

Changyan Cao

List of Publications by Year in descending order

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125
papers

7,709
citations

50276

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53230

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all docs

126
docs citations

126
times ranked

11014
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Superb fluoride and arsenic removal performance of highly ordered mesoporous aluminas. <i>Journal of Hazardous Materials</i> , 2011, 198, 143-150.	12.4	137
12	A yolk-shell structured Fe_2O_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
13	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
14	Flexible macroporous carbon nanofiber film with high oil adsorption capacity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3557.	10.3	117
15	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
16	Synthesis and characterization of multi-amino-functionalized cellulose for arsenic adsorption. <i>Carbohydrate Polymers</i> , 2013, 92, 380-387.	10.2	113
17	A pH-driven DNA nanoswitch for responsive controlled release. <i>Chemical Communications</i> , 2011, 47, 2850.	4.1	109
18	Nanoscale Magnetic Stirring Bars for Heterogeneous Catalysis in Microscopic Systems. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2661-2664.	13.8	104

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19	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
20	Nitrogen and sulfur co-doped porous carbon derived from bio-waste as a promising electrocatalyst for zinc-air battery. <i>Energy</i> , 2018, 143, 43-55.	8.8	98
21	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
22	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
23	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
24	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
25	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
26	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
27	New hierarchical zinc silicate nanostructures and their application in lead ion adsorption. <i>Journal of Materials Chemistry</i> , 2012, 22, 3562.	6.7	87
28	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
29	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
30	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
31	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
32	Nanoporous Nickel Spheres as Highly Active Catalyst for Hydrogen Generation from Ammonia Borane. <i>ChemSusChem</i> , 2010, 3, 1241-1244.	6.8	73
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	Fabrication of Macroporous/Mesoporous Carbon Nanofiber Using CaCO ₃ Nanoparticles as Dual Purpose Template and Its Application as Catalyst Support. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21426-21432.	3.1	51
44	Cr-doped NiO nanoparticles as selective and stable gas sensor for ppb-level detection of benzyl mercaptan. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129886.	7.8	51
45	Fabrication of nanostructured metal nitrides with tailored composition and morphology. <i>Chemical Communications</i> , 2011, 47, 3619.	4.1	50
46	Synthesis, Self-Assembly, and High Performance in Gas Sensing of X-Shaped Iron Oxide Crystals. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5698-5703.	8.0	48
47	A core-shell satellite structured Fe ₃ O ₄ @MS-NH ₂ @Pd nanocomposite: a magnetically recyclable multifunctional catalyst for one-pot multistep cascade reaction sequences. <i>Nanoscale</i> , 2014, 6, 442-448.	5.6	47
48	Core-shell structured MgAl-LDO@Al-MS hexagonal nanocomposite: an all inorganic acid-base bifunctional nanoreactor for one-pot cascade reactions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 339-344.	10.3	47
49	Mesoporous Ce _{1-x} Zr _x O ₂ solid solution nanofibers as high efficiency catalysts for the catalytic combustion of VOCs. <i>Journal of Materials Chemistry</i> , 2011, 21, 12836.	6.7	46
50	Low-cost synthesis of robust anatase polyhedral structures with a preponderance of exposed {001} facets for enhanced photoactivities. <i>Nano Research</i> , 2012, 5, 434-442.	10.4	46
51	Graphene-based composite supercapacitor electrodes with diethylene glycol as inter-layer spacer. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7706-7710.	10.3	44
52	Cobalt single atoms anchored on N-doped ultrathin carbon nanosheets for selective transfer hydrogenation of nitroarenes. <i>Science China Materials</i> , 2019, 62, 1306-1314.	6.3	44
53	Surfactant-free Palladium Nanoparticles Encapsulated in ZIF-8 Hollow Nanospheres for Size-selective Catalysis in Liquid-phase Solution. <i>ChemCatChem</i> , 2016, 8, 3224-3228.	3.7	43
54	Enhanced catalytic activity of perovskite oxide nanofibers for combustion of methane in coal mine ventilation air. <i>Journal of Materials Chemistry</i> , 2010, 20, 6968.	6.7	41

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55	Fe ³⁺ and amino functionalized mesoporous silica: Preparation, structural analysis and arsenic adsorption. <i>Journal of Hazardous Materials</i> , 2012, 235-236, 336-342.	12.4	41
56	Palladium Nanoparticles Encapsulated in a Silicalite-1 Zeolite Shell for Size-Selective Catalysis in Liquid-Phase Solution. <i>ChemCatChem</i> , 2016, 8, 1279-1282.	3.7	41
57	Size-selective adsorption of anionic dyes induced by the layer space in layered double hydroxide hollow microspheres. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1550-1555.	5.9	41
58	Breaking the activity limitation of iridium single-atom catalyst in hydrogenation of quinoline with synergistic nanoparticles catalysis. <i>Nano Research</i> , 2022, 15, 5024-5031.	10.4	41
59	Coating with mesoporous silica remarkably enhances the stability of the highly active yet fragile flower-like MgO catalyst for dimethyl carbonate synthesis. <i>Chemical Communications</i> , 2013, 49, 6093.	4.1	40
60	Sandwich-like porous TiO ₂ /reduced graphene oxide (rGO) for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8701-8705.	10.3	38
61	Direct Observation of Metal Oxide Nanoparticles Being Transformed into Metal Single Atoms with Oxygen-Coordinated Structure and High Loadings. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15248-15253.	13.8	38
62	Synthesis of a core-shell structured acid-base bifunctional mesoporous silica nanoreactor (MS-SO ₃ H@MS@MS-NH ₂) and its application in tandem catalysis. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12804.	10.3	37
63	Fabrication of porous Co ₃ O ₄ nanowires with high CO sensing performance at a low operating temperature. <i>Chemical Communications</i> , 2014, 50, 14889-14891.	4.1	37
64	A Pd-Cu ₂ O nanocomposite as an effective synergistic catalyst for selective semi-hydrogenation of the terminal alkynes only. <i>Chemical Communications</i> , 2016, 52, 3627-3630.	4.1	37
65	A new ion exchange adsorption mechanism between carbonate groups and fluoride ions of basic aluminum carbonate nanospheres. <i>RSC Advances</i> , 2015, 5, 13256-13260.	3.6	36
66	Amines functionalized C60 as solid base catalysts for Knoevenagel condensation with high activity and stability. <i>RSC Advances</i> , 2015, 5, 86082-86087.	3.6	35
67	Highly Active and Stable Palladium Nanoparticles Encapsulated in a Mesoporous Silica Yolk-Shell Nanoreactor for Suzuki-Miyaura Reactions. <i>ChemCatChem</i> , 2015, 7, 2475-2479.	3.7	34
68	Enhancing reaction rate in a Pickering emulsion system with natural magnetotactic bacteria as nanoscale magnetic stirring bars. <i>Chemical Science</i> , 2018, 9, 2575-2580.	7.4	34
69	N-Doped carbon nanofibers derived from bacterial cellulose as an excellent metal-free catalyst for selective oxidation of arylalkanes. <i>Chemical Communications</i> , 2019, 55, 1935-1938.	4.1	34
70	One-Pot Multistep Cascade Reactions over Multifunctional Nanocomposites with Pd Nanoparticles Supported on Amine-Modified Mesoporous Silica. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2459-2465.	3.3	33
71	A general route to coat poly(cyclotriphosphazene-co-4,4'-sulfonyldiphenol) on various substrates and the derived N, P, S-doped hollow carbon shells for catalysis. <i>Nanoscale</i> , 2017, 9, 13538-13545.	5.6	33
72	One-pot synthesis of porous magnetic cellulose beads for the removal of metal ions. <i>RSC Advances</i> , 2014, 4, 31362.	3.6	32

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73	Carbonaceous aerogel and CoNiAl-LDH@CA nanocomposites derived from biomass for high performance pseudo-supercapacitor. <i>Science Bulletin</i> , 2017, 62, 841-845.	9.0	32
74	Improving the electrochemical performance of Fe ₃ O ₄ nanoparticles via a double protection strategy through carbon nanotube decoration and graphene networks. <i>Nano Research</i> , 2015, 8, 1339-1347.	10.4	30
75	Nitrogen-doped hollow carbon spheres derived from amination reaction of fullerene with alkyl diamines as a carbon catalyst for hydrogenation of aromatic nitro compounds. <i>Carbon</i> , 2017, 125, 139-145.	10.3	30
76	Spindle-shaped nanoscale yolk/shell magnetic stirring bars for heterogeneous catalysis in macro- and microscopic systems. <i>Chemical Communications</i> , 2016, 52, 1575-1578.	4.1	29
77	Controllable synthesis of carbon encapsulated iron phosphide nanoparticles for the chemoselective hydrogenation of aromatic nitroarenes to anilines. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1094-1099.	6.0	29
78	Dynamic evolution of nitrogen and oxygen dual-coordinated single atomic copper catalyst during partial oxidation of benzene to phenol. <i>Nano Research</i> , 2022, 15, 3017-3025.	10.4	29
79	In situ facile loading of noble metal nanoparticles on polydopamine nanospheres via galvanic replacement reaction for multifunctional catalysis. <i>Science China Chemistry</i> , 2017, 60, 1236-1242.	8.2	27
80	Chiral Metal-Organic Framework Hollow Nanospheres for High Efficiency Enantiomer Separation. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1535-1538.	3.3	27
81	Integration of Metal Single Atoms on Hierarchical Porous Nitrogen-Doped Carbon for Highly Efficient Hydrogenation of Large-Sized Molecules in the Pharmaceutical Industry. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17651-17658.	8.0	27
82	Nanoscale Magnetic Stirring Bars for Heterogeneous Catalysis in Microscopic Systems. <i>Angewandte Chemie</i> , 2015, 127, 2699-2702.	2.0	26
83	Controllable Synthesis of Multiheteroatoms Co-Doped Hierarchical Porous Carbon Spheres as an Ideal Catalysis Platform. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19664-19672.	8.0	25
84	Single Chromium Atoms Supported on Titanium Dioxide Nanoparticles for Synergic Catalytic Methane Conversion under Mild Conditions. <i>Angewandte Chemie</i> , 2020, 132, 1232-1235.	2.0	25
85	Direct Observation of Metal Oxide Nanoparticles Being Transformed into Metal Single Atoms with Oxygen-Coordinated Structure and High Loadings. <i>Angewandte Chemie</i> , 2021, 133, 15376-15381.	2.0	24
86	Uniform single atomic Cu ¹ -C ₄ sites anchored in graphdiyne for hydroxylation of benzene to phenol. <i>National Science Review</i> , 2022, 9, .	9.5	22
87	Graphdiyne Nanospheres as a Wettability and Electron Modifier for Enhanced Hydrogenation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	22
88	Core-shell structured nanospheres with mesoporous silica shell and Ni core as a stable catalyst for hydrolytic dehydrogenation of ammonia borane. <i>Journal of Energy Chemistry</i> , 2014, 23, 50-56.	12.9	21
89	Extremely low loading of Ru species on hydroxyapatite as an effective heterogeneous catalyst for olefin epoxidation. <i>Chemical Communications</i> , 2018, 54, 1433-1436.	4.1	19
90	Bifunctional hydrogen evolution and oxygen evolution catalysis using CoP-embedded N-doped nanoporous carbon synthesized via TEOS-assisted method. <i>Energy</i> , 2018, 165, 537-548.	8.8	19

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91	Controllable Loading of Noble Metal Nanoparticles on Multiwalled Carbon Nanotubes/Fe ₃ O ₄ through an In Situ Galvanic Replacement Reaction for High-Performance Catalysis. <i>ChemCatChem</i> , 2014, 6, 1868-1872.	3.7	18
92	Gas-Liquid-Solid Triphase Interfacial Chemical Reactions Associated with Gas Wettability. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001636.	3.7	17
93	Direct synthesis of 1T-phase MoS ₂ nanosheets with abundant sulfur-vacancies through (CH ₃) ₄ N ⁺ cation-intercalation for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13996-14003.	10.3	17
94	Superaerophilic Materials Are Surprising Catalysts: Wettability-Induced Excellent Hydrogenation Activity under Ambient H ₂ Pressure. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801259.	3.7	15
95	Excellent Selectivity with High Conversion in the Semihydrogenation of Alkynes using Palladium-Based Bimetallic Catalysts. <i>ChemCatChem</i> , 2017, 9, 4053-4057.	3.7	14
96	Single-Atom Catalysts for Thermal Heterogeneous Catalysis in Liquid: Recent Progress and Future Perspective. , 2020, 2, 1653-1661.		13
97	Ionic-liquid-assisted synthesis of metal single-atom catalysts for benzene oxidation to phenol. <i>Science China Materials</i> , 2022, 65, 163-169.	6.3	13
98	Sharp size-selective catalysis in a liquid solution over Pd nanoparticles encapsulated in hollow silicalite-1 zeolite crystals. <i>RSC Advances</i> , 2016, 6, 89499-89502.	3.6	12
99	Nanocarbon-based TEMPO as stable heterogeneous catalysts for partial oxidation of alcohols. <i>Science Bulletin</i> , 2016, 61, 772-777.	9.0	11
100	Synthesis of ZSM-5 monoliths with hierarchical porosity through a steam-assisted crystallization method using sponges as scaffolds. <i>Chinese Journal of Catalysis</i> , 2017, 38, 872-877.	14.0	11
101	Bioinspired Hollow Nanoreactor: Catalysts that Carry Gaseous Hydrogen for Enhanced Gas-Liquid-Solid Three-Phase Hydrogenation Reactions. <i>ChemCatChem</i> , 2020, 12, 459-462.	3.7	11
102	Facile Synthesis of Pd Nanoparticles Incorporated into Ultrathin Crystalline g-C ₃ N ₄ with Enhanced Photocatalytic Performance. <i>Crystal Growth and Design</i> , 2020, 20, 7526-7532.	3.0	11
103	One methyl group makes a major difference: shape-selective catalysis by zeolite nanoreactors in liquid-phase condensation reactions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17464-17469.	10.3	10
104	Graphdiyne: a Highly Sensitive Material for ppb-Level NO ₂ Gas Sensing at Room Temperature. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 1317-1322.	2.6	10
105	Enabling an atom-economic production of chiral amino alcohols by electrodialysis with bipolar membranes. <i>Green Chemistry</i> , 2020, 22, 2213-2224.	9.0	9
106	A Co ₃ O ₄ @meso-SiO ₂ Hollow Nanoreactor Prepared from ZIF-67 as an Efficient Catalyst for Olefin Epoxidation by Oxygen. <i>ChemNanoMat</i> , 2020, 6, 751-754.	2.8	9
107	Preparation of Magnetic Tubular Nanoreactors for Highly Efficient Catalysis. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2797-2801.	3.3	8
108	Having it both ways: delicate hierarchical structure and robust mechanical stability on micro/nanomaterials with mesoporous silica coating. <i>Journal of Porous Materials</i> , 2017, 24, 103-108.	2.6	8

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109	Graphdiyne Nanospheres as a Wettability and Electron Modifier for Enhanced Hydrogenation Catalysis. <i>Angewandte Chemie</i> , 0, , .	2.0	8
110	Direct synthesis of ordered mesoporous ZSM-5 zeolites from in situ crystallization of carbonaceous SBA-15. <i>Science China Chemistry</i> , 2017, 60, 1588-1595.	8.2	7
111	Tunable Synthesis of Hexagram-Shaped Hematite Iron Oxide Microcrystals with Shape-Dependent Magnetic Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 5587-5590.	0.9	6
112	A Pd/silica composite with highly uniform Pd nanoparticles on silica lamella via layered silicate. <i>Chemical Physics Letters</i> , 2016, 658, 88-91.	2.6	6
113	Cobalt immobilized on hydroxyapatite as a low-cost and highly effective heterogeneous catalyst for alkenes epoxidation under mild conditions. <i>RSC Advances</i> , 2018, 8, 37303-37306.	3.6	6
114	Application of flowerlike MgO for highly sensitive determination of lead via matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 208-216.	1.5	5
115	Nitrogen, Sulfur Co-doped Carbon Materials Derived from the Leaf, Stem and Root of Amaranth as Metal-free Catalysts for Selective Oxidation of Aromatic Hydrocarbons. <i>ChemCatChem</i> , 2019, 11, 1010-1016.	3.7	5
116	Highly Effective Rh/NaNbO ₃ Catalyst for the Selective Hydrogenation of Benzoic Acid to Cyclohexane Carboxylic Acid Under Mild Conditions. <i>Catalysis Letters</i> , 2022, 152, 2164-2177.	2.6	5
117	Synthesis of Biomimetic Poly[2-(methacryloyloxy)ethyl phosphorycholine]-Coated Magnetite Nanoparticles via Surface-Initiated Atom Transfer Radical Polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8469-8473.	0.9	4
118	Ordered mesoporous silicalite-1 zeolite assembled from colloidal nanocrystalline precursors. <i>Chinese Journal of Catalysis</i> , 2015, 36, 838-844.	14.0	4
119	Simultaneous High Conversion and Selectivity in Olefin Oxidation with Oxygen Through Solid/Liquid/Gas Three-Phase Interface Design. <i>ChemCatChem</i> , 2019, 11, 4524-4528.	3.7	4
120	Construction of Synergistic Co and Cu Diatomic Sites for Enhanced Higher Alcohol Synthesis. <i>CCS Chemistry</i> , 2023, 5, 851-864.	7.8	4
121	NO ₂ sensing with CdS nanowires at room temperature under green light illumination. <i>Materials Futures</i> , 2022, 1, 025303.	8.4	3
122	High-Performance Heterogeneous Thermocatalysis Caused by Catalyst Wettability Regulation. <i>Chemistry - A European Journal</i> , 2022, , .	3.3	2
123	Preparation of Ga ₂ O ₃ Doped Sulfonated Tin Oxides as a Highly Active and Recyclable Heterogeneous Solid Acid Catalyst for Aldol Reactions. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3658-3662.	0.9	1
124	A new approach to maintaining the structural integrity of fragile nanostructured heterogeneous catalysts with nanoscale magnetic stir bars. <i>Science Bulletin</i> , 2019, 64, 229-231.	9.0	1
125	Frontispiece: High-Performance Heterogeneous Thermocatalysis Caused by Catalyst Wettability Regulation. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	0