetallic oxides. Nature Materials, 2004, 3, 787-792.	27.5	327
157	An optical fibre pH sensor based on dye doped mesostructured silica. Journal of Physics and Chemistry of Solids, 2004, 65, 1751-1755.	4.0	52
158	Fundamentals of Mesostructuring Through Evaporation-Induced Self-Assembly. Advanced Functional Materials, 2004, 14, 309-322.	14.9	732
159	One-pot self-assembly of mesostructured silica films and membranes functionalised with fullerene derivativesElectronic supplementary information (ESI) available: selected analytical data of 2 and 3. See http://www.rsc.org/suppdata/jm/b4/b401916d/. Journal of Materials Chemistry, 2004, 14, 1838.	6.7	24
160	Growth of Gold Nanoparticle Arrays in TiO2Mesoporous Matrixes. Langmuir, 2004, 20, 6879-6886.	3.5	104
161	Highly Crystalline Cubic Mesoporous TiO2with 10-nm Pore Diameter Made with a New Block Copolymer Template. Chemistry of Materials, 2004, 16, 2948-2952.	6.7	309
162	Silica Orthorhombic Mesostructured Films with Low Refractive Index and High Thermal Stability. Journal of Physical Chemistry B, 2004, 108, 10942-10948.	2.6	114

#	Article	IF	Citations
163	Designed synthesis of large-pore mesoporous silicaâ€“zirconia thin films with high mixing degree and tunable cubic or 2D-hexagonal mesostructure. Journal of Materials Chemistry, 2004, 14, 1879-1886.	6.7	50
164	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 561-565.	2.4	61
165	Controlled Formation of Highly Organized Mesoporous Titania Thin Films:â€‰ From Mesostructured Hybrids to Mesoporous Nanoanatase TiO2. Journal of the American Chemical Society, 2003, 125, 9770-9786.	13.7	871
166	Design of functional nano-structured materials through the use of controlled hybrid organicâ€“inorganic interfaces. Comptes Rendus Chimie, 2003, 6, 1131-1151.	0.5	183
167	Nanocrystalline Transition-Metal Oxide Spheres with Controlled Multi-Scale Porosity. Advanced Functional Materials, 2003, 13, 37-42.	14.9	159
168	Block copolymer-templated mesoporous oxides. Current Opinion in Colloid and Interface Science, 2003, 8, 109-126.	7.4	459
169	Humidity-controlled mesostructuration in CTAB-templated silica thin film processing. The existence of a modulable steady state. Journal of Materials Chemistry, 2003, 13, 61-66.	6.7	193
170	Orderâ^'Disorder Transitions and Evolution of Silica Structure in Self-Assembled Mesostructured Silica Films Studied through FTIR Spectroscopy. Journal of Physical Chemistry B, 2003, 107, 4711-4717.	2.6	196
171	Evaporation-Controlled Self-Assembly of Silica Surfactant Mesophases. Journal of Physical Chemistry B, 2003, 107, 6114-6118.	2.6	155
172	Nanocrystallised titania and zirconia mesoporous thin films exhibiting enhanced thermal stability. New Journal of Chemistry, 2003, 27, 9-13.	2.8	168
173	Highly Porous TiO2 Anatase Optical Thin Films with Cubic Mesostructure Stabilized at 700 Â°C. Chemistry of Materials, 2003, 15, 4562-4570.	6.7	312
174	Aerosol generated mesoporous silica particles. Journal of Materials Chemistry, 2003, 13, 3011.	6.7	85
175	Phase transformations involved during silica, modified silica, and non-silica mesoporous-organized thin films deposition. The role of evaporation.. Studies in Surface Science and Catalysis, 2003, 146, 281-284.	1.5	2
176	Design of transition metal oxide mesoporous thin films. Studies in Surface Science and Catalysis, 2002, 141, 235-242.	1.5	22
177	Hexagonally organised mesoporous aluminiumâ€“oxoâ€“hydroxide thin films prepared by the template approach. In situ study of the structural formation. Journal of Materials Chemistry, 2002, 12, 557-564.	6.7	53
178	Formation and Stabilization of Mesostructured Vanadium-Oxo-Based Hybrid Thin Films. Chemistry of Materials, 2002, 14, 3316-3325.	6.7	41
179	An in Situ Study of Mesostructured CTABâ^'Silica Film Formation during Dip Coating Using Time-Resolved SAXS and Interferometry Measurements. Chemistry of Materials, 2002, 14, 931-939.	6.7	198
180	Two-Dimensional Hexagonal Mesoporous Silica Thin Films Prepared from Block Copolymers:Â Detailed Characterization and Formation Mechanism. Chemistry of Materials, 2001, 13, 1848-1856.	6.7	233

#	Article	IF	Citations
181	Highly Organized Mesoporous Titania Thin Films Showing Mono-Oriented 2D Hexagonal Channels. Advanced Materials, 2001, 13, 1085-1090.	21.0	330
182	Scandia optical coatings for application at 351 nm. Thin Solid Films, 2000, 368, 116-124.	1.8	38
183	Scandium oxide nanoparticles produced from solâ€“gel chemistry. Journal of Materials Chemistry, 2000, 10, 359-363.	6.7	29
184	The True Structure of Hexagonal Mesophase-Templated Silica Films As Revealed by X-ray Scattering:Â Effects of Thermal Treatments and of Nanoparticle Seeding. Chemistry of Materials, 2000, 12, 1721-1728.	6.7	187
185	Highly oriented 3D-hexagonal silica thin films produced with cetyltrimethylammonium bromide. Journal of Materials Chemistry, 2000, 10, 2085-2089.	6.7	130