X S. Zhao

List of Publications by Year
in descending order

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		3149	2675
424	42,816	92	193
papers	citations	h-index	g-index

435	435	435	39391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbon-based materials as supercapacitor electrodes. Chemical Society Reviews, 2009, 38, 2520.	18.7	6,276
2	Graphene/Polyaniline Nanofiber Composites as Supercapacitor Electrodes. Chemistry of Materials, 2010, 22, 1392-1401.	3.2	2,060
3	Graphene-based materials as supercapacitor electrodes. Journal of Materials Chemistry, 2010, 20, 5983.	6.7	1,338
4	A high-performance asymmetric supercapacitor fabricated with graphene-based electrodes. Energy and Environmental Science, 2011, 4, 4009.	15.6	741
5	Graphene-based electrodes for electrochemical energy storage. Energy and Environmental Science, 2013, 6, 1388.	15.6	696
6	Comprehensive Study of Surface Chemistry of MCM-41 Using29Si CP/MAS NMR, FTIR, Pyridine-TPD, and TGA. Journal of Physical Chemistry B, 1997, 101, 6525-6531.	1.2	679
7	Functionalization of SBA-15 with APTES and Characterization of Functionalized Materials. Journal of Physical Chemistry B, 2003, 107, 12650-12657.	1.2	674
8	Conducting Polymers Directly Coated on Reduced Graphene Oxide Sheets as High-Performance Supercapacitor Electrodes. Journal of Physical Chemistry C, 2012, 116, 5420-5426.	1.5	650
9	Grapheneâ€“metalâ€“oxide composites for the degradation of dyes under visible light irradiation. Journal of Materials Chemistry, 2011, 21, 3634.	6.7	617
10	Ultrathin MnO2 nanofibers grown on graphitic carbon spheres as high-performance asymmetric supercapacitor electrodes. Journal of Materials Chemistry, 2012, 22, 153-160.	6.7	555
11	Advances in Mesoporous Molecular Sieve MCM-41. Industrial & Engineering Chemistry Research, 1996, 35, 2075-2090.	1.8	538
12	Photocatalytic degradation of dyes over grapheneâ€“gold nanocomposites under visible light irradiation. Chemical Communications, 2010, 46, 6099.	2.2	518
13	Boosting the cycling stability of transition metal compounds-based supercapacitors. Energy Storage Materials, 2019, 16, 545-573.	9.5	489
14	The role of oxygen vacancies of ABO₃ perovskite oxides in the oxygen reduction reaction. Energy and Environmental Science, 2020, 13, 1408-1428.	15.6	477
15	Modification of MCM-41 by Surface Silylation with Trimethylchlorosilane and Adsorption Study. Journal of Physical Chemistry B, 1998, 102, 1556-1561.	1.2	472
16	The electrocapacitive properties of graphene oxide reduced by urea. Energy and Environmental Science, 2012, 5, 6391-6399.	15.6	460
17	On the Configuration of Supercapacitors for Maximizing Electrochemical Performance. ChemSusChem, 2012, 5, 818-841.	3.6	429
18	Preparation, characterization and antibacterial properties of silver-modified graphene oxide. Journal of Materials Chemistry, 2011, 21, 3350-3352.	6.7	420

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19	Intercalation of mesoporous carbon spheres between reduced graphene oxide sheets for preparing high-rate supercapacitor electrodes. Energy and Environmental Science, 2011, 4, 1866.	15.6	420
20	A three-dimensional porous LiFePO₄ cathode material modified with a nitrogen-doped graphene aerogel for high-power lithium ion batteries. Energy and Environmental Science, 2015, 8, 869-875.	15.6	412
21	Layered Graphene Oxide Nanostructures with Sandwiched Conducting Polymers as Supercapacitor Electrodes. Langmuir, 2010, 26, 17624-17628.	1.6	386
22	Crystalline Carbon Hollow Spheres, Crystalline Carbonâ’SnO2Hollow Spheres, and Crystalline SnO2Hollow Spheres:Â Synthesis and Performance in Reversible Li-Ion Storage. Chemistry of Materials, 2006, 18, 1347-1353.	3.2	381
23	Synthesis and Capacitive Properties of Manganese Oxide Nanosheets Dispersed on Functionalized Graphene Sheets. Journal of Physical Chemistry C, 2011, 115, 6448-6454.	1.5	365
24	Preparation and Characterization of Highly Ordered Graphitic Mesoporous Carbon as a Pt Catalyst Support for Direct Methanol Fuel Cells. Chemistry of Materials, 2005, 17, 3960-3967.	3.2	356
25	Porous photocatalysts for advanced water purifications. Journal of Materials Chemistry, 2010, 20, 4512.	6.7	311
26	Nitrogen-Doped Titanate-Anatase Coreâ€“Shell Nanobelts with Exposed {101} Anatase Facets and Enhanced Visible Light Photocatalytic Activity. Journal of the American Chemical Society, 2012, 134, 5754-5757.	6.6	294
27	Biomass-derived carbon electrode materials for supercapacitors. Sustainable Energy and Fuels, 2017, 1, 1265-1281.	2.5	287
28	Biomass derived carbon nanoparticle as anodes for high performance sodium and lithium ion batteries. Nano Energy, 2016, 26, 346-352.	8.2	283
29	Immobilizing catalysts on porous materials. Materials Today, 2006, 9, 32-39.	8.3	269
30	Modification of membrane surface for anti-biofouling performance: Effect of anti-adhesion and anti-bacteria approaches. Journal of Membrane Science, 2010, 346, 121-130.	4.1	265
31	Surfactant-intercalated, chemically reduced graphene oxide for high performance supercapacitor electrodes. Journal of Materials Chemistry, 2011, 21, 7302.	6.7	262
32	Synthesis, characterization and catalytic performances of Ce-SBA-15 supported nickel catalysts for methane dry reforming to hydrogen and syngas. International Journal of Hydrogen Energy, 2012, 37, 19-30.	3.8	245
33	Pillaring Chemically Exfoliated Graphene Oxide with Carbon Nanotubes for Photocatalytic Degradation of Dyes under Visible Light Irradiation. ACS Nano, 2010, 4, 7030-7036.	7.3	243
34	Synthesis of amorphous nickelâ€“cobaltâ€“manganese hydroxides for supercapacitor-battery hybrid energy storage system. Energy Storage Materials, 2019, 17, 194-203.	9.5	236
35	Synthesis of Self-Organized Polycrystalline F-doped TiO₂ Hollow Microspheres and Their Photocatalytic Activity under Visible Light. Journal of Physical Chemistry C, 2008, 112, 5316-5321.	1.5	235
36	VOC Removal:â€‰ Comparison of MCM-41 with Hydrophobic Zeolites and Activated Carbon. Energy & Fuels, 1998, 12, 1051-1054.	2.5	230

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37	A review of molecular modelling of electric double layer capacitors. Physical Chemistry Chemical Physics, 2014, 16, 6519.	1.3	216
38	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. Energy and Environmental Science, 2016, 9, 1891-1930.	15.6	205
39	Growth of Polyaniline on Hollow Carbon Spheres for Enhancing Electrocapacitance. Journal of Physical Chemistry C, 2010, 114, 19867-19874.	1.5	197
40	Silver-modified mesoporous TiO2 photocatalyst for water purification. Water Research, 2011, 45, 2095-2103.	5.3	196
41	Synthesis of Graphitic Ordered Macroporous Carbon with a Three-Dimensional Interconnected Pore Structure for Electrochemical Applications. Journal of Physical Chemistry B, 2005, 109, 20200-20206.	1.2	195
42	A Hierarchical Porous C@LiFePO₄/Carbon Nanotubes Microsphere Composite for Highâ€Rate Lithiumâ€Ion Batteries: Combined Experimental and Theoretical Study. Advanced Energy Materials, 2016, 6, 1600426.	10.2	194
43	Functionalization of large-pore mesoporous silicas with organosilanes by direct synthesis. Microporous and Mesoporous Materials, 2004, 72, 33-42.	2.2	187
44	A high-energy-density supercapacitor with grapheneâ€“CMK-5 as the electrode and ionic liquid as the electrolyte. Journal of Materials Chemistry A, 2013, 1, 2313.	5.2	186
45	Templating methods for preparation of porous structures. Journal of Materials Chemistry, 2006, 16, 637-648.	6.7	182
46	The sacrificial role of graphene oxide in stabilising a Fenton-like catalyst GOâ€“Fe₃O₄. Chemical Communications, 2015, 51, 9291-9293.	2.2	179
47	Fabrication of Largeâ€Area, Transferable Colloidal Monolayers Utilizing Selfâ€Assembly at the Air/Water Interface. Macromolecular Chemistry and Physics, 2009, 210, 230-241.	1.1	175
48	Photodegradation of Benzoic Acid over Metal-Doped TiO2. Industrial & Engineering Chemistry Research, 2006, 45, 3503-3511.	1.8	173
49	Photocatalytic Degradation of Methylene Blue by Titanium Dioxide: Experimental and Modeling Study. Industrial & Engineering Chemistry Research, 2014, 53, 14641-14649.	1.8	171
50	Mesoporous carbon nanospheres with an excellent electrocapacitive performance. Journal of Materials Chemistry, 2011, 21, 2274-2281.	6.7	169
51	Thermally Reduced Ruthenium Nanoparticles as a Highly Active Heterogeneous Catalyst for Hydrogenation of Monoaromatics. Journal of the American Chemical Society, 2007, 129, 14213-14223.	6.6	168
52	Facile Synthesis of ZnFe₂O₄ Nanoparticles with Tunable Magnetic and Sensing Properties. Langmuir, 2013, 29, 8997-9003.	1.6	166
53	Preparation and Characterization of Carbon Nanospheres as Anode Materials in Lithium-Ion Secondary Batteries. Industrial & Engineering Chemistry Research, 2008, 47, 2294-2300.	1.8	162
54	Design of large-pore mesoporous materials for immobilization of penicillin G acylase biocatalyst. Catalysis Today, 2004, 93-95, 293-299.	2.2	158

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55	MoNb₁₂O₃₃ as a new anode material for high-capacity, safe, rapid and durable Li⁺ storage: structural characteristics, electrochemical properties and working mechanisms. Journal of Materials Chemistry A, 2019, 7, 6522-6532.	5.2	157
56	Advanced porous carbon electrodes for electrochemical capacitors. Journal of Materials Chemistry A, 2013, 1, 9395.	5.2	156
57	Enhancement of Electrochemical Performance of Macroporous Carbon by Surface Coating of Polyaniline. Chemistry of Materials, 2010, 22, 1195-1202.	3.2	154
58	A Hybrid Mg²⁺/Li⁺ Battery Based on Interlayerâ€Expanded MoS₂/Graphene Cathode. Advanced Energy Materials, 2017, 7, 1700317.	10.2	151
59	Manganese oxideâ€“carbon composite as supercapacitor electrode materials. Microporous and Mesoporous Materials, 2009, 123, 260-267.	2.2	150
60	Assembly of Ni-Al layered double hydroxide and graphene electrodes for supercapacitors. Electrochimica Acta, 2014, 134, 127-135.	2.6	146
61	Template Synthesis of Tubular Ruthenium Oxides for Supercapacitor Applications. Journal of Physical Chemistry C, 2010, 114, 13608-13613.	1.5	144
62	Flow-Controlled Vertical Deposition Method for the Fabrication of Photonic Crystals. Langmuir, 2004, 20, 1524-1526.	1.6	141
63	Mesoporous carbon-coated LiFePO₄nanocrystals co-modified with graphene and Mg²⁺doping as superior cathode materials for lithium ion batteries. Nanoscale, 2014, 6, 986-995.	2.8	139
64	Inward-Growing Self-Assembly of Colloidal Crystal Films on Horizontal Substrates. Langmuir, 2005, 21, 3158-3164.	1.6	136
65	Hollow carbon spheres with a controllable shell structure. Journal of Materials Chemistry, 2006, 16, 4413.	6.7	135
66	Characterization of the structural and surface properties of chemically modified MCM-41 material. Microporous and Mesoporous Materials, 2000, 41, 37-47.	2.2	131
67	Highly-conductive proton-conducting electrolyte membranes with a low sintering temperature for solid oxide fuel cells. Journal of Membrane Science, 2018, 558, 17-25.	4.1	131
68	Block copolymer-templated synthesis of highly organized mesoporous TiO2-based films and their photoelectrochemical applications. Chemical Engineering Journal, 2011, 170, 363-380.	6.6	130
69	Controlled synthesis, magnetic and photocatalytic properties of hollow spheres and colloidal nanocrystal clusters of manganese ferrite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 395, 168-174.	2.3	128
70	Synthesis and characterization of microporous carbons templated by ammonium-form zeolite Y. Carbon, 2004, 42, 2821-2831.	5.4	126
71	Effect of the agglomeration of TiO2 nanoparticles on their photocatalytic performance in the aqueous phase. Journal of Colloid and Interface Science, 2010, 348, 342-347.	5.0	124
72	Pebaxâ€1657 nanocomposite membranes incorporated with nanoparticles/colloids/carbon nanotubes for CO₂/N₂ and CO₂/H₂ separation. Journal of Applied Polymer Science, 2013, 130, 2867-2876.	1.3	116

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73	Degradation of Organic Dyes over Fenton-Like Cu₂Oâ€“Cu/C Catalysts. Industrial & Engineering Chemistry Research, 2018, 57, 14011-14021.	1.8	116
74	Controllable synthesis of mesoporous Fâ€“TiO2 spheres for effective photocatalysis. Journal of Materials Chemistry, 2011, 21, 11430.	6.7	115
75	One-step solvothermal synthesis of Fe₃O₄@C coreâ€“shell nanoparticles with tunable sizes. Nanotechnology, 2012, 23, 165601.	1.3	112
76	Molecular Understanding for the Adsorption of Water and Alcohols in Hydrophilic and Hydrophobic Zeolitic Metalâ˜Organic Frameworks. Journal of Physical Chemistry C, 2010, 114, 11542-11550.	1.5	111
77	Enhancement of photocatalytic activity of P25 TiO2 by vanadium-ion implantation under visible light irradiation. Journal of Colloid and Interface Science, 2007, 311, 497-501.	5.0	110
78	A composite electrode consisting of nickel hydroxide, carbon nanotubes, andÂreduced graphene oxide with an ultrahigh electrocapacitance. Journal of Power Sources, 2013, 222, 326-332.	4.0	109
79	Functionalized nanoporous silicas for the immobilization of penicillin acylase. Applied Surface Science, 2004, 237, 398-404.	3.1	108
80	Preparation and Characterization of Polycrystalline Bismuth Titanate Bi12TiO20and Its Photocatalytic Properties under Visible Light Irradiation. Industrial & Engineering Chemistry Research, 2007, 46, 745-749.	1.8	108
81	Hierarchical N-doped TiO2 hollow microspheres consisting of nanothorns with exposed anatase {101} facets. Chemical Communications, 2011, 47, 6942.	2.2	108
82	Manganese promoting effects on the Coâ€“Ceâ€“Zrâ€“Ox nano catalysts for methane dry reforming with carbon dioxide to hydrogen and carbon monoxide. Chemical Engineering Journal, 2011, 170, 457-463.	6.6	108
83	Transesterification of leather tanning waste to biodiesel at supercritical condition: Kinetics and thermodynamics studies. Journal of Supercritical Fluids, 2013, 75, 11-20.	1.6	107
84	Desired crystal oriented LiFePO₄nanoplatelets in situ anchored on a graphene cross-linked conductive network for fast lithium storage. Nanoscale, 2015, 7, 8819-8828.	2.8	107
85	A simple route to preparing Î³-Fe2O3/RGO composite electrode materials for lithium ion batteries. Journal of Materials Chemistry A, 2018, 6, 4048-4054.	5.2	106
86	A Novel Route toward the Synthesis of High-Quality Large-Pore Periodic Mesoporous Organosilicas. Journal of Physical Chemistry B, 2004, 108, 4684-4689.	1.2	104
87	Improvement of the electrochemical performance of carbon-coated LiFePO₄modified with reduced graphene oxide. Journal of Materials Chemistry A, 2013, 1, 135-144.	5.2	104
88	MoOx nanoparticles anchored on N-doped porous carbon as Li-ion battery electrode. Chemical Engineering Journal, 2020, 381, 122588.	6.6	104
89	Electrochemical properties of manganese ferrite-based supercapacitors in aqueous electrolyte: The effect of ionic radius. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 457, 94-99.	2.3	103
90	Sandwiched Ruthenium/Carbon Nanostructures for Highly Active Heterogeneous Hydrogenation. Advanced Functional Materials, 2007, 17, 1926-1931.	7.8	101

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91	Uptake Equilibria and Mechanisms of Heavy Metal Ions on Microporous Titanosilicate ETS-10. Industrial & Engineering Chemistry Research, 2004, 43, 7900-7906.	1.8	99
92	Design, synthesis and lithium-ion storage capability of Al_{0.5}Nb_{24.5}O₆₂. Journal of Materials Chemistry A, 2019, 7, 19862-19871.	5.2	96
93	The role of electrode wettability in electrochemical reduction of carbon dioxide. Journal of Materials Chemistry A, 2021, 9, 19369-19409.	5.2	95
94	Fabrication of Crack-Free Colloidal Crystals Using a Modified Vertical Deposition Method. Journal of Physical Chemistry C, 2007, 111, 8538-8542.	1.5	93
95	New Anode Material for Lithium-Ion Batteries: Aluminum Niobate (AlNb₁₁O₂₉). ACS Applied Materials & Interfaces, 2019, 11, 6089-6096.	4.0	93
96	Opal and Inverse Opal Fabricated with a Flow-Controlled Vertical Deposition Method. Langmuir, 2005, 21, 4717-4723.	1.6	92
97	Synthesis of defect-rich palladium-tin alloy nanochain networks for formic acid oxidation. Journal of Colloid and Interface Science, 2018, 530, 189-195.	5.0	92
98	Advanced oxidation of orange II using TiO2 supported on porous adsorbents: The role of pH, H2O2 and O3. Separation and Purification Technology, 2007, 55, 91-97.	3.9	88
99	Structural Regulation of PdCu₂ Nanoparticles and Their Electrocatalytic Performance for Ethanol Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 34497-34505.	4.0	88
100	Template synthesis of microporous carbon for direct methanol fuel cell application. Carbon, 2005, 43, 2366-2373.	5.4	87
101	Pyrolyzed graphene oxide/resorcinol-formaldehyde resin composites as high-performance supercapacitor electrodes. Journal of Materials Chemistry, 2011, 21, 2663.	6.7	87
102	Irreversible Change of Pore Structure of MCM-41 upon Hydration at Room Temperature. Journal of Physical Chemistry B, 1998, 102, 4143-4146.	1.2	85
103	Carbon-nanotube-modified glassy carbon electrode for simultaneous determination of dopamine, ascorbic acid and uric acid: The effect of functional groups. Sensors and Actuators B: Chemical, 2012, 171-172, 1132-1140.	4.0	85
104	Capacitance-enhanced sodium-ion storage in nitrogen-rich hard carbon. Journal of Materials Chemistry A, 2017, 5, 22186-22192.	5.2	85
105	Spray-Drying-Induced Assembly of Skeleton-Structured SnO₂/Graphene Composite Spheres as Superior Anode Materials for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 2515-2525.	4.0	85
106	N-doping activated defective Co3O4 as an efficient catalyst for low-temperature methane oxidation. Applied Catalysis B: Environmental, 2020, 269, 118757.	10.8	85
107	Visibleâ€Lightâ€Induced Dye Degradation over Copperâ€Modified Reduced Graphene Oxide. Chemistry - A European Journal, 2011, 17, 2428-2434.	1.7	84
108	Copper/MCM-41 as catalyst for the wet oxidation of phenol. Applied Catalysis B: Environmental, 2001, 32, 151-156.	10.8	82

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109	Competitive adsorption of Pb2+, Cu2+, and Cd2+ ions on microporous titanosilicate ETS-10. Journal of Colloid and Interface Science, 2005, 287, 178-184.	5.0	82
110	Porous carbons derived from microalgae with enhanced electrochemical performance for lithium-ion batteries. Electrochimica Acta, 2016, 194, 10-16.	2.6	82
111	Unusual Adsorption Properties of Microporous Titanosilicate ETS-10 toward Heavy Metal Lead. Langmuir, 2003, 19, 1977-1979.	1.6	81
112	Three-dimensionally macroporous MnZrO catalysts for propane combustion: Synergistic structure and doping effects on physicochemical and catalytic properties. Journal of Colloid and Interface Science, 2020, 572, 281-296.	5.0	79
113	The forces at work in colloidal selfâ€assembly: a review on fundamental interactions between colloidal particles. Asia-Pacific Journal of Chemical Engineering, 2008, 3, 255-268.	0.8	77
114	Facile synthesis of N-doped carbon layer encapsulated Fe2N as an efficient catalyst for oxygen reduction reaction. Carbon, 2018, 127, 636-642.	5.4	77
115	Fabrication of high-performance proton-conducting electrolytes from microwave prepared ultrafine powders for solid oxide fuel cells. Journal of Power Sources, 2019, 412, 664-669.	4.0	77
116	Cellulose-derived hierarchical porous carbon for high-performance flexible supercapacitors. Carbon, 2018, 140, 139-147.	5.4	74
117	Rational design of graphitic carbon based nanostructures for advanced electrocatalysis. Journal of Materials Chemistry A, 2016, 4, 8497-8511.	5.2	73
118	Phenol adsorption on zeolite-templated carbons with different structural and surface properties. Carbon, 2005, 43, 1156-1164.	5.4	72
119	Fabrication of TiO₂ Binary Inverse Opals without Overlayers via the Sandwich-Vacuum Infiltration of Precursor. Langmuir, 2011, 27, 5157-5164.	1.6	72
120	Growth of silicon/carbon microrods on graphite microspheres as improved anodes for lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 4483.	5.2	72
121	Capacitance of Nanoporous Carbon-Based Supercapacitors Is a Trade-Off between the Concentration and the Separability of the Ions. Journal of Physical Chemistry Letters, 2016, 7, 4015-4021.	2.1	72
122	Artificial Defect Engineering in Threeâ€Dimensional Colloidal Photonic Crystals. Advanced Functional Materials, 2007, 17, 3695-3706.	7.8	71
123	Exploring the role of NiO as a sintering aid in BaZr0.1Ce0.7Y0.2O3-Î´ electrolyte for proton-conducting solid oxide fuel cells. Journal of Power Sources, 2018, 399, 207-214.	4.0	71
124	Improved Comparison Plot Method for Pore Structure Characterization of MCM-41. Langmuir, 1996, 12, 6513-6517.	1.6	70
125	Rigid three-dimensional Ni₃S₄nanosheet frames: controlled synthesis and their enhanced electrochemical performance. RSC Advances, 2015, 5, 8422-8426.	1.7	70
126	Honeycomb-Ordered Na₃Ni_{1.5}M_{0.5}BiO₆ (M = Ni, Cu,) Tj ETQq0 0 0 rgBT /Overlock 2715-2722.	8.8	70

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127	Prediction of multilayer adsorption and capillary condensation phenomena in cylindrical mesopores. Microporous and Mesoporous Materials, 2003, 65, 287-298.	2.2	69
128	Mesoporous carbon spheres with controlled porosity for high-performance lithiumâ€“sulfur batteries. Journal of Power Sources, 2015, 285, 469-477.	4.0	69
129	Pore size control of mesoporous silicas from mixtures of sodium silicate and TEOS. Microporous and Mesoporous Materials, 2007, 106, 62-67.	2.2	68
130	Characterization of a zeolite-templated carbon for H2 storage application. Microporous and Mesoporous Materials, 2009, 118, 503-507.	2.2	68
131	Bean-dreg-derived carbon materials used as superior anode material for lithium-ion batteries. Electrochimica Acta, 2016, 222, 551-560.	2.6	68
132	Characterization and Photocatalytic Properties of Titanium-Containing Mesoporous SBA-15. Industrial & Engineering Chemistry Research, 2006, 45, 3569-3573.	1.8	67
133	Gold nanoparticles supported on functionalized mesoporous silica for selective oxidation of cyclohexane. Microporous and Mesoporous Materials, 2011, 141, 222-230.	2.2	67
134	Self-assembled Ni/NiO/RGO heterostructures for high-performance supercapacitors. RSC Advances, 2015, 5, 77958-77964.	1.7	67
135	Synthesis and characterization of highly ordered MCM-41 in an alkali-free system and its catalytic activity. Catalysis Letters, 1996, 38, 33-37.	1.4	66
136	Copolymer-Controlled Homogeneous Precipitation for the Synthesis of Porous Microfibers of Alumina. Langmuir, 2007, 23, 4599-4605.	1.6	66
137	Zeolite-templated nanoporous carbon for high-performance supercapacitors. Journal of Materials Chemistry A, 2018, 6, 10388-10394.	5.2	66
138	Effects of Ageing and Seeding on the Formation of Zeolite Y from Coal Fly Ash. Journal of Porous Materials, 1997, 4, 245-251.	1.3	64
139	A comparative study of electrocapacitive properties of manganese dioxide clusters dispersed on different carbons. Carbon, 2013, 52, 1-9.	5.4	64
140	Binary Colloidal Crystals Fabricated with a Horizontal Deposition Method. Langmuir, 2009, 25, 6753-6759.	1.6	63
141	Zinc niobate materials: crystal structures, energy-storage capabilities and working mechanisms. Journal of Materials Chemistry A, 2019, 7, 25537-25547.	5.2	63
142	Line Defects Embedded in Three-Dimensional Photonic Crystals. Advanced Materials, 2005, 17, 1917-1920.	11.1	62
143	Oxidative Methane Reforming with an Intelligent Catalyst: Sinteringâ€Tolerant Supported Nickel Nanoparticles. ChemSusChem, 2013, 6, 2061-2065.	3.6	62
144	Preparation of polymer-supported hydrated ferric oxide based on Donnan membrane effect and its application for arsenic removal. Science in China Series B: Chemistry, 2008, 51, 379-385.	0.8	61

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145	Gold nanoparticles supported on mesoporous silica: origin of high activity and role of Au NPs in selective oxidation of cyclohexane. Scientific Reports, 2016, 6, 18817.	1.6	61
146	Hollow Rutile Cuboid Arrays Grown on Carbon Fiber Cloth as a Flexible Electrode for Sodiumâ€ion Batteries. Advanced Functional Materials, 2020, 30, 2002629.	7.8	60
147	Morphologies of Large-Pore Periodic Mesoporous Organosilicas. Journal of Physical Chemistry B, 2005, 109, 10727-10736.	1.2	59
148	Synthesis of TiO2 with controllable ratio of anatase to rutile. Journal of Materials Chemistry A, 2014, 2, 9291.	5.2	59
149	A low-strain V3Nb17O50 anode compound for superior Li+ storage. Energy Storage Materials, 2020, 30, 401-411.	9.5	59
150	Novel porous materials for emerging applications. Journal of Materials Chemistry, 2006, 16, 623.	6.7	58
151	One-pot synthesis of carbon nanotubeâ€“graphene hybrids via syngas production. Journal of Materials Chemistry A, 2014, 2, 1418-1428.	5.2	58
152	Synthesis of Large-Pore Methylene-Bridged Periodic Mesoporous Organosilicas and Its Implications. Journal of Physical Chemistry B, 2006, 110, 2656-2661.	1.2	57
153	Liquid-phase synthesis of SrCo0.9Nb0.1O3-Î´ cathode material for proton-conducting solid oxide fuel cells. Ceramics International, 2018, 44, 5139-5144.	2.3	57
154	Adsorption Study of Benzene in Ink-Bottle-Like MCM-41. Industrial & Engineering Chemistry Research, 2001, 40, 862-867.	1.8	56
155	Self-Assembly of Clewlike ZnO Superstructures in the Presence of Copolymer. Journal of Physical Chemistry C, 2007, 111, 9729-9733.	1.5	56
156	Control of ordered structure and morphology of large-pore periodic mesoporous organosilicas by inorganic salt. Microporous and Mesoporous Materials, 2006, 91, 59-69.	2.2	55
157	Cationâ€“anion double hydrolysis derived mesoporous Î³-Al2O3 as an environmentally friendly and efficient aldol reaction catalyst. Journal of Materials Chemistry, 2009, 19, 1554.	6.7	55
158	Preparation of sucrose-based microporous carbons and their application as electrode materials for supercapacitors. Microporous and Mesoporous Materials, 2012, 156, 176-180.	2.2	55
159	Molecular Dynamics Simulations of the Influence of Drop Size and Surface Potential on the Contact Angle of Ionic-Liquid Droplets. Journal of Physical Chemistry C, 2016, 120, 15244-15250.	1.5	55
160	Three-dimensional nitrogen-doped porous carbon anchored CeO₂ quantum dots as an efficient catalyst for formaldehyde oxidation. Journal of Materials Chemistry A, 2018, 6, 7897-7902.	5.2	55
161	Three-dimensional hollow spheres of porous SnO2/rGO composite as high-performance anode for sodium ion batteries. Applied Surface Science, 2019, 479, 198-208.	3.1	55
162	A reinforced study on the synthesis of microporous titanosilicate ETS-10. Microporous and Mesoporous Materials, 2004, 76, 113-122.	2.2	54

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163	Nanoporous organosilica membrane for water desalination. Chemical Communications, 2013, 49, 4534.	2.2	53
164	Immobilization of aluminum chloride on MCM-41 as a new catalyst system for liquid-phase isopropylation of naphthalene. Journal of Molecular Catalysis A, 2003, 191, 67-74.	4.8	52
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