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List of Publications by Year
in descending order

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887 papers	114,465 citations	217 146 h-index	169 321 g-index
916 all docs	916 docs citations	916 times ranked	59931 citing authors

#	Article	IF	Citations
1	Photocatalytic CO₂ Reduction: Identification and Elimination of False-Positive Results. ACS Energy Letters, 2022, 7, 1611-1617.	8.8	34
2	Non-Noble Plasmonic Metal-Based Photocatalysts. Chemical Reviews, 2022, 122, 10484-10537.	23.0	268
3	Metal-metal interactions in correlated single-atom catalysts. Science Advances, 2022, 8, eabo0762.	4.7	142
4	Zirconium Containing Periodic Mesoporous Organosilica: The Effect of Zr on CO2 Sorption at Ambient Conditions. Journal of Composites Science, 2022, 6, 168.	1.4	5
5	Engineering of Yolk/Coreâ€“Shell Structured Nanoreactors for Thermal Hydrogenations. Small, 2021, 17, e1906250.	5.2	60
6	Surface modification of zero-valent iron nanoparticles with Î²-cyclodextrin for 4-nitrophenol conversion. Journal of Colloid and Interface Science, 2021, 586, 655-662.	5.0	26
7	Toward development of single-atom ceramic catalysts for selective catalytic reduction of NO with NH3. Journal of Hazardous Materials, 2021, 401, 123413.	6.5	20
8	Facile mechanochemical synthesis of highly mesoporous Î³-Al2O3 using boehmite. Microporous and Mesoporous Materials, 2021, 312, 110792.	2.2	17
9	Renaissance of StÃ¶ber method for synthesis of colloidal particles: New developments and opportunities. Journal of Colloid and Interface Science, 2021, 584, 838-865.	5.0	124
10	Catalytic role of metals supported on SBA-16 in hydrodeoxygenation of chemical compounds derived from biomass processing. RSC Advances, 2021, 11, 9505-9517.	1.7	12
11	Recent advances in mechanochemical synthesis of mesoporous metal oxides. Materials Advances, 2021, 2, 2510-2523.	2.6	21
12	Engineering nanoreactors for metalâ€“chalcogen batteries. Energy and Environmental Science, 2021, 14, 540-575.	15.6	70
13	Highly Porous Carbons Synthesized from Tannic Acid via a Combined Mechanochemical Salt-Templating and Mild Activation Strategy. Molecules, 2021, 26, 1826.	1.7	13
14	Electrocatalytic Refinery for Sustainable Production of Fuels and Chemicals. Angewandte Chemie, 2021, 133, 19724-19742.	1.6	30
15	Electrocatalytic Refinery for Sustainable Production of Fuels and Chemicals. Angewandte Chemie - International Edition, 2021, 60, 19572-19590.	7.2	341
16	Short-Range Ordered Iridium Single Atoms Integrated into Cobalt Oxide Spinel Structure for Highly Efficient Electrocatalytic Water Oxidation. Journal of the American Chemical Society, 2021, 143, 5201-5211.	6.6	287
17	Mechanochemistry: Toward green synthesis of metalâ€“organic frameworks. Materials Today, 2021, 46, 109-124.	8.3	143
18	Advances in Microwave Synthesis of Nanoporous Materials. Advanced Materials, 2021, 33, e2103477.	11.1	84

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19	Nickel ferrocyanide as a high-performance urea oxidation electrocatalyst. Nature Energy, 2021, 6, 904-912.	19.8	305
20	Reversible electrochemical oxidation of sulfur in ionic liquid for high-voltage Alâ˜'S batteries. Nature Communications, 2021, 12, 5714.	5.8	80
21	Assessing the contribution of micropores and mesopores from nitrogen adsorption on nanoporous carbons: Application to pore size analysis. Carbon, 2021, 183, 150-157.	5.4	25
22	Single-Atom Photocatalysts for Emerging Reactions. ACS Central Science, 2021, 7, 39-54.	5.3	94
23	An aluminum lining to the dark cloud of silver resistance: harnessing the power of potent antimicrobial activity of Î³-alumina nanoparticles. Biomaterials Science, 2021, 9, 7996-8006.	2.6	5
24	Tannin-derived micro-mesoporous carbons prepared by one-step activation with potassium oxalate and CO2. Journal of Colloid and Interface Science, 2020, 558, 55-67.	5.0	31
25	Integrating 2D/2D CdS/Î±-Fe2O3 ultrathin bilayer Z-scheme heterojunction with metallic Î²-NiS nanosheet-based ohmic-junction for efficient photocatalytic H2 evolution. Applied Catalysis B: Environmental, 2020, 266, 118619.	10.8	199
26	Revealing Principles for Design of Lean-Electrolyte Lithium Metal Anode via In Situ Spectroscopy. Journal of the American Chemical Society, 2020, 142, 2012-2022.	6.6	142
27	Recent Progress in Engineering the Atomic and Electronic Structure of Electrocatalysts via Cation Exchange Reactions. Advanced Materials, 2020, 32, e2001866.	11.1	101
28	Strategies for development of nanoporous materials with 2D building units. Chemical Society Reviews, 2020, 49, 6039-6055.	18.7	30
29	Recent advances in the development and applications of biomass-derived carbons with uniform porosity. Journal of Materials Chemistry A, 2020, 8, 18464-18491.	5.2	68
30	Major advances in the development of ordered mesoporous materials. Chemical Communications, 2020, 56, 7836-7848.	2.2	74
31	Ruthenium-containing SBA-12 catalysts for anisole hydrodeoxygenation. Catalysis Today, 2020, 354, 67-76.	2.2	16
32	A generalized strategy for synthesizing crystalline bismuth-containing nanomaterials. Nanoscale, 2020, 12, 8277-8284.	2.8	6
33	Mechanochemical synthesis of highly porous materials. Materials Horizons, 2020, 7, 1457-1473.	6.4	165
34	Potassium citrate-assisted eco-friendly synthesis of tannin-derived nitrogen-doped microâ€“mesoporous carbon microspheres. Journal of Materials Science, 2020, 55, 13716-13736.	1.7	12
35	Phosphorus Vacancies that Boost Electrocatalytic Hydrogen Evolution by Two Orders of Magnitude. Angewandte Chemie, 2020, 132, 8258-8263.	1.6	28
36	Strategies for design of electrocatalysts for hydrogen evolution under alkaline conditions. Materials Today, 2020, 36, 125-138.	8.3	308

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37	Transition metal dichalcogenides for alkali metal ion batteries: engineering strategies at the atomic level. Energy and Environmental Science, 2020, 13, 1096-1131.	15.6	266
38	Phosphorus Vacancies that Boost Electrocatalytic Hydrogen Evolution by Two Orders of Magnitude. Angewandte Chemie - International Edition, 2020, 59, 8181-8186.	7.2	183
39	Identification of preferentially exposed crystal facets by X-ray diffraction. RSC Advances, 2020, 10, 5585-5589.	1.7	39
40	Fundamentals of adsorption for photocatalysis. Interface Science and Technology, 2020, , 39-62.	1.6	11
41	Hierarchical porous photocatalysts. Interface Science and Technology, 2020, , 63-102.	1.6	4
42	Mechanochemical synthesis of three-component graphene oxide/ordered mesoporous carbon/metal-organic framework composites. Journal of Colloid and Interface Science, 2020, 577, 163-172.	5.0	22
43	Roadmap for advanced aqueous batteries: From design of materials to applications. Science Advances, 2020, 6, eaba4098.	4.7	1,069
44	The Application of Hollow Structured Anodes for Sodiumâ€Ion Batteries: From Simple to Complex Systems. Advanced Materials, 2019, 31, e1800492.	11.1	143
45	Characterization of semiconductor photocatalysts. Chemical Society Reviews, 2019, 48, 5184-5206.	18.7	260
46	Ultrafast preparation of saccharide-derived carbon microspheres with excellent dispersibility via ammonium persulfate-assisted hydrothermal carbonization. Journal of Materials Chemistry A, 2019, 7, 18840-18845.	5.2	38
47	Amino acid-assisted synthesis of porous graphitic carbon spheres with highly dispersed Ni nanoparticles. Carbon, 2019, 153, 206-216.	5.4	20
48	Anomalous hydrogen evolution behavior in high-pH environment induced by locally generated hydronium ions. Nature Communications, 2019, 10, 4876.	5.8	220
49	High benzene adsorption capacity of micro-mesoporous carbon spheres prepared from XAD-4 resin beads with pores protected effectively by silica. Journal of Materials Science, 2019, 54, 13892-13900.	1.7	15
50	Prussian blue-assisted one-pot synthesis of nitrogen-doped mesoporous graphitic carbon spheres for supercapacitors. Journal of Materials Chemistry A, 2019, 7, 22092-22102.	5.2	19
51	One-pot synthesis of activated porous graphitic carbon spheres with cobalt nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 582, 123884.	2.3	11
52	Revealing the Origin of Improved Reversible Capacity of Dual-Shell Bismuth Boxes Anode for Potassium-Ion Batteries. Matter, 2019, 1, 1681-1693.	5.0	81
53	Building Up a Picture of the Electrocatalytic Nitrogen Reduction Activity of Transition Metal Single-Atom Catalysts. Journal of the American Chemical Society, 2019, 141, 9664-9672.	6.6	642
54	0D/2D NiS2/V-MXene composite for electrocatalytic H2 evolution. Journal of Catalysis, 2019, 375, 8-20.	3.1	150

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55	Breaking the volcano-plot limits for Pt-based electrocatalysts by selective tuning adsorption of multiple intermediates. Journal of Materials Chemistry A, 2019, 7, 13635-13640.	5.2	24
56	Understanding the Roadmap for Electrochemical Reduction of CO₂ to Multi-Carbon Oxygenates and Hydrocarbons on Copper-Based Catalysts. Journal of the American Chemical Society, 2019, 141, 7646-7659.	6.6	711
57	Polyvinyl pyrrolidone-assisted synthesis of size-tunable polymer spheres at elevated temperature and their conversion to nitrogen-containing carbon spheres. Journal of Colloid and Interface Science, 2019, 549, 162-170.	5.0	14
58	Development of nickel-incorporated MCM-41â€“carbon composites and their application in nitrophenol reduction. Journal of Materials Chemistry A, 2019, 7, 9618-9628.	5.2	43
59	Development of activated graphene-MOF composites for H2 and CH4 adsorption. Adsorption, 2019, 25, 521-528.	1.4	10
60	Multi-shell hollow structured Sb2S3 for sodium-ion batteries with enhanced energy density. Nano Energy, 2019, 60, 591-599.	8.2	136
61	Syngas production from electrocatalytic CO₂ reduction with high energetic efficiency and current density. Journal of Materials Chemistry A, 2019, 7, 7675-7682.	5.2	62
62	Cocatalysts for Selective Photoreduction of CO₂into Solar Fuels. Chemical Reviews, 2019, 119, 3962-4179.	23.0	1,591
63	Nickel-based materials for supercapacitors. Materials Today, 2019, 25, 35-65.	8.3	247
64	Evaporation-induced self-assembly synthesis of nanostructured alumina-based mixed metal oxides with tailored porosity. Journal of Colloid and Interface Science, 2019, 537, 725-735.	5.0	18
65	Charge-Redistribution-Enhanced Nanocrystalline Ru@IrOx Electrocatalysts for Oxygen Evolution in Acidic Media. CheM, 2019, 5, 445-459.	5.8	354
66	Ultrahigh benzene adsorption capacity of graphene-MOF composite fabricated via MOF crystallization in 3D mesoporous graphene. Microporous and Mesoporous Materials, 2019, 279, 387-394.	2.2	52
67	Copper benzene-1,3,5-tricarboxylate (Cu-BTC) metal-organic framework (MOF) and porous carbon composites as efficient carbon dioxide adsorbents. Journal of Colloid and Interface Science, 2019, 535, 122-132.	5.0	85
68	Benzene adsorption on synthesized and commercial metalâ€“organic frameworks. Journal of Porous Materials, 2019, 26, 775-783.	1.3	23
69	A Regularly Channeled Lamellar Membrane for Unparalleled Water and Organics Permeation. Angewandte Chemie - International Edition, 2018, 57, 6814-6818.	7.2	183
70	A Regularly Channeled Lamellar Membrane for Unparalleled Water and Organics Permeation. Angewandte Chemie, 2018, 130, 6930-6934.	1.6	21
71	Activated polypyrrole-derived carbon spheres for superior CO2 uptake at ambient conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 549, 147-154.	2.3	25
72	Titelbild: A Regularly Channeled Lamellar Membrane for Unparalleled Water and Organics Permeation (Angew. Chem. 23/2018). Angewandte Chemie, 2018, 130, 6819-6819.	1.6	2

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73	Capture of Iodide by Bismuth Vanadate and Bismuth Oxide: An Insight into the Process and its Aftermath. ChemSusChem, 2018, 11, 1486-1493.	3.6	19
74	Application of novel hierarchical niobium-containing zeolites for synthesis of alkyl lactate and lactic acid. Journal of Colloid and Interface Science, 2018, 516, 379-383.	5.0	24
75	Activated carbon derived from chitin aerogels: preparation and CO2 adsorption. Cellulose, 2018, 25, 1911-1920.	2.4	40
76	Cocatalysts in Semiconductorâ€based Photocatalytic CO₂ Reduction: Achievements, Challenges, and Opportunities. Advanced Materials, 2018, 30, 1704649.	11.1	1,034
77	Ultrathin Titanate Nanosheets/Graphene Films Derived from Confined Transformation for Excellent Na/K Ion Storage. Angewandte Chemie - International Edition, 2018, 57, 8540-8544.	7.2	170
78	Toward designing semiconductor-semiconductor heterojunctions for photocatalytic applications. Applied Surface Science, 2018, 430, 2-17.	3.1	211
79	Highly porous carbons obtained by activation of polypyrrole/reduced graphene oxide as effective adsorbents for CO2, H2 and C6H6. Journal of Porous Materials, 2018, 25, 621-627.	1.3	28
80	A flexible bio-inspired H2-production photocatalyst. Applied Catalysis B: Environmental, 2018, 220, 148-160.	10.8	146
81	Gas adsorption properties of hybrid graphene-MOF materials. Journal of Colloid and Interface Science, 2018, 514, 801-813.	5.0	143
82	2nd international workshop on graphene and C 3 N 4 -based photocatalysts. Applied Surface Science, 2018, 430, 1.	3.1	1
83	One-Pot Synthesis of MeAl₂O₄(Me = Ni, Co, or Cu) Supported on Î³-Al₂O₃with Ultralarge Mesopores: Enhancing Interfacial Defects in Î³-Al₂O₃To Facilitate the Formation of Spinel Structures at Lower Temperatures. Chemistry of Materials, 2018, 30, 436-446.	3.2	58
84	Facile formation of metallic bismuth/bismuth oxide heterojunction on porous carbon with enhanced photocatalytic activity. Journal of Colloid and Interface Science, 2018, 513, 82-91.	5.0	65
85	Effect of graphene oxide on the adsorption properties of ordered mesoporous carbons toward H2, C6H6, CH4 and CO2. Microporous and Mesoporous Materials, 2018, 261, 105-110.	2.2	41
86	Submicroreactors: The Development of Yolk-Shell-Structured Pd&ZnO@Carbon Submicroreactors with High Selectivity and Stability (Adv. Funct. Mater. 32/2018). Advanced Functional Materials, 2018, 28, 1870227.	7.8	1
87	Effect of metalâ€“ligand ratio on the CO₂ adsorption properties of Cuâ€“BTC metalâ€“organic frameworks. RSC Advances, 2018, 8, 35551-35556.	1.7	24
88	Development of Aluminaâ€“Mesoporous Organosilica Hybrid Materials for Carbon Dioxide Adsorption at 25 Â°C. Materials, 2018, 11, 2301.	1.3	15
89	Atomic-level structure engineering of metal oxides for high-rate oxygen intercalation pseudocapacitance. Science Advances, 2018, 4, eaau6261.	4.7	164
90	A boron imidazolate framework with mechanochromic and electrocatalytic properties. Materials Horizons, 2018, 5, 1151-1155.	6.4	44

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91	2D-NLDFT adsorption models for porous oxides with corrugated cylindrical pores. Journal of Colloid and Interface Science, 2018, 532, 588-597.	5.0	22
92	Hollow mesoporous organosilica nanospheres templated with flower-like micelles of pentablock copolymers. Journal of Colloid and Interface Science, 2018, 528, 124-134.	5.0	22
93	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. Materials Today, 2018, 21, 1042-1063.	8.3	1,134
94	The Development of Yolkâ€“Shellâ€Structured Pd&ZnO@Carbon Submicroreactors with High Selectivity and Stability. Advanced Functional Materials, 2018, 28, 1801737.	7.8	78
95	Ultrathin Titanate Nanosheets/Graphene Films Derived from Confined Transformation for Excellent Na/K Ion Storage. Angewandte Chemie, 2018, 130, 8676-8680.	1.6	36
96	Importance of surface modification of Î³-alumina in creating its nanostructured composites with zeolitic imidazolate framework ZIF-67. Journal of Colloid and Interface Science, 2018, 526, 497-504.	5.0	31
97	In Situ Synthesis of Nitrogen-Enriched Activated Carbons from Procambarus clarkii Shells with Enhanced CO₂ Adsorption Performance. Energy & Fuels, 2018, 32, 9701-9710.	2.5	23
98	Tailoring surface and structural properties of composite materials by coupling Pt-decorated graphene oxide and ZIF-8-derived carbon. Applied Surface Science, 2018, 459, 760-766.	3.1	12
99	One-Pot Synthesis of Mesoporous Niâ€“Tiâ€“Al Ternary Oxides: Highly Active and Selective Catalysts for Steam Reforming of Ethanol. ACS Applied Materials & Interfaces, 2017, 9, 6079-6092.	4.0	44
100	Heterojunction Photocatalysts. Advanced Materials, 2017, 29, 1601694.	11.1	3,143
101	Fabrication of coreâ€“shell, yolkâ€“shell and hollow Fe₃O₄@carbon microboxes for high-performance lithium-ion batteries. Materials Chemistry Frontiers, 2017, 1, 823-830.	3.2	58
102	Design and synthesis of porous ZnTiO₃/TiO₂ nanocages with heterojunctions for enhanced photocatalytic H₂ production. Journal of Materials Chemistry A, 2017, 5, 11615-11622.	5.2	54
103	From waste Coca ColaÂ® to activated carbons with impressive capabilities for CO2 adsorption and supercapacitors. Carbon, 2017, 116, 490-499.	5.4	188
104	Na₂Ti₃O₇@Nâ€Doped Carbon Hollow Spheres for Sodiumâ€Ion Batteries with Excellent Rate Performance. Advanced Materials, 2017, 29, 1700989.	11.1	275
105	SBA-15 templating synthesis of mesoporous bismuth oxide for selective removal of iodide. Journal of Colloid and Interface Science, 2017, 501, 248-255.	5.0	26
106	Selfâ€Templating Synthesis of Hollow Co₃O₄ Microtube Arrays for Highly Efficient Water Electrolysis. Angewandte Chemie, 2017, 129, 1344-1348.	1.6	79
107	Selfâ€Templating Synthesis of Hollow Co₃O₄ Microtube Arrays for Highly Efficient Water Electrolysis. Angewandte Chemie - International Edition, 2017, 56, 1324-1328.	7.2	648
108	Tetraethyl orthosilicate-assisted synthesis of nitrogen-containing porous carbon spheres. Carbon, 2017, 121, 408-417.	5.4	41

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109	Effect of microstructure and surface hydroxyls on the catalytic activity of Au/AlOOH for formaldehyde removal at room temperature. Journal of Colloid and Interface Science, 2017, 501, 164-174.	5.0	76
110	Engineering Highâ€Energy Interfacial Structures for Highâ€Performance Oxygenâ€Involving Electrocatalysis. Angewandte Chemie - International Edition, 2017, 56, 8539-8543.	7.2	314
111	Engineering Highâ€Energy Interfacial Structures for Highâ€Performance Oxygenâ€Involving Electrocatalysis. Angewandte Chemie, 2017, 129, 8659-8663.	1.6	36
112	Amidoxime-functionalized nanocrystalline celluloseâ€“mesoporous silica composites for carbon dioxide sorption at ambient and elevated temperatures. Journal of Materials Chemistry A, 2017, 5, 7462-7473.	5.2	42
113	Facet effect of Pd cocatalyst on photocatalytic CO 2 reduction over g-C 3 N 4. Journal of Catalysis, 2017, 349, 208-217.	3.1	332
114	Gas adsorption properties of graphene-based materials. Advances in Colloid and Interface Science, 2017, 243, 46-59.	7.0	106
115	Atomically and Electronically Coupled Pt and CoO Hybrid Nanocatalysts for Enhanced Electrocatalytic Performance. Advanced Materials, 2017, 29, 1604607.	11.1	224
116	Titelbild: Selfâ€Templating Synthesis of Hollow Co₃O₄ Microtube Arrays for Highly Efficient Water Electrolysis (Angew. Chem. 5/2017). Angewandte Chemie, 2017, 129, 1181-1181.	1.6	2
117	Preparation of highly ordered mesoporous ethaneâ€“silicas under weakly acidic conditions and their hydrothermal stability. Journal of Materials Chemistry A, 2017, 5, 21378-21388.	5.2	6
118	Dendritic porous yolk@ordered mesoporous shell structured heterogeneous nanocatalysts with enhanced stability. Journal of Materials Chemistry A, 2017, 5, 21560-21569.	5.2	53
119	Defect formation in metalâ€“organic frameworks initiated by the crystal growth-rate and effect on catalytic performance. Journal of Catalysis, 2017, 354, 84-91.	3.1	72
120	Dual optimization of microporosity in carbon spheres for CO₂ adsorption by using pyrrole as the carbon precursor and potassium salt as the activator. Journal of Materials Chemistry A, 2017, 5, 19456-19466.	5.2	27
121	Activating cobalt(II) oxide nanorods for efficient electrocatalysis by strain engineering. Nature Communications, 2017, 8, 1509.	5.8	361
122	Molecular Scaffolding Strategy with Synergistic Active Centers To Facilitate Electrocatalytic CO₂ Reduction to Hydrocarbon/Alcohol. Journal of the American Chemical Society, 2017, 139, 18093-18100.	6.6	439
123	Ultra-thin nanosheet assemblies of graphitic carbon nitride for enhanced photocatalytic CO₂ reduction. Journal of Materials Chemistry A, 2017, 5, 3230-3238.	5.2	621
124	Tailoring porosity in carbon spheres for fast carbon dioxide adsorption. Journal of Colloid and Interface Science, 2017, 487, 162-174.	5.0	28
125	Hollow Carbon Nanospheres with Tunable Hierarchical Pores for Drug, Gene, and Photothermal Synergistic Treatment. Small, 2017, 13, 1602592.	5.2	111
126	Energy and environmental photocatalytic materials. Applied Surface Science, 2017, 391, 71.	3.1	11

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127	Enhanced formaldehyde oxidation on CeO 2 /AlOOH-supported Pt catalyst at room temperature. Applied Catalysis B: Environmental, 2016, 199, 458-465.	10.8	142
128	Significant Enhancement of Water Splitting Activity of Nâ€Carbon Electrocatalyst by Trace Level Co Doping. Small, 2016, 12, 3703-3711.	5.2	111
129	Revisiting the StÓ§ber method: Design of nitrogen-doped porous carbon spheres from molecular precursors of different chemical structures. Journal of Colloid and Interface Science, 2016, 476, 55-61.	5.0	30
130	Mesoporous Alumina with Amidoxime Groups for CO2 Sorption at Ambient and Elevated Temperatures. Industrial & Engineering Chemistry Research, 2016, 55, 5598-5607.	1.8	27
131	Polymer-templated mesoporous hybrid oxides of Al and Cu: highly porous sorbents for ammonia. RSC Advances, 2016, 6, 38662-38670.	1.7	3
132	Synthesis of Porous Crystalline Doped Titania Photocatalysts Using Modified Precursor Strategy. Chemistry of Materials, 2016, 28, 7878-7888.	3.2	23
133	High Electrocatalytic Hydrogen Evolution Activity of an Anomalous Ruthenium Catalyst. Journal of the American Chemical Society, 2016, 138, 16174-16181.	6.6	852
134	Synthesis and applications of porous non-silica metal oxide submicrospheres. Chemical Society Reviews, 2016, 45, 6013-6047.	18.7	147
135	Engineering surface atomic structure of single-crystal cobalt (II) oxide nanorods for superior electrocatalysis. Nature Communications, 2016, 7, 12876.	5.8	568
136	Interacting Carbon Nitride and Titanium Carbide Nanosheets for Highâ€Performance Oxygen Evolution. Angewandte Chemie, 2016, 128, 1150-1154.	1.6	96
137	Interacting Carbon Nitride and Titanium Carbide Nanosheets for Highâ€Performance Oxygen Evolution. Angewandte Chemie - International Edition, 2016, 55, 1138-1142.	7.2	597
138	Determination of the Electron Transfer Number for the Oxygen Reduction Reaction: From Theory to Experiment. ACS Catalysis, 2016, 6, 4720-4728.	5.5	513
139	Mesoporous calcium oxideâ€“silica and magnesium oxideâ€“silica composites for CO₂ capture at ambient and elevated temperatures. Journal of Materials Chemistry A, 2016, 4, 10914-10924.	5.2	44
140	Amine-modified silica nanotubes and nanospheres: synthesis and CO₂ sorption properties. Environmental Science: Nano, 2016, 3, 806-817.	2.2	26
141	Microwave-assisted single-surfactant templating synthesis of mesoporous zeolites. RSC Advances, 2016, 6, 54956-54963.	1.7	10
142	Developing microporosity in KevlarÂ®-derived carbon fibers by CO2 activation for CO2 adsorption. Journal of CO2 Utilization, 2016, 16, 17-22.	3.3	43
143	Triconstituent co-assembly synthesis of N,S-doped carbonâ€“silica nanospheres with smooth and rough surfaces. Journal of Materials Chemistry A, 2016, 4, 3721-3727.	5.2	35
144	Surface activated carbon nitride nanosheets with optimized electro-optical properties for highly efficient photocatalytic hydrogen production. Journal of Materials Chemistry A, 2016, 4, 2445-2452.	5.2	121

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145	Room-temperature catalytic oxidation of formaldehyde on catalysts. Catalysis Science and Technology, 2016, 6, 3649-3669.	2.1	197
146	Yolkâ€“Shellâ€Structured Aluminum Phenylphosphonate Microspheres with Anionic Core and Cationic Shell. Advanced Science, 2016, 3, 1500363.	5.6	23
147	Aqueous synthesis of bimodal mesoporous carbons and carbon-silica mesostructures under basic conditions. Microporous and Mesoporous Materials, 2016, 226, 299-308.	2.2	9
148	A synthetic strategy for carbon nanospheres impregnated with highly monodispersed metal nanoparticles. NPG Asia Materials, 2016, 8, e240-e240.	3.8	66
149	Preparation and adsorption properties of aerocellulose-derived activated carbon monoliths. Cellulose, 2016, 23, 1363-1374.	2.4	36
150	Amidoxime-functionalized microcrystalline celluloseâ€“mesoporous silica composites for carbon dioxide sorption at elevated temperatures. Journal of Materials Chemistry A, 2016, 4, 4808-4819.	5.2	33
151	Hierarchical photocatalysts. Chemical Society Reviews, 2016, 45, 2603-2636.	18.7	1,517
152	Carbon-based two-dimensional layered materials for photocatalytic CO 2 reduction to solar fuels. Energy Storage Materials, 2016, 3, 24-35.	9.5	178
153	Equilibrium isotherms and isosteric heat for CO2 adsorption on nanoporous carbons from polymers. Adsorption, 2016, 22, 581-588.	1.4	23
154	Development of mesoporous magnesium oxideâ€“alumina composites for CO2 capture. Journal of CO2 Utilization, 2016, 13, 114-118.	3.3	25
155	Benzene and Methane Adsorption on Ultrahigh Surface Area Carbons Prepared from Sulphonated Styrene Divinylbenzene Resin by KOH Activation. Adsorption Science and Technology, 2015, 33, 587-594.	1.5	27
156	Nitrogenâ€Doped Carbon Electrocatalysts Decorated with Transition Metals for the Oxygen Reduction Reaction. ChemCatChem, 2015, 7, 3808-3817.	1.8	69
157	Softâ€Templating Synthesis of Nâ€Doped Mesoporous Carbon Nanospheres for Enhanced Oxygen Reduction Reaction. Chemistry - an Asian Journal, 2015, 10, 1546-1553.	1.7	57
158	TiO₂Photocatalytic Materials 2014. International Journal of Photoenergy, 2015, 2015, 1-2.	1.4	0
159	Porous C₃N₄ Nanolayers@N-Graphene Films as Catalyst Electrodes for Highly Efficient Hydrogen Evolution. ACS Nano, 2015, 9, 931-940.	7.3	655
160	Design of electrocatalysts for oxygen- and hydrogen-involving energy conversion reactions. Chemical Society Reviews, 2015, 44, 2060-2086.	18.7	4,323
161	Selective Ion Exchange Governed by the Irvingâ€“Williams Series in K₂Zn₃[Fe(CN)₆]₂ Nanoparticles: Toward a Designer Prodrug for Wilsonâ€™s Disease. Inorganic Chemistry, 2015, 54, 1212-1214.	1.9	33
162	Highâ€Performance Sodium Ion Batteries Based on a 3D Anode from Nitrogenâ€Doped Graphene Foams. Advanced Materials, 2015, 27, 2042-2048.	11.1	812

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163	Ordered mesoporous carbonâ€“titania composites and their enhanced photocatalytic properties. Journal of Colloid and Interface Science, 2015, 449, 297-303.	5.0	15
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