

Wei-Guo Song

List of Publications by Year in descending order

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396
papers

28,911
citations

4960

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h-index

6996

154
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409
all docs

409
docs citations

409
times ranked

28079
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of Covalent Organic Framework for Catalysis: Pd/COF-LZU1 in Suzuki–Miyaura Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2011, 133, 19816-19822.	13.7	1,942
2	Self-Assembled 3D Flowerlike Iron Oxide Nanostructures and Their Application in Water Treatment. <i>Advanced Materials</i> , 2006, 18, 2426-2431.	21.0	1,526
3	Tin Nanoparticles Encapsulated in Elastic Hollow Carbon Spheres for High-Performance Anode Material in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2008, 20, 1160-1165.	21.0	1,002
4	The Mechanism of Methanol to Hydrocarbon Catalysis. <i>Accounts of Chemical Research</i> , 2003, 36, 317-326.	15.6	871
5	Synthesis of Hierarchically Structured Metal Oxides and their Application in Heavy Metal Ion Removal. <i>Advanced Materials</i> , 2008, 20, 2977-2982.	21.0	568
6	3D Flowerlike Ceria Micro/Nanocomposite Structure and Its Application for Water Treatment and CO Removal. <i>Chemistry of Materials</i> , 2007, 19, 1648-1655.	6.7	433
7	Low-Cost Synthesis of Flowerlike Fe_2O_3 Nanostructures for Heavy Metal Ion Removal: Adsorption Property and Mechanism. <i>Langmuir</i> , 2012, 28, 4573-4579.	3.5	409
8	Identification of the nitrogen species on N-doped graphene layers and Pt/NG composite catalyst for direct methanol fuel cell. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12055.	2.8	392
9	A Bi/BiOCl heterojunction photocatalyst with enhanced electron–hole separation and excellent visible light photodegrading activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1677-1681.	10.3	363
10	Mono dispersed SnO ₂ nanoparticles on both sides of single layer graphene sheets as anode materials in Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2010, 20, 5462.	6.7	362
11	Methylbenzenes Are the Organic Reaction Centers for Methanol-to-Olefin Catalysis on HSAPO-34. <i>Journal of the American Chemical Society</i> , 2000, 122, 10726-10727.	13.7	359
12	Adsorption of heavy metal ions from aqueous solution by carboxylated cellulose nanocrystals. <i>Journal of Environmental Sciences</i> , 2013, 25, 933-943.	6.1	340
13	Hierarchically Structured Cobalt Oxide (Co ₃ O ₄): The Morphology Control and Its Potential in Sensors. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15858-15863.	2.6	339
14	Microwave-assisted gas/liquid interfacial synthesis of flowerlike NiO hollow nanosphere precursors and their application as supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 3204.	6.7	311
15	Roles for Cyclopentenyl Cations in the Synthesis of Hydrocarbons from Methanol on Zeolite Catalyst HZSM-5. <i>Journal of the American Chemical Society</i> , 2000, 122, 4763-4775.	13.7	296
16	One-step synthesis of magnetic composites of cellulose@iron oxide nanoparticles for arsenic removal. <i>Journal of Materials Chemistry A</i> , 2013, 1, 959-965.	10.3	296
17	Ceria Hollow Nanospheres Produced by a Template-Free Microwave-Assisted Hydrothermal Method for Heavy Metal Ion Removal and Catalysis. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9865-9870.	3.1	280
18	Pd nanoparticles in silica hollow spheres with mesoporous walls: a nanoreactor with extremely high activity. <i>Chemical Communications</i> , 2010, 46, 6524.	4.1	277

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19	Introducing Dual Functional CNT Networks into CuO Nanomicrospheres toward Superior Electrode Materials for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2008, 20, 3617-3622.	6.7	270
20	Hydrothermal Synthesis of Monolithic Co ₃ Se ₄ Nanowire Electrodes for Oxygen Evolution and Overall Water Splitting with High Efficiency and Extraordinary Catalytic Stability. <i>Advanced Energy Materials</i> , 2017, 7, 1602579.	19.5	267
21	Supramolecular Origins of Product Selectivity for Methanol-to-Olefin Catalysis on HSAPO-34. <i>Journal of the American Chemical Society</i> , 2001, 123, 4749-4754.	13.7	266
22	An Oft-Studied Reaction That May Never Have Been: A Direct Catalytic Conversion of Methanol or Dimethyl Ether to Hydrocarbons on the Solid Acids HZSM-5 or HSAPO-34. <i>Journal of the American Chemical Society</i> , 2002, 124, 3844-3845.	13.7	260
23	Superb Adsorption Capacity and Mechanism of Flowerlike Magnesium Oxide Nanostructures for Lead and Cadmium Ions. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4283-4287.	8.0	259
24	Performance and mechanism of Mg/Fe layered double hydroxides for fluoride and arsenate removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2013, 228, 731-740.	12.7	257
25	High-Yield Gas-Liquid Interfacial Synthesis of Highly Dispersed Fe ₃ O ₄ Nanocrystals and Their Application in Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2009, 21, 1162-1166.	6.7	256
26	Nitrogen, Phosphorus, and Sulfur Co-Doped Hollow Carbon Shell as Superior Metal-Free Catalyst for Selective Oxidation of Aromatic Alkanes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4016-4020.	13.8	250
27	Simulation of evacuation processes using a multi-grid model for pedestrian dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 363, 492-500.	2.6	230
28	Strong Local Coordination Structure Effects on Subnanometer PtO _x Clusters over CeO ₂ Nanowires Probed by Low-Temperature CO Oxidation. <i>ACS Catalysis</i> , 2015, 5, 5164-5173.	11.2	214
29	Synthesis, Characterization, and Adsorption Properties of Nanocrystalline ZSM-5. <i>Langmuir</i> , 2004, 20, 8301-8306.	3.5	213
30	Sandwichlike Magnesium Silicate/Reduced Graphene Oxide Nanocomposite for Enhanced Pb ²⁺ and Methylene Blue Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14653-14659.	8.0	205
31	Pulse-Quench Catalytic Reactor Studies Reveal a Carbon-Pool Mechanism in Methanol-to-Gasoline Chemistry on Zeolite HZSM-5. <i>Journal of the American Chemical Society</i> , 1998, 120, 2650-2651.	13.7	190
32	From water reduction to oxidation: Janus Co-Ni-P nanowires as high-efficiency and ultrastable electrocatalysts for over 3000 h water splitting. <i>Journal of Power Sources</i> , 2016, 330, 156-166.	7.8	190
33	Ordered Mesoporous Ce _{1-x} Zr _x O ₂ Solid Solutions with Crystalline Walls. <i>Journal of the American Chemical Society</i> , 2007, 129, 6698-6699.	13.7	171
34	Vapor-solid synthesis of monolithic single-crystalline CoP nanowire electrodes for efficient and robust water electrolysis. <i>Chemical Science</i> , 2017, 8, 2952-2958.	7.4	162
35	Chrysanthemum-like Fe ₃ O ₄ microspheres produced by a simple green method and their outstanding ability in heavy metal ion removal. <i>Journal of Materials Chemistry</i> , 2011, 21, 7878.	6.7	158
36	In-Situ Loading of Noble Metal Nanoparticles on Hydroxyl-Group-Rich Titania Precursor and Their Catalytic Applications. <i>Chemistry of Materials</i> , 2007, 19, 4557-4562.	6.7	156

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37	Extraction and quantitative analysis of microscopic evacuation characteristics based on digital image processing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 2717-2726.	2.6	155
38	Experiment and multi-grid modeling of evacuation from a classroom. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5901-5909.	2.6	153
39	Interfacial synthesis of ordered and stable covalent organic frameworks on amino-functionalized carbon nanotubes with enhanced electrochemical performance. <i>Chemical Communications</i> , 2017, 53, 6303-6306.	4.1	147
40	Facile synthesis of nanoporous anatase spheres and their environmental applications. <i>Chemical Communications</i> , 2008, , 1184.	4.1	146
41	Phosphorus doped graphene nanosheets for room temperature NH ₃ sensing. <i>New Journal of Chemistry</i> , 2014, 38, 2269.	2.8	141
42	Preparation and Characterization of Carbon Nitride Nanotubes and Their Applications as Catalyst Supporter. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8668-8672.	3.1	139
43	Nitrogen and silica co-doped graphene nanosheets for NO ₂ gas sensing. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6130.	10.3	138
44	Superb fluoride and arsenic removal performance of highly ordered mesoporous aluminas. <i>Journal of Hazardous Materials</i> , 2011, 198, 143-150.	12.4	137
45	A yolk-shell structured Fe ₂ O ₃ @mesoporous SiO ₂ nanoreactor for enhanced activity as a Fenton catalyst in total oxidation of dyes. <i>Chemical Communications</i> , 2013, 49, 2332.	4.1	136
46	Layer Structured Fe ₂ O ₃ /Reduced Graphene Oxide Composites as High-Performance Anode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3932-3936.	8.0	129
47	In Situ One-Step Method for Preparing Carbon Nanotubes and Pt Composite Catalysts and Their Performance for Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11174-11179.	3.1	127
48	Metal silicate nanotubes with nanostructured walls as superb adsorbents for uranyl ions and lead ions in water. <i>Journal of Materials Chemistry</i> , 2012, 22, 17222.	6.7	125
49	Extremely high arsenic removal capacity for mesoporous aluminium magnesium oxide composites. <i>Environmental Science: Nano</i> , 2016, 3, 94-106.	4.3	123
50	Selective Synthesis of Methylnaphthalenes in HSAPO-34 Cages and Their Function as Reaction Centers in Methanol-to-Olefin Catalysis. <i>Journal of Physical Chemistry B</i> , 2001, 105, 12839-12843.	2.6	122
51	NMR and Theoretical Study of Acidity Probes on Sulfated Zirconia Catalysts. <i>Journal of the American Chemical Society</i> , 2000, 122, 12561-12570.	13.7	120
52	ITO@Cu ₂ S Tunnel Junction Nanowire Arrays as Efficient Counter Electrode for Quantum-Dot-Sensitized Solar Cells. <i>Nano Letters</i> , 2014, 14, 365-372.	9.1	118
53	Synthesis of a Benzenium Ion in a Zeolite with Use of a Catalytic Flow Reactor. <i>Journal of the American Chemical Society</i> , 1998, 120, 4025-4026.	13.7	117
54	Flexible macroporous carbon nanofiber film with high oil adsorption capacity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3557.	10.3	117

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55	Insights into the Mechanism of Methanol-to-Olefin Conversion at Zeolites with Systematically Selected Framework Structures. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6512-6515.	13.8	115
56	Experiment and modeling of exit-selecting behaviors during a building evacuation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 815-824.	2.6	115
57	Low-cost synthesis of graphitic carbon nanofibers as excellent room temperature sensors for explosive gases. <i>Journal of Materials Chemistry</i> , 2012, 22, 15342.	6.7	114
58	Synthesis and characterization of multi-amino-functionalized cellulose for arsenic adsorption. <i>Carbohydrate Polymers</i> , 2013, 92, 380-387.	10.2	113
59	Biomass chitosan derived cobalt/nitrogen doped carbon nanotubes for the electrocatalytic oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5740-5745.	10.3	113
60	Low-cost and large-scale synthesis of alkaline earth metal germanate nanowires as a new class of lithium ion battery anode material. <i>Energy and Environmental Science</i> , 2012, 5, 8007.	30.8	111
61	A novel Ni ₃ N/graphene nanocomposite as supercapacitor electrode material with high capacitance and energy density. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16633-16641.	10.3	110
62	Size-Dependent Properties of Nanocrystalline Silicalite Synthesized with Systematically Varied Crystal Sizes. <i>Langmuir</i> , 2004, 20, 4696-4702.	3.5	109
63	Experimental study on microscopic moving characteristics of pedestrians in built corridor based on digital image processing. <i>Building and Environment</i> , 2010, 45, 2160-2169.	6.9	108
64	Self-supported Co-Ni-P ternary nanowire electrodes for highly efficient and stable electrocatalytic hydrogen evolution in acidic solution. <i>Catalysis Today</i> , 2017, 287, 122-129.	4.4	105
65	Nanoscale Magnetic Stirring Bars for Heterogeneous Catalysis in Microscopic Systems. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2661-2664.	13.8	104
66	Sustainable and Facile Route to Nearly Monodisperse Spherical Aggregates of CeO ₂ Nanocrystals with Ionic Liquids and Their Catalytic Activities for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18405-18411.	3.1	101
67	Mesoporous Multicomponent Nanocomposite Colloidal Spheres: Ideal High-Temperature Stable Model Catalysts. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3725-3729.	13.8	101
68	Homogeneously Dispersed Ceria Nanocatalyst Stabilized with Ordered Mesoporous Alumina. <i>Advanced Materials</i> , 2010, 22, 1475-1478.	21.0	100
69	Experimental study on characteristics of pedestrian evacuation on stairs in a high-rise building. <i>Safety Science</i> , 2016, 86, 165-173.	4.9	100
70	Aromatic ring substituted g-C ₃ N ₄ for enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17199-17203.	10.3	100
71	Enhanced electron separation on in-plane benzene-ring doped g-C ₃ N ₄ nanosheets for visible light photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 459-464.	20.2	99
72	Controllable Preparation of Submicrometer Single-Crystal C ₆₀ Rods and Tubes Trough Concentration Depletion at the Surfaces of Seeds. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10498-10502.	3.1	98

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73	Single Chromium Atoms Supported on Titanium Dioxide Nanoparticles for Synergic Catalytic Methane Conversion under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1216-1219.	13.8	98
74	MgAl layered double hydroxides with chloride and carbonate ions as interlayer anions for removal of arsenic and fluoride ions in water. <i>RSC Advances</i> , 2015, 5, 10412-10417.	3.6	97
75	A Persistent Carbenium Ion on the Methanol-to-Olefin Catalyst HSAPO-34: Acetone Shows the Way. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4317-4323.	2.6	96
76	Experimental study on evacuation process in a stairwell of a high-rise building. <i>Building and Environment</i> , 2012, 47, 316-321.	6.9	95
77	Removal of multifold heavy metal contaminations in drinking water by porous magnetic Fe ₂ O ₃ @AlO(OH) superstructure. <i>Journal of Materials Chemistry A</i> , 2013, 1, 473-477.	10.3	95
78	Nitrogen, phosphorus and sulfur co-doped ultrathin carbon nanosheets as a metal-free catalyst for selective oxidation of aromatic alkanes and the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18470-18477.	10.3	93
79	-Nearest-Neighbor interaction induced self-organized pedestrian counter flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2101-2117.	2.6	92
80	Self-organized criticality of forest fire in China. <i>Ecological Modelling</i> , 2001, 145, 61-68.	2.5	91
81	Unprecedentedly high activity and selectivity for hydrogenation of nitroarenes with single atomic Co ₁ N ₃ P ₁ sites. <i>Nature Communications</i> , 2022, 13, 723.	12.8	91
82	0.3 Å... Makes the Difference: Dramatic Changes in Methanol-to-Olefin Activities between H-ZSM-12 and H-ZSM-22 Zeolites. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24987-24992.	3.1	90
83	Hierarchical flowerlike magnesium oxide hollow spheres with extremely high surface area for adsorption and catalysis. <i>Journal of Materials Chemistry A</i> , 2016, 4, 400-406.	10.3	89
84	Development of Improved Materials for Environmental Applications: Nanocrystalline NaY Zeolites. <i>Environmental Science & Technology</i> , 2005, 39, 1214-1220.	10.0	88
85	New hierarchical zinc silicate nanostructures and their application in lead ion adsorption. <i>Journal of Materials Chemistry</i> , 2012, 22, 3562.	6.7	87
86	Boosting the Open Circuit Voltage and Fill Factor of QDSSCs Using Hierarchically Assembled ITO@Cu ₂ S Nanowire Array Counter Electrodes. <i>Nano Letters</i> , 2015, 15, 3088-3095.	9.1	86
87	Synthesis of the Heptamethylbenzenium Cation in Zeolite-12: in situ NMR and Theory. <i>Catalysis Letters</i> , 2002, 81, 49-53.	2.6	85
88	Temperature-Responsive Smart Nanoreactors: Poly(<i>N</i> -isopropylacrylamide)-Coated Au@Mesoporous-SiO ₂ Hollow Nanospheres. <i>Langmuir</i> , 2012, 28, 13452-13458.	3.5	84
89	Simulation of emotional contagion using modified SIR model: A cellular automaton approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 405, 380-391.	2.6	84
90	One-step fabrication and characterization of hierarchical MgFe ₂ O ₄ microspheres and their application for lead removal. <i>Microporous and Mesoporous Materials</i> , 2015, 207, 170-178.	4.4	84

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91	N, P, and S Codoped Graphene-Like Carbon Nanosheets for Ultrafast Uranium (VI) Capture with High Capacity. <i>Advanced Science</i> , 2018, 5, 1800235.	11.2	84
92	Synthesis of Micrometer-Sized Nanostructured Magnesium Oxide and Its High Catalytic Activity in the Claisen-Schmidt Condensation Reaction. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11340-11344.	3.1	82
93	Staircase evacuation modeling and its comparison with an egress drill. <i>Building and Environment</i> , 2009, 44, 1039-1046.	6.9	81
94	Flowerlike WSe ₂ and WS ₂ microspheres: one-pot synthesis, formation mechanism and application in heavy metal ion sequestration. <i>Chemical Communications</i> , 2016, 52, 4481-4484.	4.1	81
95	Direct observation of olefin homologations on zeolite ZSM-22 and its implications to methanol to olefin conversion. <i>Journal of Catalysis</i> , 2008, 258, 83-86.	6.2	80
96	A multi-grid model for pedestrian evacuation in a room without visibility. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 45-61.	2.6	80
97	Diffusion Induced Reactant Shape Selectivity Inside Mesoporous Pores of Pd@meso-SiO ₂ Nanoreactor in Suzuki Coupling Reactions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14986-14991.	3.1	78
98	Vanadium nanobelts coated nickel foam 3D bifunctional electrode with excellent catalytic activity and stability for water electrolysis. <i>Nanoscale</i> , 2016, 8, 10731-10738.	5.6	78
99	Core-shell structured mesoporous silica as acid-base bifunctional catalyst with designated diffusion path for cascade reaction sequences. <i>Chemical Communications</i> , 2012, 48, 10541.	4.1	76
100	Modeling pedestrian evacuation with guiders based on a multi-grid model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 540-547.	2.1	76
101	CuO nanoclusters coated with mesoporous SiO ₂ as highly active and stable catalysts for olefin epoxidation. <i>Journal of Materials Chemistry</i> , 2011, 21, 5774.	6.7	74
102	High yield method for nanocrystalline zeolite synthesis. <i>Chemical Communications</i> , 2005, , 2951.	4.1	73
103	Nanoporous Nickel Spheres as Highly Active Catalyst for Hydrogen Generation from Ammonia Borane. <i>ChemSusChem</i> , 2010, 3, 1241-1244.	6.8	73
104	Characterization of partially reduced graphene oxide as room temperature sensor for H ₂ . <i>Nanoscale</i> , 2011, 3, 2458.	5.6	73
105	Copper germanate nanowire/reduced graphene oxide anode materials for high energy lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11404.	10.3	73
106	Nanoporous Nitrogen-Doped Titanium Dioxide with Excellent Photocatalytic Activity under Visible Light Irradiation Produced by Molecular Layer Deposition. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9196-9200.	13.8	72
107	The influence of emergency signage on building evacuation behavior: An experimental study. <i>Fire and Materials</i> , 2019, 43, 22-33.	2.0	72
108	A covalent triazine framework as an efficient catalyst for photodegradation of methylene blue under visible light illumination. <i>New Journal of Chemistry</i> , 2014, 38, 5695-5699.	2.8	71

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109	Silica nanotubes with mesoporous walls and various internal morphologies using hard/soft dual templates. <i>Chemical Communications</i> , 2009, , 1261.	4.1	70
110	Fundamental diagrams for multidirectional pedestrian flows. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 033404.	2.3	70
111	Experimental study of pedestrian behaviors in a corridor based on digital image processing. <i>Fire Safety Journal</i> , 2012, 47, 8-15.	3.1	69
112	Programmed Synthesis of Magnetic Magnesium Silicate Nanotubes with High Adsorption Capacities for Lead and Cadmium Ions. <i>Chemistry - A European Journal</i> , 2013, 19, 1558-1562.	3.3	68
113	Synthesis of Porous and Graphitic Carbon for Electrochemical Detection. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20594-20598.	3.1	67
114	Spontaneous Organization of Uniform CeO ₂ Nanoflowers by 3D Oriented Attachment in Hot Surfactant Solutions Monitored with an In Situ Electrical Conductance Technique. <i>Chemistry - A European Journal</i> , 2008, 14, 3380-3390.	3.3	66
115	Trivalent cerium-preponderant CeO ₂ /graphene sandwich-structured nanocomposite with greatly enhanced catalytic activity for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6656-6663.	10.3	66
116	Boosting visible light photocatalytic hydrogen evolution of graphitic carbon nitride via enhancing its interfacial redox activity with cobalt/nitrogen doped tubular graphitic carbon. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 512-518.	20.2	65
117	Title is missing!. <i>Catalysis Letters</i> , 2001, 76, 89-94.	2.6	64
118	One-pot synthesis of sandwich-like reduced graphene oxide@CoNiAl layered double hydroxide with excellent pseudocapacitive properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10858-10863.	10.3	64
119	Nitrogen, Phosphorus, and Sulfur Co-doped Hollow Carbon Shell as Superior Metal-free Catalyst for Selective Oxidation of Aromatic Alkanes. <i>Angewandte Chemie</i> , 2016, 128, 4084-4088.	2.0	64
120	In Situ NMR Investigations of Heterogeneous Catalysis with Samples Prepared under Standard Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 948-949.	13.8	63
121	Origin of the Low Olefin Production over HZSM-22 and HZSM-23 Zeolites: External Acid Sites and Pore Mouth Catalysis. <i>ACS Catalysis</i> , 2014, 4, 529-534.	11.2	63
122	An experimental study on four-directional intersecting pedestrian flows. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P08024.	2.3	63
123	Superior storage performance of carbon nanosprings as anode materials for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2009, 11, 1468-1471.	4.7	61
124	γ-Alumina with hierarchically ordered mesopore/macropore from dual templates. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 289-293.	4.4	60
125	Theoretical and Experimental Investigation of the Effect of Proton Transfer on the 27Al MAS NMR Line Shapes of Zeolite Adsorbate Complexes: An Independent Measure of Solid Acid Strength. <i>Journal of the American Chemical Society</i> , 2002, 124, 10868-10874.	13.7	59
126	Versatile inorganic-organic hybrid WO _x -ethylenediamine nanowires: Synthesis, mechanism and application in heavy metal ion adsorption and catalysis. <i>Nano Research</i> , 2014, 7, 903-916.	10.4	59

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127	Room temperature aldol reactions using magnetic Fe ₃ O ₄ @Fe(OH) ₃ composite microspheres in hydrogen bond catalysis. <i>Chemical Communications</i> , 2010, 46, 1109-1111.	4.1	58
128	Au nanoparticles embedded into the inner wall of TiO ₂ hollow spheres as a nanoreactor with superb thermal stability. <i>Chemical Communications</i> , 2013, 49, 3116.	4.1	58
129	Fe ₂ O ₃ Nanodisks: Layered Structure, Growth Mechanism, and Enhanced Photocatalytic Property. <i>Chemistry - A European Journal</i> , 2013, 19, 11172-11177.	3.3	57
130	C ₆₀ fullerene as an active and stable catalyst for the synthesis of cyclic carbonates from CO ₂ and epoxides. <i>Chemical Communications</i> , 2014, 50, 10307-10310.	4.1	57
131	Experimental and modeling study on evacuation under good and limited visibility in a supermarket. <i>Fire Safety Journal</i> , 2018, 102, 27-36.	3.1	57
132	Aromatic Hydrocarbon Formation in HSAPO-18 Catalysts: A Cage Topology and Acid Site Density. <i>Langmuir</i> , 2002, 18, 8386-8391.	3.5	56
133	Controllable Synthesis of Hollow Hierarchical Palladium Nanostructures with Enhanced Activity for Proton/Hydrogen Sensing. <i>Journal of Physical Chemistry C</i> , 2008, 112, 338-344.	3.1	56
134	Tuning active sites on cobalt/nitrogen doped graphene for electrocatalytic hydrogen and oxygen evolution. <i>Electrochimica Acta</i> , 2018, 265, 497-506.	5.2	56
135	Efficient chromium abstraction from aqueous solution using a low-cost biosorbent: <i>Nauclea diderrichii</i> seed biomass waste. <i>Journal of Saudi Chemical Society</i> , 2016, 20, 49-57.	5.2	54
136	Synthesis and characterization of 3D double branched K junction carbon nanotubes and nanorods. <i>Carbon</i> , 2007, 45, 268-273.	10.3	53
137	Monodispersed Pd clusters generated in situ by their own reductive support for high activity and stability in cross-coupling reactions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12739.	10.3	52
138	High adsorption capacity and the key role of carbonate groups for heavy metal ion removal by basic aluminum carbonate porous nanospheres. <i>Journal of Materials Chemistry</i> , 2012, 22, 19898.	6.7	51
139	Synthesis of Cyclic Carbonates: Catalysis by an Iron-Based Composite and the Role of Hydrogen Bonding at the Solid/Liquid Interface. <i>ChemSusChem</i> , 2012, 5, 652-655.	6.8	51
140	Improving the Li-Ion Storage Performance of Layered Zinc Silicate through the Interlayer Carbon and Reduced Graphene Oxide Networks. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5777-5782.	8.0	51
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