

An-Wu Xu

List of Publications by Year in descending order

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169
papers

12,110
citations

24978

57
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28224

105
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174
all docs

174
docs citations

174
times ranked

16231
citing authors

#	ARTICLE	IF	CITATIONS
1	The Preparation, Characterization, and their Photocatalytic Activities of Rare-Earth-Doped TiO ₂ Nanoparticles. <i>Journal of Catalysis</i> , 2002, 207, 151-157.	3.1	1,062
2	Noble-Metal-Free Fe-N/C Catalyst for Highly Efficient Oxygen Reduction Reaction under Both Alkaline and Acidic Conditions. <i>Journal of the American Chemical Society</i> , 2014, 136, 11027-11033.	6.6	941
3	Highly Durable N-Doped Graphene/CdS Nanocomposites with Enhanced Photocatalytic Hydrogen Evolution from Water under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11466-11473.	1.5	544
4	Shape Effects of Cu ₂ O Polyhedral Microcrystals on Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5073-5079.	1.5	359
5	Large Ultrathin Anatase TiO ₂ Nanosheets with Exposed {001} Facets on Graphene for Enhanced Visible Light Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19893-19901.	1.5	330
6	Stable blue TiO _{2-x} nanoparticles for efficient visible light photocatalysts. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4429.	5.2	295
7	A Simple Method to Synthesize Dy(OH) ₃ and Dy ₂ O ₃ Nanotubes. <i>Journal of the American Chemical Society</i> , 2003, 125, 1494-1495.	6.6	256
8	Water-dispersible magnetite-graphene-LDH composites for efficient arsenate removal. <i>Journal of Materials Chemistry</i> , 2011, 21, 17353.	6.7	240
9	Novel one-dimensional Bi ₂ O ₃ -Bi ₂ WO ₆ hierarchical heterojunction with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8517-8524.	5.2	240
10	Constructing Highly Uniform Onion-Ring-like Graphitic Carbon Nitride for Efficient Visible-Light-Driven Photocatalytic Hydrogen Evolution. <i>ACS Nano</i> , 2018, 12, 5551-5558.	7.3	231
11	Cobalt phosphate nanoparticles decorated with nitrogen-doped carbon layers as highly active and stable electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8155-8160.	5.2	222
12	Facile Synthesis of the Novel Ag ₃ VO ₄ /AgBr/Ag Plasmonic Photocatalyst with Enhanced Photocatalytic Activity and Stability. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5894-5900.	1.5	198
13	Oxygen deficient ZnO _{1-x} nanosheets with high visible light photocatalytic activity. <i>Nanoscale</i> , 2015, 7, 7216-7223.	2.8	190
14	One-Step In Situ Growth of Iron-Nickel Sulfide Nanosheets on FeNi Alloy Foils: High-Performance and Self-Supported Electrodes for Water Oxidation. <i>Small</i> , 2017, 13, 1604161.	5.2	177
15	Highly Branched Concave Au/Pd Bimetallic Nanocrystals with Superior Electrocatalytic Activity and Highly Efficient SERS Enhancement. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 645-649.	7.2	152
16	Nitrogen dopants in nickel nanoparticles embedded carbon nanotubes promote overall urea oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119436.	10.8	151
17	Polymorph Switching of Calcium Carbonate Crystals by Polymer-Controlled Crystallization. <i>Advanced Functional Materials</i> , 2008, 18, 1307-1313.	7.8	140
18	g-C ₃ N ₄ Hydrogen-Bonding Viologen for Significantly Enhanced Visible-Light Photocatalytic H ₂ Evolution. <i>ACS Catalysis</i> , 2017, 7, 8228-8234.	5.5	131

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19	Direct growth of cobalt-rich cobalt phosphide catalysts on cobalt foil: an efficient and self-supported bifunctional electrode for overall water splitting in alkaline media. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10561-10566.	5.2	130
20	Nonprecious Bimetallic (Fe,Mo)-N/C Catalyst for Efficient Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2016, 6, 4449-4454.	5.5	127
21	Room-temperature synthesis of Zn _{0.80} Cd _{0.20} S solid solution with a high visible-light photocatalytic activity for hydrogen evolution. <i>Nanoscale</i> , 2012, 4, 2046.	2.8	125
22	Carbothermal activation synthesis of 3D porous g-C ₃ N ₄ /carbon nanosheets composite with superior performance for CO ₂ photoreduction. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 196-203.	10.8	125
23	Bimetallic phosphide hollow nanocubes derived from a prussian-blue-analog used as high-performance catalysts for the oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2017, 7, 1549-1555.	2.1	118
24	One-Step Growth of Iron-Nickel Bimetallic Nanoparticles on FeNi Alloy Foils: Highly Efficient Advanced Electrodes for the Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28627-28634.	4.0	116
25	Nanoheterostructured photocatalysts for improving photocatalytic hydrogen production. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1295-1306.	6.9	114
26	Polymer-Mediated Mineralization and Self-Organized Mesoscale-Organized Calcium Carbonate with Unusual Superstructures. <i>Advanced Materials</i> , 2008, 20, 1333-1338.	11.1	111
27	Terbium-based infinite coordination polymer hollow microspheres: preparation and white-light emission. <i>Journal of Materials Chemistry</i> , 2011, 21, 16574.	6.7	111
28	A High-Performance, Low-Tortuosity Wood-Carbon Monolith Reactor. <i>Advanced Materials</i> , 2017, 29, 1604257.	11.1	110
29	Synproportionation Reaction for the Fabrication of Sn ²⁺ Self-Doped SnO _{2-x} Nanocrystals with Tunable Band Structure and Highly Efficient Visible Light Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24157-24166.	1.5	104
30	Facile Fabrication of Bi ₁₂ O ₁₇ Br ₂ /Bi ₂₄ O ₃₁ Br ₁₀ Type II Heterostructures with High Visible Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13032-13040.	1.5	100
31	Synthesis of one-dimensional WO ₃ -Bi ₂ WO ₆ heterojunctions with enhanced photocatalytic activity. <i>CrystEngComm</i> , 2015, 17, 569-576.	1.3	99
32	Efficient adsorption/photodegradation of organic pollutants from aqueous systems using Cu ₂ O nanocrystals as a novel integrated photocatalytic adsorbent. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14563.	5.2	96
33	1,3-Diamino-2-hydroxypropane-N,N,N ⁺ ,N ⁺ -tetraacetic acid stabilized amorphous calcium carbonate: nucleation, transformation and crystal growth. <i>CrystEngComm</i> , 2010, 12, 234-241.	1.3	95
34	2D Nanoporous Fe-N/C Nanosheets as Highly Efficient Non-Platinum Electrocatalysts for Oxygen Reduction Reaction in Zn-Air Battery. <i>Small</i> , 2016, 12, 5710-5719.	5.2	95
35	Metallic MoO ₂ cocatalyst significantly enhances visible-light photocatalytic hydrogen production over MoO ₂ /Zn _{0.5} Cd _{0.5} S heterojunction. <i>Nanoscale</i> , 2015, 7, 5752-5759.	2.8	94
36	Bare Cd _{1-x} Zn _x S ZB/WZ Heterophase Nanojunctions for Visible Light Photocatalytic Hydrogen Production with High Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24550-24558.	4.0	93

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37	Ultrasml Ni nanoparticles embedded in Zr-based MOFs provide high selectivity for CO ₂ hydrogenation to methane at low temperatures. <i>Catalysis Science and Technology</i> , 2018, 8, 3160-3165.	2.1	87
38	Novel CeO ₂ yolk-shell structures loaded with tiny Au nanoparticles for superior catalytic reduction of p-nitrophenol. <i>Nanoscale</i> , 2012, 4, 6835.	2.8	86
39	Supramolecular architectures from the self-assembly of trans-oxamidato-bridged dicopper(II) building blocks and phenyldicarboxylates. <i>Dalton Transactions RSC</i> , 2001, , 2559-2566.	2.3	85
40	The synergistic effect of metallic molybdenum dioxide nanoparticle decorated graphene as an active electrocatalyst for an enhanced hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8055-8061.	5.2	85
41	Carbon-Coated Fe ₃ O ₄ /VO _x Hollow Microboxes Derived from Metal-Organic Frameworks as a High-Performance Anode Material for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3757-3765.	4.0	82
42	Hydrophobic Teflon films as concentrators for single-molecule SERS detection. <i>Journal of Materials Chemistry</i> , 2012, 22, 20986.	6.7	75
43	A Novel Magnetically Recoverable Ni-CeO ₂ /Pd Nanocatalyst with Superior Catalytic Performance for Hydrogenation of Styrene and 4-Nitrophenol. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9756-9762.	4.0	75
44	Synthesis of zinc oxide nanoparticles with strong, tunable and stable visible light emission by solid-state transformation of Zn(ii)-organic coordination polymers. <i>Journal of Materials Chemistry</i> , 2011, 21, 12309.	6.7	74
45	Highly dispersed ultra-small Pd nanoparticles on gadolinium hydroxide nanorods for efficient hydrogenation reactions. <i>Nanoscale</i> , 2017, 9, 13800-13807.	2.8	72
46	Confined Pyrolysis within a Nanochannel to Form a Highly Efficient Single Iron Site Catalyst for Zn-Air Batteries. <i>ACS Energy Letters</i> , 2018, 3, 2383-2389.	8.8	70
47	Plasmon enhanced visible light photocatalytic activity of ternary Ag ₂ Mo ₂ O ₇ @AgBr rod-like heterostructures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14661-14668.	5.2	68
48	The doping of phosphorus atoms into graphitic carbon nitride for highly enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11506-11512.	5.2	68
49	Fabrication of porous Cd-doped ZnO nanorods with enhanced photocatalytic activity and stability. <i>CrystEngComm</i> , 2013, 15, 6518.	1.3	67
50	BaTiO ₃ -graphene nanocomposites: synthesis and visible light photocatalytic activity. <i>New Journal of Chemistry</i> , 2015, 39, 4407-4413.	1.4	67
51	Artificial Photosynthetic Z-scheme Photocatalyst for Hydrogen Evolution with High Quantum Efficiency. <i>Journal of Physical Chemistry C</i> , 2017, 121, 107-114.	1.5	67
52	Calcite Crystals with Platonic Shapes and Minimal Surfaces. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 395-399.	7.2	66
53	Nanocasting synthesis of chromium doped mesoporous CeO ₂ with enhanced visible-light photocatalytic CO ₂ reduction performance. <i>Journal of Hazardous Materials</i> , 2019, 372, 69-76.	6.5	65
54	Single Phase PtAg Bimetallic Alloy Nanoparticles Highly Dispersed on Reduced Graphene Oxide for Electrocatalytic Application of Methanol Oxidation Reaction. <i>Electrochimica Acta</i> , 2016, 197, 117-125.	2.6	64

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55	Highly Efficient Fenton and Enzyme-Mimetic Activities of Mixed-Phase VO ₂ Nanoflakes. ACS Applied Materials & Interfaces, 2016, 8, 30126-30132.	4.0	61
56	Self-assembly of silver(I) polymers with single strand double-helical structures containing the ligand O,O'-bis(8-quinolyl)-1,8-dioxaoctane. Dalton Transactions RSC, 2001, , 2429-2434.	2.3	60
57	P doped molybdenum dioxide on Mo foil with high electrocatalytic activity for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 1647-1652.	5.2	60
58	Metallic 1T-LiMoS ₂ Cocatalyst Significantly Enhanced the Photocatalytic H ₂ Evolution over Cd _{0.5} Zn _{0.5} S Nanocrystals under Visible Light Irradiation. ACS Applied Materials & Interfaces, 2016, 8, 4023-4030.	4.0	59
59	Molecule-Assisted Synthesis of Highly Dispersed Ultrasmall RuO ₂ Nanoparticles on Nitrogen-Doped Carbon Matrix as Ultraefficient Bifunctional Electrocatalysts for Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2018, 6, 11529-11535.	3.2	58
60	Large improvement of visible-light photocatalytic H ₂ -evolution based on cocatalyst-free Zn _{0.5} Cd _{0.5} S synthesized through a two-step process. Catalysis Science and Technology, 2017, 7, 961-967.	2.1	57
61	Hierarchically porous carbon derived from potassium-citrate-loaded poplar catkin for high performance supercapacitors. Journal of Colloid and Interface Science, 2021, 582, 940-949.	5.0	57
62	Facile large-scale synthesis of macroscopic 3D porous graphene-like carbon nanosheets architecture for efficient CO ₂ adsorption. Carbon, 2019, 145, 751-756.	5.4	55
63	Pd/TiO Nanocatalyst with Strong Metal-Support Interaction for Highly Efficient Durable Heterogeneous Hydrogenation. Journal of Physical Chemistry C, 2017, 121, 1162-1170.	1.5	54
64	Synthesis of nanoporous structured iron carbide/Fe-N-carbon composites for efficient oxygen reduction reaction in Zn-air batteries. Journal of Materials Chemistry A, 2016, 4, 19037-19044.	5.2	53
65	A Hybrid VO ₂ Incorporated Hexacyanoferrate Nanostructured Hydrogel as a Multienzyme Mimetic via Cascade Reactions. ACS Nano, 2020, 14, 3017-3031.	7.3	53
66	Multifunctional flexible free-standing titanate nanobelt membranes as efficient sorbents for the removal of radioactive ⁹⁰ Sr ²⁺ and ¹³⁷ Cs ⁺ ions and oils. Scientific Reports, 2016, 6, 20920.	1.6	52
67	Plasmonic MoO ₃ nanoparticles incorporated in Prussian blue frameworks exhibit highly efficient dual photothermal/photodynamic therapy. Journal of Materials Chemistry B, 2019, 7, 2032-2042.	2.9	51
68	Tuning the activity of N-doped carbon for CO ₂ reduction via in situ encapsulation of nickel nanoparticles into nano-hybrid carbon substrates. Journal of Materials Chemistry A, 2019, 7, 6894-6900.	5.2	51
69	Byssal threads inspired ionic cross-linked narce-like graphene oxide paper with superior mechanical strength. RSC Advances, 2014, 4, 40390-40395.	1.7	50
70	Powerful CO ₂ electroreduction performance with N-carbon doped with single Ni atoms. Catalysis Science and Technology, 2019, 9, 3669-3674.	2.1	49
71	Bioproduced Polymers Self-Assemble with Graphene Oxide into Nanocomposite Films with Enhanced Mechanical Performance. ACS Nano, 2020, 14, 14731-14739.	7.3	49
72	Adsorption-enhanced nitrogen-doped mesoporous CeO ₂ as an efficient visible-light-driven catalyst for CO ₂ photoreduction. Journal of CO ₂ Utilization, 2020, 39, 101176.	3.3	47

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73	Facile synthesis of silica nanosheets with hierarchical pore structure and their amine-functionalized composite for enhanced CO ₂ capture. <i>Chemical Engineering Science</i> , 2020, 217, 115528.	1.9	47
74	Core-Shell Carbon-Coated CuO Nanocomposites: A Highly Stable Electrode Material for Supercapacitors and Lithium-Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2015, 10, 595-601.	1.7	46
75	Oxygen vacancy-rich nitrogen-doped Co ₃ O ₄ nanosheets as an efficient water-resistant catalyst for low temperature CO oxidation. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 427-435.	5.0	46
76	Calcium carbonate/CalP6 nanocomposite particles as gene delivery vehicles for human vascular smooth muscle cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 8050.	6.7	44
77	Highly efficient removal of humic acid from aqueous solutions by Mg/Al layered double hydroxides-Fe ₃ O ₄ nanocomposites. <i>RSC Advances</i> , 2014, 4, 21802.	1.7	43
78	Controlled synthesis of thin BiOCl nanosheets with exposed {001} facets and enhanced photocatalytic activities. <i>CrystEngComm</i> , 2015, 17, 3845-3851.	1.3	40
79	Intrinsic peroxidase-like activity and enhanced photo-Fenton reactivity of iron-substituted polyoxometallate nanostructures. <i>Dalton Transactions</i> , 2018, 47, 7344-7352.	1.6	39
80	Oxygen-Deficient TiO ₂ -Methylene Blue Colloids: Highly Efficient Photoreversible Intelligent Ink. <i>Langmuir</i> , 2016, 32, 8980-8987.	1.6	38
81	Synergistic effect of graphene and multi-walled carbon nanotubes composite supported Pd nanocubes on enhancing catalytic activity for electro-oxidation of formic acid. <i>Catalysis Science and Technology</i> , 2016, 6, 4794-4801.	2.1	38
82	A rationally designed Fe-tetrapyrrophenazine complex: a promising precursor to a single-atom Fe catalyst for an efficient oxygen reduction reaction in high-power Zn-air cells. <i>Nanoscale</i> , 2018, 10, 16145-16152.	2.8	37
83	Rational design of a bifunctional fluorescent probe for distinguishing Hcy/Cys from GSH with ideal properties. <i>Chinese Chemical Letters</i> , 2021, 32, 1061-1065.	4.8	37
84	An efficient multidoped Cu _{0.39} Zn _{0.14} Co _{2.47} O ₄ -ZnO electrode attached on reduced graphene oxide and copper foam as superior lithium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2018, 336, 510-517.	6.6	36
85	Oxygen deficient Pr ₆ O ₁₁ nanorod supported palladium nanoparticles: highly active nanocatalysts for styrene and 4-nitrophenol hydrogenation reactions. <i>RSC Advances</i> , 2018, 8, 17504-17510.	1.7	36
86	Heterostructured Calcium Carbonate Microspheres with Calcite Equatorial Loops and Vaterite Spherical Cores. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6317-6321.	7.2	34
87	Engineering of anatase/rutile TiO ₂ heterophase junction via in-situ phase transformation for enhanced photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 795-804.	5.0	34
88	Synthesis of BiOI/Bi ₄ O ₅ I ₂ /Bi ₂ O ₂ CO ₃ heterojunctions with superior photocatalytic activities. <i>New Journal of Chemistry</i> , 2015, 39, 8321-8328.	1.4	33
89	A yellow-emissive carbon nanodot-based ratiometric fluorescent nanosensor for visualization of exogenous and endogenous hydroxyl radicals in the mitochondria of live cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3737-3744.	2.9	33
90	Construction of hierarchically porous 3D graphene-like carbon material by B, N co-doping for enhanced CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2021, 322, 111158.	2.2	33

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91	Carbon nanotube/Sâ€“C nanohybrids as high performance bifunctional electrocatalysts for both oxygen reduction and evolution reactions. <i>New Journal of Chemistry</i> , 2015, 39, 6289-6296.	1.4	32
92	Hydrogenation/oxidation induced efficient reversible color switching between methylene blue and leuco-methylene blue. <i>RSC Advances</i> , 2017, 7, 30080-30085.	1.7	32
93	Synthesis and characterization of single-crystal Sb ₂ S ₃ nanotubes via an EDTA-assisted hydrothermal route. <i>Materials Chemistry and Physics</i> , 2010, 123, 236-240.	2.0	31
94	Amorphous Calcium Carbonate Stabilized by a Flexible Biomimetic Polymer Inspired by Marine Mussels. <i>Crystal Growth and Design</i> , 2013, 13, 1937-1942.	1.4	31
95	Easy Synthesis of Ordered Mesoporous Carbonâ€“Carbon Nanotube Nanocomposite as a Promising Support for CO ₂ Photoreduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2529-2534.	3.2	31
96	Controllable synthesis of nitrogen-doped carbon containing Co and Co ₃ Fe ₇ nanoparticles as effective catalysts for electrochemical oxygen conversion. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 622-631.	5.0	31
97	Constructing highly porous carbon materials from porous organic polymers for superior CO ₂ adsorption and separation. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 775-784.	5.0	31
98	Ultralow Pt Loaded Molybdenum Dioxide/Carbon Nanotubes for Highly Efficient and Durable Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24979-24986.	1.5	30
99	Facile synthesis of 3D flower-like mesoporous Ce-ZnO at room temperature for the sunlight-driven photocatalytic degradations of RhB and phenol. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 726-733.	5.0	30
100	Template-free facile solution synthesis and optical properties of ZnO mesocrystals. <i>CrystEngComm</i> , 2013, 15, 376-381.	1.3	29
101	Dramatic Enhancement of CO ₂ Photoreduction by Biodegradable Lightâ€“Management Paper. <i>Advanced Energy Materials</i> , 2018, 8, 1703136.	10.2	29
102	Hydrogen-bonding-assisted charge transfer: significantly enhanced photocatalytic H ₂ evolution over g-C ₃ N ₄ anchored with ferrocene-based hole relay. <i>Catalysis Science and Technology</i> , 2018, 8, 2853-2859.	2.1	28
103	Metalâ€“acid nanoplate-supported ultrafine Ru nanoclusters for efficient catalytic fractionation of lignin into aromatic alcohols. <i>Green Chemistry</i> , 2019, 21, 2739-2751.	4.6	28
104	Polydopamine Coated PB-MnO ₂ Nanoparticles as an Oxygen Generator Nanosystem for Imaging-Guided Single-NIR-Laser Triggered Synergistic Photodynamic/Photothermal Therapy. <i>Bioconjugate Chemistry</i> , 2020, 31, 1474-1485.	1.8	27
105	Highly dispersed platinum nanoparticles generated in viologen micelles with high catalytic activity and stability. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12206.	5.2	25
106	Supramolecular polymers-derived nonmetal N, S-codoped carbon nanosheets for efficient oxygen reduction reaction. <i>RSC Advances</i> , 2016, 6, 52937-52944.	1.7	25
107	In situ redox deposition of palladium nanoparticles on oxygen-deficient tungsten oxide as efficient hydrogenation catalysts. <i>RSC Advances</i> , 2017, 7, 2351-2357.	1.7	25
108	Graphitic carbon nitride/CoTPP type-II heterostructures with significantly enhanced photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2019, 9, 2196-2202.	2.1	25

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109	Monodisperse Pd Nanotetrahedrons on Ultrathin MoO ₃ Nanosheets as Excellent Heterogeneous Catalyst for Chemoselective Hydrogenation Reactions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27528-27534.	1.5	25
110	Neutral Templating Route to Unusual Mesostructured Silicas. <i>Journal of Physical Chemistry B</i> , 2002, 106, 13161-13164.	1.2	24
111	Gelatin-mediated hydrothermal synthesis of apple-like LaCO ₃ OH hierarchical nanostructures and tunable white-light emission. <i>CrystEngComm</i> , 2011, 13, 4151.	1.3	24
112	Facile synthesis and characterization of ZnO octahedral superstructures from solid-state transformation of Zn(ii)-organic coordination polymers. <i>CrystEngComm</i> , 2012, 14, 6875.	1.3	24
113	Boosting visible-light photocatalytic H ₂ evolution via UiO-66-NH ₂ octahedrons decorated with ultrasmall NiO nanoparticles. <i>Dalton Transactions</i> , 2018, 47, 11705-11712.	1.6	22
114	Dramatic enhancement of photocatalytic H ₂ evolution over hydrolyzed MOF-5 coupled Zn _{0.2} Cd _{0.8} S heterojunction. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 233-241.	5.0	22
115	Hierarchically Ordered Silica Mesophases Using Mixed Surfactant Systems as Templates. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3844-3848.	7.2	21
116	Bifunctional pH-sensitive Zn(ii)-curcumin nanoparticles/siRNA effectively inhibit growth of human bladder cancer cells in vitro and in vivo. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2714.	2.9	21
117	A non-interpenetrating 2D coordination polymer from a (CH ₂) ₈ spacer-based highly flexible linear ligand and AgCF ₃ CO ₂ Electronic supplementary information (ESI) available: ¹ H NMR spectra and data for C8TQ and complex 1 and the 3-D structure of complex 1. See http://www.rsc.org/suppdata/ni/b3/b301777i . <i>New Journal of Chemistry</i> , 2003, 27, 790-792.	1.4	20
118	The preparation of a highly ordered long-range lamellar silica structure with large interlayer spacingsElectronic supplementary information (ESI) available: Figs. S1-S3: XRD, adsorption-desorption isotherms and SEM image. See http://www.rsc.org/suppdata/cc/b2/b204053k/ . <i>Chemical Communications</i> , 2002, , 1614-1615.	2.2	19
119	Selective and sensitive colorimetric detection of copper ions based on anti-aggregation of the glutathione-induced aggregated gold nanoparticles and its application for determining sulfide anions. <i>RSC Advances</i> , 2013, 3, 21424.	1.7	19
120	A new fluorescent probe for monitoring amyloid fibrillation with high sensitivity and reliability. <i>RSC Advances</i> , 2013, 3, 21092.	1.7	19
121	Honeycomb-like g-C ₃ N ₄ /CeO _{2-x} nanosheets obtained via one step hydrothermal-roasting for efficient and stable Cr(VI) photo-reduction. <i>Chinese Chemical Letters</i> , 2020, 31, 2747-2751.	4.8	19
122	Facile construction of highly porous carbon materials derived from porous aromatic frameworks for greenhouse gas adsorption and separation. <i>Microporous and Mesoporous Materials</i> , 2021, 326, 111385.	2.2	19
123	Convenient and sensitive synchronous fluorescence detection of trace TNT based on FRET using FITC-PAH as a probe. <i>Analytical Methods</i> , 2013, 5, 603-607.	1.3	18
124	Dipole-directed assembly of Fe ₃ O ₄ nanoparticles into nanorings via oriented attachment. <i>CrystEngComm</i> , 2014, 16, 1482-1487.	1.3	18
125	Highly Ordered Lamellar Silica/Surfactant Composites Templated from Nonionic Amphiphilic Copolymer. <i>Chemistry of Materials</i> , 2002, 14, 3625-3627.	3.2	17
126	Erbium oxide as a novel support for palladium nanocatalysts with strong metal-support interactions: remarkable catalytic performance in hydrogenation reactions. <i>New Journal of Chemistry</i> , 2018, 42, 19901-19907.	1.4	17

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127	Selenium phosphorus co-doped cobalt oxide nanosheets anchored on Co foil: A self-supported and stable bifunctional electrode for efficient electrochemical water splitting. <i>Electrochimica Acta</i> , 2018, 292, 247-255.	2.6	17
128	In situ integration of Co _{5.47} N and Co _{0.72} Fe _{0.28} alloy nanoparticles into intertwined carbon network for efficient oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 267-276.	5.0	17
129	Synthesis of graphitic mesoporous carbon supported Ce-doped nickel catalyst for steam reforming of toluene. <i>Materials Letters</i> , 2019, 244, 123-125.	1.3	16
130	Selenium-doped two-photon fluorescent carbon nanodots for in-situ free radical scavenging in mitochondria. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 402-409.	5.0	16
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