Nicola Huesing

List of Publications by Year
in descending order

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191 papers	7,982 citations	66336 42 h-index	53222 85 g-index
202 all docs	202 docs citations	202 times ranked	8673 citing authors

#	Article	IF	Citations
1	Aerogelsâ€"Airy Materials: Chemistry, Structure, and Properties. Angewandte Chemie - International Edition, 1998, 37, 22-45.	13.8	1,341
2	Hybrid Inorganic-Organic Materials by Sol-Gel Processing of Organofunctional Metal Alkoxides. Chemistry of Materials, 1995, 7, 2010-2027.	6.7	892
3	High surface area crystalline titanium dioxide: potential and limits in electrochemical energy storage and catalysis. Chemical Society Reviews, 2012, 41, 5313.	38.1	395
4	Solâ€"gel synthesis of monolithic materials with hierarchical porosity. Chemical Society Reviews, 2016, 45, 3377-3399.	38.1	272
5	Aerogelsâ€"Airy Materials: Chemistry, Structure, and Properties. Angewandte Chemie - International Edition, 1998, 37, 22-45.	13.8	230
6	Synthesis of Well-Defined Block Copolymers Tethered to Polysilsesquioxane Nanoparticles and Their Nanoscale Morphology on Surfaces. Journal of the American Chemical Society, 2001, 123, 9445-9446.	13.7	171
7	Current status, opportunities and challenges in catalytic and photocatalytic applications of aerogels: Environmental protection aspects. Applied Catalysis B: Environmental, 2018, 221, 530-555.	20.2	169
8	Optically Defined Multifunctional Patterning of Photosensitive Thin-Film Silica Mesophases. Science, 2000, 290, 107-111.	12.6	166
9	Glycol-Modified Silanes in the Synthesis of Mesoscopically Organized Silica Monoliths with Hierarchical Porosity. Chemistry of Materials, 2005, 17, 4262-4271.	6.7	138
10	Formation and Structure of Gel Networks from Si(OEt)4/(MeO)3Si(CH2)3NRâ€˜2Mixtures (NRâ€˜2= NH2or) Tj ETQq0 0 0 rgBT /Overlock	6.7	130
11	Novel multifunctional polymethylsilsesquioxaneâ€"silk fibroin aerogel hybrids for environmental and thermal insulation applications. Journal of Materials Chemistry A, 2018, 6, 12598-12612.	10.3	130
12	Electrochemical evaluation of rutile TiO2 nanoparticles as negative electrode for Li-ion batteries. Journal of Power Sources, 2009, 194, 1099-1104.	7.8	124
13	Mechanically Strong Silica-Silk Fibroin Bioaerogel: A Hybrid Scaffold with Ordered Honeycomb Micromorphology and Multiscale Porosity for Bone Regeneration. ACS Applied Materials & Interfaces, 2019, 11, 17256-17269.	8.0	115
14	Compressible, Thermally Insulating, and Fire Retardant Aerogels through Self-Assembling Silk Fibroin Biopolymers Inside a Silica Structureâ€"An Approach towards 3D Printing of Aerogels. ACS Applied Materials & Interfaces, 2018, 10, 22718-22730.	8.0	114
15	Glycol-Modified Silanes: Novel Possibilities for the Synthesis of Hierarchically Organized (Hybrid) Porous Materials. Accounts of Chemical Research, 2007, 40, 885-894.	15.6	107
16	Formation and Structure of Porous Gel Networks from Si(OMe)4in the Presence of A(CH2)nSi(OR)3(A) Tj ETQq0 0 0 rgBT /Overlock 10 T	6.7	97
17	Inorganicâ"Organic Hybrid Polymers by Polymerization of Methacrylate- or Acrylate-Substituted Oxotitanium Clusters with Methyl Methacrylate or Methacrylic Acid. Chemistry of Materials, 2002, 14, 2732-2740.	6.7	93
18	Porous Anatase Nanoparticles with High Specific Surface Area Prepared by Miniemulsion Technique. Chemistry of Materials, 2008, 20, 5768-5780.	6.7	92

#	Article	IF	Citations
19	TiO₂ Anatase Nanoparticle Networks: Synthesis, Structure, and Electrochemical Performance. Small, 2011, 7, 1690-1696.	10.0	91
20	Chemical phase separation strategies towards silica monoliths with hierarchical porosity. Chemical Society Reviews, 2013, 42, 3833.	38.1	90
21	Periodically Mesostructured Silica Monoliths from Diol-Modified Silanes. Chemistry of Materials, 2003, 15, 2690-2692.	6.7	87
22	Electrochemical performance of mesoporous TiO2 anatase. Journal of Power Sources, 2008, 175, 510-516.	7.8	81
23	Spontaneous Vesicle Formation of Short-Chain Amphiphilic Polysiloxane-b-Poly(ethylene oxide) Block Copolymers. Langmuir, 2003, 19, 3198-3201.	3.5	64
24	Synthesis of Mesoporous Silica Particles and Capsules by Miniemulsion Technique. Chemistry of Materials, 2009, 21, 5088-5098.	6.7	61
25	Influence of supercritical drying fluid on structure and properties of organically modified silica aerogels. Journal of Non-Crystalline Solids, 1995, 186, 37-43.	3.1	60
26	Tannin-Based Hybrid Materials and Their Applications: A Review. Molecules, 2020, 25, 4910.	3.8	59
27	Influence of the nature of organic groups on the properties of organically modified silica aerogels. Journal of Sol-Gel Science and Technology, 1994, 2, 103-108.	2.4	57
28	Mesostructured Silicaâ˜Titania Mixed Oxide Thin Films. Chemistry of Materials, 2002, 14, 2429-2432.	6.7	56
29	Facile Self-Assembly Processes to Phenylene-Bridged Silica Monoliths with Four Levels of Hierarchy. Small, 2006, 2, 503-506.	10.0	56
30	Preparation of silicaâ€“titania xerogels and aerogels by solâ€“gel processing of new single-source precursors. Journal of Materials Chemistry, 2002, 12, 2594-2596.	6.7	55
31	Aggregation Behavior of Short-Chain PDMS-b-PEO Diblock Copolymers in Aqueous Solutions. Langmuir, 2003, 19, 10073-10076.	3.5	52
32	Analysis of the size effect of LiMnPO4 particles on the battery properties by using STEM-EELS. Journal of Power Sources, 2013, 226, 122-126.	7.8	51
33	Magnetic behaviour of a hybrid polymer obtained from ethyl acrylate and the magnetic cluster Mn12O12(acrylate)16. Journal of Materials Chemistry, 2004, 14, 1873-1878.	6.7	50
34	Simultaneous drying and chemical modification of hierarchically organized silica monoliths with organofunctional silanes. Journal of Materials Chemistry, 2005, 15, 3896.	6.7	49
35	Mesoporous anatase TiO2 composite electrodes: Electrochemical characterization and high rate performances. Journal of Power Sources, 2009, 189, 585-589.	7.8	49
36	Solidâ˜Solid Interface Formation in TiO2Nanoparticle Networks. Langmuir, 2011, 27, 1946-1953.	3.5	49

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37	Mixed Silica Titania Materials Prepared from a Single-Source Solâ˜Gel Precursor:Â A Time-Resolved SAXS Study of the Gelation, Aging, Supercritical Drying, and Calcination Processes. Chemistry of Materials, 2005, 17, 3146-3153.	6.7	48
38	Adsorption-Induced Deformation of Hierarchically Structured Mesoporous Silicaâ€"Effect of Pore-Level Anisotropy. Langmuir, 2017, 33, 5592-5602.	3.5	47
39	Influence of the crystalline phase and surface area of the TiO2 support on the CO oxidation activity of mesoporous Au/TiO2 catalysts. Applied Catalysis B: Environmental, 2009, 91, 470-480.	20.2	46
40	Solâ˜Gel Processing of a Glycolated Cyclic Organosilane and Its Pyrolysis to Silicon Oxycarbide Monoliths with Multiscale Porosity and Large Surface Areas. Chemistry of Materials, 2010, 22, 1509-1520.	6.7	46
41	Bovine Serum Albumin Adsorption on TiO₂ Colloids: The Effect of Particle Agglomeration and Surface Composition. Langmuir, 2017, 33, 2551-2558.	3.5	44
42	Cellular mesoscopically organized silica monoliths with tailored surface chemistry by one-step drying/extraction/surface modification processes. Journal of Materials Chemistry, 2005, 15, 1801.	6.7	40
43	A Low Temperature Route toward Hierarchically Structured Titania Films for Thin Hybrid Solar Cells. Advanced Functional Materials, 2016, 26, 7084-7093.	14.9	38
44	Glycol-modified organosilanes in the synthesis of inorganic-organic silsesquioxane and silica monoliths. Journal of Sol-Gel Science and Technology, 2006, 40, 131-139.	2.4	37
45	Spray-deposited zinc titanate films obtained via solâ€"gel synthesis for application in dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 15008-15014.	10.3	36
46	Mixed metal oxide aerogels from tailor-made precursors. Journal of Supercritical Fluids, 2015, 106, 2-8.	3.2	30
47	In Situ Measurement of Electrosorption-Induced Deformation Reveals the Importance of Micropores in Hierarchical Carbons. ACS Applied Materials & Interfaces, 2017, 9, 23319-23324.	8.0	29
48	Oxygen reduction reaction activity and long-term stability of platinum nanoparticles supported on titania and titania-carbon nanotube composites. Journal of Power Sources, 2018, 400, 580-591.	7.8	28
49	3D Printing of Hierarchical Porous Silica and Î±â€Quartz. Advanced Materials Technologies, 2018, 3, 1800060.	5.8	27
50	Molecular approaches towards mixed metal oxides and their behaviour in mixed oxide support Au catalysts for CO oxidation. Dalton Transactions, 2011, 40, 3269.	3.3	26
51	Performance of titanium oxynitrides in the electrocatalytic oxygen evolution reaction. Nano Energy, 2016, 29, 136-148.	16.0	26
52	Conventional and microwave assisted hydrothermal syntheses of 11 Ã... tobermorite. Journal of Materials Chemistry A, 2013, 1, 10318.	10.3	25
53	Novel N, C doped Ti(IV)-oxides as Pt-free catalysts for the O 2 reduction reaction. Electrochimica Acta, 2014, 146, 335-345.	5.2	25
54	Silica-silk fibroin hybrid (bio)aerogels: two-step versus one-step hybridization. Journal of Sol-Gel Science and Technology, 2021, 98, 430-438.	2.4	25

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55	Organofunctional silica aerogels. Journal of Sol-Gel Science and Technology, 1997, 8, 807-812.	2.4	24
56	Space-confined click reactions in hierarchically organized silica monoliths. New Journal of Chemistry, 2011, 35, 681-690.	2.8	24
57	In Situ Modification of the Silica Backbone leading to Highly Porous Monolithic Hybrid Organicâ€“Inorganic Materials via Ambient Pressure Drying. ACS Applied Materials & Interfaces, 2014, 6, 1025-1029.	8.0	24
58	Adsorption/Desorption Characteristics of cis-Platin on Mercapto-Silylated Silica Surfaces. Langmuir, 2001, 17, 5958-5963.	3.5	23
59	Preparation of functionalized block copolymers based on a polysiloxane backbone by anionic ring-opening polymerization. Journal of Polymer Science Part A, 2002, 40, 1539-1551.	2.3	23
60	Mesoporous Au/TiO2 Catalysts for Low Temperature CO Oxidation. Catalysis Letters, 2007, 119, 199-208.	2.6	23
61	Membrane Fuel Cell Cathode Catalysts Based on Titanium Oxide Supported Platinum Nanoparticles. ChemPhysChem, 2014, 15, 2094-2107.	2.1	23
62	Relationship Between Pore Structure and Sorption-Induced Deformation in Hierarchical Silica-Based Monoliths. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1189-1209.	2.8	23
63	Flexible organofunctional aerogels. Dalton Transactions, 2017, 46, 8809-8817.	3.3	23
64	Synthesis of amorphous and graphitized porous nitrogen-doped carbon spheres as oxygen reduction reaction catalysts. Beilstein Journal of Nanotechnology, 2020, 11, 1-15.	2.8	23
65	Synthesis of new types of polysiloxane based surfactants. Chemical Communications, 2001, , 137-138.	4.1	22
66	Carboxylic acid-functionalized porous silica particles by a co-condensation approach. Journal of Sol-Gel Science and Technology, 2017, 81, 138-146.	2.4	22
67	The role of nitrogen-doping and the effect of the pH on the oxygen reduction reaction on highly active nitrided carbon sphere catalysts. Electrochimica Acta, 2019, 299, 736-748.	5.2	22
68	Transition metal oxide-doped mesostructured silica films. Applied Catalysis A: General, 2003, 254, 297-310.	4.3	21
69	Novel Solâ€“Gel Precursors for Thin Mesoporous Eu3+-Doped Silica Coatings as Efficient Luminescent Materials.. Chemistry of Materials, 2012, 24, 3674-3683.	6.7	21
70	Lowâ€Temperature Route to Crystalline Titania Network Structures in Thin Films. ChemPhysChem, 2012, 13, 2412-2417.	2.1	21
71	Stable carboxylic acid derivatized alkoxy silanes. Chemical Communications, 2015, 51, 2339-2341.	4.1	21
72	Multiscale characterization of hierarchically organized porous hybrid materials. Journal of Materials Chemistry, 2012, 22, 2713-2720.	6.7	20

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73	Inorganic-Organic Hybrid Aerogels. Materials Research Society Symposia Proceedings, 1994, 346, 151.	0.1	19
74	Synthesis and electrocatalytic performance of spherical core-shell tantalum (oxy)nitride@nitrided carbon composites in the oxygen reduction reaction. Electrochimica Acta, 2017, 227, 367-381.	5.2	19
75	Hierarchically Organized and Anisotropic Porous Carbon Monoliths. Chemistry of Materials, 2020, 32, 3944-3951.	6.7	19
76	New Strategy Using Glycol-Modified Silane to Synthesize Monodispersed Mesoporous Silica Spheres Applicable to Colloidal Photonic Crystals. Langmuir, 2010, 26, 2002-2007.	3.5	18
77	Monolithic Spiropyran-Based Porous Polysilsesquioxanes with Stimulus-Responsive Properties. ACS Applied Materials & Interfaces, 2020, 12, 47754-47762.	8.0	18
78	Structural investigation of alumina silica mixed oxide gels prepared from organically modified precursors. Journal of Non-Crystalline Solids, 2007, 353, 1635-1644.	3.1	17
79	Clusterâ€Based Holey Semiconductors. Angewandte Chemie - International Edition, 2008, 47, 1992-1994.	13.8	17
80	Setting Directions: Anisotropy in Hierarchically Organized Porous Silica. Chemistry of Materials, 2017, 29, 7969-7975.	6.7	16
81	The influence of drying and calcination on surface chemistry, pore structure and mechanical properties of hierarchically organized porous silica monoliths. Microporous and Mesoporous Materials, 2019, 288, 109578.	4.4	16
82	Incorporation of Chromium Carbenes in a Silica Matrix by Sol-Gel Processing: Application to Aminolysis of Alkoxycarbene Complexes. Chemistry - A European Journal, 2000, 6, 3006-3017.	3.3	15
83	Small-angle X-ray scattering investigation of the cluster distribution in inorganicâ€“organic hybrid polymers prepared from organically substituted metal oxide clusters. Comptes Rendus Chimie, 2004, 7, 495-502.	0.5	15
84	Macromolecule mediated bioinspired silica synthesis using a diol-modified silane precursor. Silicon Chemistry, 2005, 2, 279-285.	0.8	15
85	Synthesis and characterization of orthorhombic, 2d-centered rectangular and lamellar iron oxide doped silica films. Journal of Materials Chemistry, 2006, 16, 4443-4453.	6.7	15
86	Inorganicâ€“organic hybrid materials through post-synthesis modification: Impact of the treatment with azides on the mesopore structure. Beilstein Journal of Nanotechnology, 2011, 2, 486-498.	2.8	15
87	Nanofibers versus Nanopores: A Comparison of the Electrochemical Performance of Hierarchically Ordered Porous Carbons. ACS Applied Energy Materials, 2019, 2, 5279-5291.	5.1	15
88	Silica-Titania Mesostructured Films. Journal of Sol-Gel Science and Technology, 2003, 26, 615-619.	2.4	14
89	Silicone-Containing Surfactants as Templates in the Synthesis of Mesostructured Silicates. Journal of Sol-Gel Science and Technology, 2003, 26, 609-613.	2.4	14
90	Enzyme adsorption-induced activity changes: a quantitative study on TiO2 model agglomerates. Journal of Nanobiotechnology, 2017, 15, 55.	9.1	14

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91	Carboxylic acid-modified polysilsesquioxane aerogels for the selective and reversible complexation of heavy metals and organic molecules. Microporous and Mesoporous Materials, 2021, 312, 110759.	4.4	14
92	Effects of the post-synthesis treatment on the structural properties of alumina-doped zirconia. Journal of Non-Crystalline Solids, 2001, 285, 64-70.	3.1	13
93	The dependence of the elastic moduli of reaction bonded alumina on porosity. Journal of the European Ceramic Society, 2007, 27, 35-39.	5.7	13
94	Spherical Coreâ€“Shell Titanium (Oxy)nitride@Nitrided Carbon Composites as Catalysts for the Oxygen Reduction Reaction: Synthesis and Electrocatalytic Performance. ChemElectroChem, 2016, 3, 1641-1654.	3.4	13
95	Carbon aerogels with improved flexibility by sphere templating. RSC Advances, 2018, 8, 27326-27331.	3.6	13
96	Towards Real-Time Ion-Specific Structural Sensitivity in Nanoporous Carbon Electrodes Using In Situ Anomalous Small-Angle X-ray Scattering. ACS Applied Materials & Interfaces, 2019, 11, 42214-42220.	8.0	13
97	Allosteric Regulation of Enzymatic Reactions in a Transparent Inorganic Sol-Gel Material. Journal of Sol-Gel Science and Technology, 1999, 15, 57-62.	2.4	12
98	Alkyl-glycoside surfactants in the synthesis of mesoporous silica films. Silicon Chemistry, 2003, 2, 157-165.	0.8	12
99	Nanostructure of Gel-Derived Aluminosilicate Materials. Langmuir, 2008, 24, 949-956.	3.5	12
100	Cultivation of human fibroblasts and multipotent mesenchymal stromal cells on mesoporous silica and mixed metal oxide films. Journal of Materials Science, 2009, 44, 6786-6794.	3.7	12
101	Quantifying adsorption-induced deformation of nanoporous materials on different length scales. Journal of Applied Crystallography, 2017, 50, 1404-1410.	4.5	12
102	Mechanical Characterization of Hierarchical Structured Porous Silica by in Situ Dilatometry Measurements during Gas Adsorption. Langmuir, 2019, 35, 2948-2956.	3.5	12
103	Tunable block copolymers based on a polysiloxane backbone by anionic ring-opening polymerization. Journal of Polymer Science Part A, 2004, 42, 3975-3985.	2.3	11
104	Investigations of polymer dynamics in nanoporous media by field cycling NMR relaxometry and the dipolar correlation effect. Magnetic Resonance Imaging, 2007, 25, 489-492.	1.8	11
105	Mesoporous dendrimer silica monoliths studied by small-angle X-ray scattering. Journal of Materials Chemistry, 2008, 18, 4783.	6.7	11
106	Organosilica Monoliths with Multiscale Porosity: Detailed Investigation of the Influence of the Surfactant on Structure Formation. Silicon, 2009, 1, 19-28.	3.3	11
107	Structure and luminescence of sol-gel synthesized anatase nanoparticles. Journal of Physics: Conference Series, 2010, 209, 012039.	0.4	11
108	Lowâ€Temperature Solâ€Gel Synthesis of Nanostructured Polymer/Titania Hybrid Films based on Customâ€Made Poly(3â€Alkoxy Thiophene). ChemPhysChem, 2013, 14, 597-602.	2.1	11

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109	Potential of nanoparticles for allergen-specific immunotherapy â€“ use of silica nanoparticles as vaccination platform. Expert Opinion on Drug Delivery, 2016, 13, 1777-1788.	5.0	11
110	In Situ Small-Angle Neutron Scattering Investigation of Adsorption-Induced Deformation in Silica with Hierarchical Porosity. Langmuir, 2019, 35, 11590-11600.	3.5	11
111	Reversibly compressible and freestanding monolithic carbon spherogels. Carbon, 2019, 153, 189-195.	10.3	11
112	Chemical Functionalization of Silica Aerogels. Materials Research Society Symposia Proceedings, 1996, 435, 339.	0.1	10
113	Investigating morphology and electronic properties of self-assembled hybrid systems for solar cells. Journal of Materials Chemistry, 2011, 21, 7765.	6.7	10
114	Tannin-Furanic Foams Formed by Mechanical Agitation: Influence of Surfactant and Ingredient Ratios. Polymers, 2021, 13, 3058.	4.5	10
115	Structure investigation of intelligent aerogels. Physica B: Condensed Matter, 2000, 276-278, 392-393.	2.7	9
116	The binary phase behavior of short-chain PDMS-b-PEO diblock copolymers in aqueous solutions in dependence of the PDMS chain lengthâ€"a combined polarized optical microscopy, 2H NMR and SAXS study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 254, 37-48.	4.7	9
117	Hierarchically Organized Silicaâ€“Titania Monoliths Prepared under Purely Aqueous Conditions. Chemistry - A European Journal, 2014, 20, 17409-17419.	3.3	9
118	Impact of surfactants and acids on the solâ€“gel synthesis of MgO aerogels. Journal of Supercritical Fluids, 2015, 106, 133-139.	3.2	9
119	Biological effects of allergenâ€“nanoparticle conjugates: uptake and immune effects determined on hAELVi cells under submerged vs. airâ€“liquid interface conditions. Environmental Science: Nano, 2020, 7, 2073-2086.	4.3	9
120	Monolithic Carbon Spherogels as Freestanding Electrodes for Supercapacitors. ACS Applied Energy Materials, 2021, 4, 11183-11193.	5.1	9
121	Raman spectroscopic analysis of the sol-gel processing of mixtures. Journal of Molecular Structure, 1997, 410-411, 157-160.	3.6	8
122	Polysiloxaneâ€Based Block Copolymers as Structureâ€Directing Agents in the Synthesis of Hierarchically Organized Silica Monoliths. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 641-648.	1.2	8
123	A Two-Step Synthesis for Li₂CoPO₄F as High-Voltage Cathode Material. Journal of the Electrochemical Society, 2015, 162, A2679-A2683.	2.9	8
124	Self-supporting hierarchically organized silicon networks via magnesiothermic reduction. Monatshefte FÃ¼r Chemie, 2016, 147, 269-278.	1.8	8
125	Aerogels as promising materials for environmental remediationâ€"A broad insight into the environmental pollutants removal through adsorption and (photo)catalytic processes. , 2018, , 389-436.		8
126	Biologic effects of nanoparticle-allergen conjugates: time-resolved uptake using an in vitro lung epithelial co-culture model of A549 and THP-1 cells. Environmental Science: Nano, 2018, 5, 2184-2197.	4.3	8

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127	Nanoscale Structures of Sol-Gel Materials. Molecular Crystals and Liquid Crystals, 2000, 354, 107-122.	0.3	7
128	Chemical processing of new piezoelectric materials. Smart Materials and Structures, 2001, 10, 1078-1084.	3.5	7
129	Hafnium Oxide Doped Mesostructured Silica Films. European Journal of Inorganic Chemistry, 2007, 2007, 2797-2802.	2.0	7
130	Nanostructured, mesoporous Au/TiO₂ model catalysts â€“ structure, stability and catalytic properties. Beilstein Journal of Nanotechnology, 2011, 2, 593-606.	2.8	7
131	Hierarchically organized silica monoliths: influence of different acids on macro- and mesoporous formation. Journal of Sol-Gel Science and Technology, 2015, 73, 103-111.	2.4	7
132	Defect and Surface Area Control in Hydrothermally Synthesized LiMn_{0.8}Fe_{0.2}PO₄ Using a Phosphate Based Structure Directing Agent. Crystal Growth and Design, 2015, 15, 4213-4218.	3.0	7
133	Furfuryl Alcohol and Lactic Acid Blends: Homo- or Co-Polymerization?. Polymers, 2019, 11, 1533.	4.5	7
134	Aging of low-temperature derived highly flexible nanostructured TiO₂/P3HT hybrid films during bending. Journal of Materials Chemistry A, 2019, 7, 10805-10814.	10.3	7
135	Hybrid carbon spherogels: carbon encapsulation of nano-titania. Chemical Communications, 2021, 57, 3905-3908.	4.1	7
136	Novel Siloxane-Silica Nanocomposite Aerogels and Xerogels. Journal of Sol-Gel Science and Technology, 2003, 26, 73-76.	2.4	6
137	Hierarchically Structured Silica Monoliths. Materials Research Society Symposia Proceedings, 2003, 775, 171.	0.1	6
138	Changing poissonâ€™s ratio of mesoporous silica monoliths with high temperature treatment. Journal of Non-Crystalline Solids, 2006, 352, 5251-5256.	3.1	6
139	Mesoporous silica layers with controllable porosity and pore size. Applied Surface Science, 2009, 256, S18-S21.	6.1	6
140	Wet Imprinting of Channelâ€Type Superstructures in Nanostructured Titania Thin Films at Low Temperatures for Hybrid Solar Cells. ChemSusChem, 2018, 11, 1179-1186.	6.8	6
141	Fe-Substituted Sodium Î²â€³-Al₂O₃ as a High-Rate Na-Ion Electrode. Chemistry of Materials, 2021, 33, 6136-6145.	6.7	6
142	The nanotopography of SiO₂particles impacts the selectivity and 3D fold of bound allergens. Nanoscale, 2021, 13, 20508-20520.	5.6	6
143	In situSAXS study on cationic and non-ionic surfactant liquid crystals using synchrotron radiation. Journal of Synchrotron Radiation, 2005, 12, 717-720.	2.4	5
144	Porous Inorganic-Organic Hybrid Materials. , 2005, , 86-121.		5

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145	Inorganicâ€“Organic Hybrid Porous Materials. , 2009, , 131-171.		5
146	TEMPO Containing Polynorbornene Block Copolymers Prepared via ROMP and Their use as Scaffolds in Sol/Gel-Process. Macromolecular Symposia, 2010, 293, 67-70.	0.7	5
147	Nucleophilic substitution on silica surfaces: Comparison of the reactivity of α- versus γ-chlorosubstituted silanes in the reaction with sodium azide. Journal of the Ceramic Society of Japan, 2015, 123, 764-769.	1.1	5
148	Ordered meso-/macroporous silica and titania films by breath figure templating in combination with non-hydrolytic solâ€“gel processing. Microporous and Mesoporous Materials, 2015, 217, 233-243.	4.4	5
149	Straightforward Solvothermal Synthesis toward Phase Pure Li₂CoPO₄F. Crystal Growth and Design, 2016, 16, 4999-5005.	3.0	5
150	Monolithic porous magnesium silicide. Dalton Transactions, 2017, 46, 8855-8860.	3.3	5
151	Low-Temperature Fabrication of Mesoporous Titania Thin Films. MRS Advances, 2017, 2, 2315-2325.	0.9	5
152	Adsorption-induced deformation of hierarchical organised carbon materials with ordered, non-convex mesoporosity. Molecular Physics, 2021, 119, .	1.7	5
153	Tannin-Based Nanoscale Carbon Spherogels as Electrodes for Electrochemical Applications. ACS Applied Nano Materials, 2021, 4, 14115-14125.	5.0	5
154	Composition-Structure Relations in Organically Modified Silica Gels. Materials Research Society Symposia Proceedings, 1999, 576, 117.	0.1	4
155	Protein-Mediated Bioinspired Mineralization. ACS Symposium Series, 2005, , 150-163.	0.5	4
156	Glycol-modified silanes as versatile precursors in the synthesis of thin periodically organized silica films. Journal of Sol-Gel Science and Technology, 2009, 51, 256-263.	2.4	4
157	Hierarchically organized materials with ordered mesopores: adsorption isotherm and adsorption-induced deformation from small-angle scattering. Physical Chemistry Chemical Physics, 2020, 22, 12713-12723.	2.8	4
158	Capillary bridge formation between hexagonally ordered carbon nanorods. Adsorption, 2020, 26, 563-578.	3.0	4
159	Notiz zur Synthese des 3,7â€Dicyanâ€1,5â€dimethylsemibullvalens. Liebigs Annalen Der Chemie, 1992, 1992, 297-298.	0.8	3
160	Ordered Porous Nanoarchitectures with Specific Functions. Angewandte Chemie - International Edition, 2004, 43, 3216-3217.	13.8	3
161	Mesoporous Silica and Titania by Glycol-Modified Precursors. Materials Research Society Symposia Proceedings, 2007, 1007, 1.	0.1	3
162	Design of Inorganic and Inorganic-Organic Hybrid Materials by Sol-Gel Processing â€“ From Nanostructures to Hierarchical Networks. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 91-104.	0.2	3

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163	Crystalline meso-/macroporous magnesium oxide prepared by a nanocasting route. Journal of Supercritical Fluids, 2019, 152, 104549.	3.2	3
164	Microstructural investigation of twin-roll cast magnesium AZ31B subjected to a single monotonic compressive stress. Journal of Alloys and Compounds, 2019, 789, 1022-1034.	5.5	3
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