Yong Hu

List of Publications by Year
in descending order

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Version: 2024-02-01

137 papers	10,797 citations	26567 56 h-index	32761 100 g-index
143 all docs	143 docs citations	143 times ranked	12206 citing authors

#	Article	IF	Citations
1	Construction of hierarchical Niâ€“Coâ€“P hollow nanobricks with oriented nanosheets for efficient overall water splitting. Energy and Environmental Science, 2018, 11, 872-880.	15.6	773
2	Assembling carbon-coated Î±-Fe₂O₃hollow nanohorns on the CNT backbone for superior lithium storage capability. Energy and Environmental Science, 2012, 5, 5252-5256.	15.6	767
3	Carbonâ€Coated CdS Petalous Nanostructures with Enhanced Photostability and Photocatalytic Activity. Angewandte Chemie - International Edition, 2013, 52, 5636-5639.	7.2	355
4	Construction of CoO/Coâ€Cuâ€S Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. Angewandte Chemie - International Edition, 2019, 58, 15441-15447.	7.2	346
5	Formation of Mesoporous Heterostructured BiVO₄/Bi₂S₃ Hollow Discoids with Enhanced Photoactivity. Angewandte Chemie - International Edition, 2014, 53, 5917-5921.	7.2	269
6	A magnetically separable photocatalyst based on nest-like Î³-Fe₂O₃/ZnO double-shelled hollow structures with enhanced photocatalytic activity. Nanoscale, 2012, 4, 183-187.	2.8	262
7	A Roomâ€Temperature Postsynthetic Ligand Exchange Strategy to Construct Mesoporous Feâ€Doped CoP Hollow Triangle Plate Arrays for Efficient Electrocatalytic Water Splitting. Small, 2018, 14, e1704233.	5.2	244
8	Zn-ion hybrid supercapacitors: Achievements, challenges and future perspectives. Nano Energy, 2021, 85, 105942.	8.2	230
9	Microwaveâ€Assisted Synthesis of Porous Ag₂Sâ€“Ag Hybrid Nanotubes with High Visibleâ€Light Photocatalytic Activity. Angewandte Chemie - International Edition, 2012, 51, 11501-11504.	7.2	215
10	Graphene Layersâ€Wrapped Fe/Fe₅C₂ Nanoparticles Supported on Nâ€doped Graphene Nanosheets for Highly Efficient Oxygen Reduction. Advanced Energy Materials, 2018, 8, 1702476.	10.2	205
11	Selective light absorber-assisted single nickel atom catalysts for ambient sunlight-driven CO2 methanation. Nature Communications, 2019, 10, 2359.	5.8	185
12	Formation of mesoporous Co/CoS/Metal-N-C@S, N-codoped hairy carbon polyhedrons as an efficient trifunctional electrocatalyst for Zn-air batteries and water splitting. Chemical Engineering Journal, 2021, 403, 126385.	6.6	174
13	One-Step Solvothermal Formation of Pt Nanoparticles Decorated Pt²⁺-Doped Î±-Fe₂O₃ Nanoplates with Enhanced Photocatalytic O₂ Evolution. ACS Catalysis, 2019, 9, 1211-1219.	5.5	167
14	Microwave-assisted non-aqueous route to deposit well-dispersed ZnO nanocrystals on reduced graphene oxide sheets with improved photoactivity for the decolorization of dyes under visible light. Applied Catalysis B: Environmental, 2012, 125, 425-431.	10.8	161
15	Hierarchical Cu₂S@NiCo-LDH double-shelled nanotube arrays with enhanced electrochemical performance for hybrid supercapacitors. Journal of Materials Chemistry A, 2020, 8, 22163-22174.	5.2	159
16	Construction of mesoporous Cu-doped Co₉S₈ rectangular nanotube arrays for high energy density all-solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2019, 7, 5333-5343.	5.2	150
17	Seed-mediated synthesis of NaY F₄:Y b, ErNaGdF₄nanocrystals with improved upconversion fluorescence and MR relaxivity. Nanotechnology, 2010, 21, 125602.	1.3	149
18	Coating Colloidal Carbon Spheres with CdS Nanoparticles: Microwave-Assisted Synthesis and Enhanced Photocatalytic Activity. Langmuir, 2010, 26, 18570-18575.	1.6	149

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19	Magnetic-field induced formation of 1D Fe3O4/C/CdS coaxial nanochains as highly efficient and reusable photocatalysts for water treatment. Journal of Materials Chemistry, 2011, 21, 18359.	6.7	145
20	Hierarchical MoS2/NiCo2S4@C urchin-like hollow microspheres for asymmetric supercapacitors. Chemical Engineering Journal, 2020, 380, 122544.	6.6	143
21	Effects of nano-TiO2 on photosynthetic characteristics of Ulmus elongata seedlings. Environmental Pollution, 2013, 176, 63-70.	3.7	135
22	A microwave-assisted rapid route to synthesize ZnO/ZnS coreâ€“shell nanostructures via controllable surface sulfidation of ZnO nanorods. CrystEngComm, 2011, 13, 3438.	1.3	133
23	Formation of sandwiched leaf-like CNTs-Co/ZnCo2O4@NC-CNTs nanohybrids for high-power-density rechargeable Zn-air batteries. Nano Energy, 2021, 82, 105710.	8.2	133
24	Facile synthesis of Z-scheme Ag₂CO₃/Ag/AgBr ternary heterostructured nanorods with improved photostability and photoactivity. Journal of Materials Chemistry A, 2015, 3, 5474-5481.	5.2	123
25	Oneâ€Pot Magnetic Field Induced Formation of Fe₃O₄/C Composite Microrods with Enhanced Lithium Storage Capability. Small, 2014, 10, 2815-2819.	5.2	120
26	Trifunctional electrocatalyst of N-doped graphitic carbon nanosheets encapsulated with CoFe alloy nanocrystals: The key roles of bimetal components and high-content graphitic-N. Applied Catalysis B: Environmental, 2021, 298, 120512.	10.8	120
27	Passivation of defect states in anatase TiO2 hollow spheres with Mg doping: Realizing efficient photocatalytic overall water splitting. Applied Catalysis B: Environmental, 2017, 202, 127-133.	10.8	117
28	Facile one-pot synthesis of uniform TiO2â€“Ag hybrid hollow spheres with enhanced photocatalytic activity. Dalton Transactions, 2013, 42, 1122-1128.	1.6	114
29	Reduced CoNi2S4 nanosheets with enhanced conductivity for high-performance supercapacitors. Electrochimica Acta, 2018, 278, 33-41.	2.6	114
30	Facile in-situ growth of Ni2P/Fe2P nanohybrids on Ni foam for highly efficient urea electrolysis. Journal of Colloid and Interface Science, 2019, 541, 279-286.	5.0	113
31	Construction of hierarchical FeP/Ni₂P hollow nanospindles for efficient oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 14103-14111.	5.2	109
32	Facile Formation of Mesoporous BiVO₄/Ag/AgCl Heterostructured Microspheres with Enhanced Visible-Light Photoactivity. Inorganic Chemistry, 2015, 54, 9033-9039.	1.9	108
33	New types of hybrid electrolytes for supercapacitors. Journal of Energy Chemistry, 2021, 57, 219-232.	7.1	106
34	Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes. Applied Catalysis B: Environmental, 2013, 138-139, 1-8.	10.8	97
35	Facile one-pot solvothermal preparation of Mo-doped Bi₂WO₆biscuit-like microstructures for visible-light-driven photocatalytic water oxidation. Journal of Materials Chemistry A, 2016, 4, 13242-13250.	5.2	88
36	Magnetite (Fe3O4) tetrakaidecahedral microcrystals: Synthesis, characterization, and micro-Raman study. Materials Characterization, 2011, 62, 148-151.	1.9	87

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37	Microwave-assisted synthesis of porous CdOâ€“CdS coreâ€“shell nanoboxes with enhanced visible-light-driven photocatalytic reduction of Cr(vi). Journal of Materials Chemistry, 2012, 22, 13895.	6.7	85
38	Facile One-Step Microwave-Assisted Route towards Ni Nanospheres/Reduced Graphene Oxide Hybrids for Non-Enzymatic Glucose Sensing. Sensors, 2012, 12, 4860-4869.	2.1	84
39	Approach of fermi level and electron-trap level in cadmium sulfide nanorods via molybdenum doping with enhanced carrier separation for boosted photocatalytic hydrogen production. Journal of Colloid and Interface Science, 2021, 583, 661-671.	5.0	83
40	Scalable fabrication of ZnxCd1-xS double-shell hollow nanospheres for highly efficient hydrogen production. Applied Catalysis B: Environmental, 2018, 239, 309-316.	10.8	82
41	Unusual formation of tetragonal microstructures from nitrogen-doped carbon nanocapsules with cobalt nanocores as a bi-functional oxygen electrocatalyst. Journal of Materials Chemistry A, 2017, 5, 2271-2279.	5.2	80
42	Construction of CoO/Coâ€Cuâ€S Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. Angewandte Chemie, 2019, 131, 15587-15593.	1.6	80
43	A facile sequential ion exchange strategy to synthesize CoSe₂/FeSe₂ double-shelled hollow nanocuboids for the highly active and stable oxygen evolution reaction. Nanoscale, 2019, 11, 10738-10745.	2.8	80
44	Construction of sugar-gourd-shaped CdS/Co1-xS hollow hetero-nanostructure as an efficient Z-scheme photocatalyst for hydrogen generation. Chemical Engineering Journal, 2020, 400, 125925.	6.6	76
45	Oxygen-vacancy-assisted construction of FeOOH/CdS heterostructure as an efficient bifunctional photocatalyst for CO2 conversion and water oxidation. Applied Catalysis B: Environmental, 2021, 293, 120203.	10.8	71
46	Thickness-dependent carrier separation in Bi2Fe4O9 nanoplates with enhanced photocatalytic water oxidation. Chemical Engineering Journal, 2020, 385, 123929.	6.6	70
47	One-Step Solvothermal Synthesis of Petalous Carbon-Coated Cu⁺-Doped CdS Nanocomposites with Enhanced Photocatalytic Hydrogen Production. Langmuir, 2017, 33, 6719-6726.	1.6	67
48	Two-step nitrogen and sulfur doping in porous carbon dodecahedra for Zn-ion hybrid supercapacitors with long term stability. Chemical Engineering Journal, 2022, 431, 133250.	6.6	65
49	Microwave-assisted deposition of metal sulfide/oxide nanocrystals onto a 3D hierarchical flower-like TiO2 nanostructure with improved photocatalytic activity. Journal of Materials Chemistry A, 2013, 1, 8101.	5.2	64
50	One-pot solvothermal synthesis of multi-shelled Î±-Fe2O3 hollow spheres with enhanced visible-light photocatalytic activity. Journal of Alloys and Compounds, 2013, 551, 440-443.	2.8	64
51	Fabrication of Porous Cu-Doped BiVO₄ Nanotubes as Efficient Oxygen-Evolving Photocatalysts. ACS Applied Nano Materials, 2018, 1, 2589-2599.	2.4	63
52	Directly coat TiO₂ on hydrophobic NaYF₄:Yb,Tm nanoplates and regulate their photocatalytic activities with the core size. Journal of Materials Chemistry A, 2014, 2, 13486-13491.	5.2	60
53	Facile synthesis of porous Bi2O3-BiVO4 p-n heterojunction composite microrods with highly efficient photocatalytic degradation of phenol. Journal of Alloys and Compounds, 2016, 688, 1080-1087.	2.8	60
54	Precise regulation of pyrroleâ€type singleâ€atom Mnâ€N₄ sites for superior pHâ€universal oxygen reduction. , 2021, 3, 856-865.		60

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55	Band-gap engineering of porous BiVO₄ nanoshuttles by Fe and Mo co-doping for efficient photocatalytic water oxidation. Inorganic Chemistry Frontiers, 2017, 4, 2045-2054.	3.0	59
56	A new photocatalyst based on Co(CO3)0.5(OH)Â·0.11H2O/Bi2WO6 nanocomposites for high-efficiency cocatalyst-free O2 evolution. Chemical Engineering Journal, 2019, 359, 924-932.	6.6	59
57	ZnO/ZnFe₂O₄ Magnetic Fluorescent Bifunctional Hollow Nanospheres: Synthesis, Characterization, and Their Optical/Magnetic Properties. Journal of Physical Chemistry C, 2010, 114, 17455-17459.	1.5	58
58	Molecule-assisted modulation of the high-valence Co3+ in 3D honeycomb-like CoxSy networks for high-performance solid-state asymmetric supercapacitors. Science China Materials, 2021, 64, 840-851.	3.5	55
59	Carbon-coated Fe₃O₄ microspheres with a porous multideck-cage structure for highly reversible lithium storage. Chemical Communications, 2015, 51, 6921-6924.	2.2	54
60	One-step phosphorization preparation of gradient-P-doped CdS/CoP hybrid nanorods having multiple channel charge separation for photocatalytic reduction of water. Journal of Colloid and Interface Science, 2021, 596, 431-441.	5.0	54
61	Microwave-assisted route to fabricate coaxial ZnO/C/CdS nanocables with enhanced visible light-driven photocatalytic activity. CrystEngComm, 2012, 14, 7686.	1.3	50
62	Facile synthesis of Ag2WO4/AgCl nanorods for excellent photocatalytic properties. Materials Letters, 2013, 91, 129-132.	1.3	50
63	Facile formation of Ag2WO4/AgX (X=Cl, Br, I) hybrid nanorods with enhanced visible-light-driven photoelectrochemical properties. Materials Research Bulletin, 2015, 61, 315-320.	2.7	48
64	Facile preparation of 2D sandwich-like CdS nanoparticles/nitrogen-doped reduced graphene oxide hybrid nanosheets with enhanced photoelectrochemical properties. Journal of Materials Chemistry A, 2014, 2, 19815-19821.	5.2	47
65	Facile in situ fabrication of Co nanoparticles embedded in 3D N-enriched mesoporous carbon foam electrocatalyst with enhanced activity and stability toward oxygen reduction reaction. Journal of Materials Science, 2019, 54, 5412-5423.	1.7	47
66	Formation of MSâ€“Ag and MS (M = Pb, Cd, Zn) nanotubes via microwave-assisted cation exchange and their enhanced photocatalytic activities. Nanoscale, 2013, 5, 10864.	2.8	46
67	Synergistic effects of Fe and Mn dual-doping in Co3S4 ultrathin nanosheets for high-performance hybrid supercapacitors. Journal of Colloid and Interface Science, 2021, 590, 226-237.	5.0	46
68	Integrating trifunctional Co@NC-CNTs@NiFe-LDH electrocatalysts with arrays of porous triangle carbon plates for high-power-density rechargeable Zn-air batteries and self-powered water splitting. Chemical Engineering Journal, 2022, 446, 137049.	6.6	46
69	Room-Temperature Irradiation Route To Synthesize a Large-Scale Single-Crystalline ZnO Hexangular Prism. Inorganic Chemistry, 2005, 44, 7280-7282.	1.9	45
70	Controllable one-pot synthesis of various one-dimensional Bi2S3 nanostructures and their enhanced visible-light-driven photocatalytic reduction of Cr(VI). Journal of Alloys and Compounds, 2014, 611, 335-340.	2.8	43
71	Accelerating Triple Transport in Zincâ€Air Batteries and Water Electrolysis by Spatially Confining Co Nanoparticles in Breathable Honeycombâ€Like Macroporous Nâ€Doped Carbon. Small, 2021, 17, e2103517.	5.2	43
72	Silica-based complex nanorattles as multifunctional carrier for anticancer drug. Journal of Materials Chemistry, 2011, 21, 8052.	6.7	42

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73	Synthesis of Mesoporous SiO₂@TiO₂ Core/Shell Nanospheres with Enhanced Photocatalytic Properties. Particle and Particle Systems Characterization, 2013, 30, 306-310.	1.2	39
74	Beyond CoO_x: a versatile amorphous cobalt species as an efficient cocatalyst for visible-light-driven photocatalytic water oxidation. Chemical Communications, 2019, 55, 14050-14053.	2.2	38
75	Steering Catalytic Activity and Selectivity of CO₂ Photoreduction to Syngas with Hydroxyâ€Rich Cu₂S@R_{OH}â€NiCo₂O₃ Doubleâ€Shelled Nanoboxes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	38
76	Defect engineering of electrode materials towards superior reaction kinetics for high-performance supercapacitors. Journal of Materials Chemistry A, 2022, 10, 15267-15296.	5.2	38
77	Facile fabrication of mesoporous BiOCl/(BiO)₂CO₃/Bi₂O₃ ternary flower-like heterostructured microspheres with high visible-light-driven photoactivity. Journal of Materials Chemistry A, 2015, 3, 22413-22420.	5.2	37
78	Electrospinning preparation of Sn4+-doped BiFeO3 nanofibers as efficient visible-light-driven photocatalyst for O2 evolution. Journal of Alloys and Compounds, 2018, 766, 274-283.	2.8	37
79	Nitric acid-assisted growth of InVO4 nanobelts on protonated ultrathin C3N4 nanosheets as an S-scheme photocatalyst with tunable oxygen vacancies for boosting CO2 conversion. Chemical Engineering Journal, 2022, 434, 133867.	6.6	37
80	Synthesis of monodispersed single-crystal compass-shaped Mn3O4 via gamma-ray irradiation. Materials Letters, 2006, 60, 383-385.	1.3	36
81	Controllable growth of SnS2/SnO2 heterostructured nanoplates via a hydrothermal-assisted self-hydrolysis process and their visible-light-driven photocatalytic reduction of Cr(vi). RSC Advances, 2014, 4, 29698-29701.	1.7	35
82	A one-pot â€œshielding-to-etchingâ€•strategy to synthesize amorphous MoS₂ modified CoS/Co_{0.85}Se heterostructured nanotube arrays for boosted energy-saving H₂ generation. Nanoscale, 2020, 12, 991-1001.	2.8	33
83	Facile microemulsion route to coat carbonized glucose on upconversion nanocrystals as high luminescence and biocompatible cell-imaging probes. Nanotechnology, 2010, 21, 315105.	1.3	32
84	One-step construction of a transition-metal surface decorated with metal sulfide nanoparticles: A high-efficiency electrocatalyst for hydrogen generation. Journal of Colloid and Interface Science, 2020, 558, 1-8.	5.0	31
85	Facile Clâ€”-mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol. CrystEngComm, 2013, 15, 2598.	1.3	30
86	Electronic modulation of composite electrocatalysts derived from layered NiFeMn triple hydroxide nanosheets for boosted overall water splitting. Nanoscale, 2019, 11, 20797-20808.	2.8	30
87	Fabrication of an Au₂₅â€Cysâ€Mo Electrocatalyst for Efficient Nitrogen Reduction to Ammonia under Ambient Conditions. Small, 2021, 17, e2100372.	5.2	30
88	Unveiling the cooperative roles of pyrrolic-N and carboxyl groups in biomass-derived hierarchical porous carbon nanosheets for high energy-power Zn-ion hybrid supercapacitors. Applied Surface Science, 2022, 598, 153819.	3.1	30
89	Hierarchical molybdenum-doped cobaltous hydroxide nanotubes assembled by cross-linked porous nanosheets with efficient electronic modulation toward overall water splitting. Journal of Colloid and Interface Science, 2020, 562, 400-408.	5.0	29
90	Monodisperse ZnO Nanodots:â€‰ Synthesis, Charaterization, and Optoelectronic Properties. Journal of Physical Chemistry C, 2007, 111, 9757-9760.	1.5	28

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91	Mesoporous silica-coated NaYF4 nanocrystals: facile synthesis, in vitro bioimaging and photodynamic therapy of cancer cells. RSC Advances, 2012, 2, 12263.	1.7	27
92	Electrostatic self-assembly of TiO2 nanoparticles onto carbon spheres with enhanced adsorption capability for Cr(VI). Materials Letters, 2012, 68, 174-177.	1.3	27
93	An efficient and stable Niâ€“Fe selenides/nitrogen-doped carbon nanotubes in situ-derived electrocatalyst for oxygen evolution reaction. Journal of Materials Science, 2020, 55, 13927-13937.	1.7	27
94	pH-induced hydrothermal synthesis of Bi2WO6 nanoplates with controlled crystal facets for switching bifunctional photocatalytic water oxidation/reduction activity. Journal of Colloid and Interface Science, 2021, 602, 868-879.	5.0	27
95	Glucose-assisted transformation of Ni-doped-ZnO@carbon to a Ni-doped-ZnO@void@SiO₂coreâ€“shell nanocomposite photocatalyst. RSC Advances, 2016, 6, 38653-38661.	1.7	26
96	Engineering hierarchical porous ternary Co-Mn-Cu-S nanodisk arrays for ultra-high-capacity hybrid supercapacitors. Journal of Colloid and Interface Science, 2022, 612, 298-307.	5.0	26
97	Temperature-Triggered Self-Assembly of ZnO:â€‰ from Nanocrystals to Nanorods to Tablets. Inorganic Chemistry, 2007, 46, 11031-11035.	1.9	25
98	Enhanced Photoactivity and Photostability for Visibleâ€Lightâ€Driven Water Oxidation over BiFeO₃ Porous Nanotubes by Modification of Mo Doping and Carbon Nanocoating. ChemNanoMat, 2020, 6, 1325-1331.	1.5	24
99	Direct coating ZnO nanocrystals onto 1D Fe3O4/C composite microrods as highly efficient and reusable photocatalysts for water treatment. Journal of Alloys and Compounds, 2015, 637, 301-307.	2.8	23
100	Designed preparation of CoS/Co/MoC nanoparticles incorporated in N and S dual-doped porous carbon nanofibers for high-performance Zn-air batteries. Chinese Chemical Letters, 2021, 32, 2243-2248.	4.8	23
101	Preparation of hollow CdSe nanospheres. Materials Letters, 2004, 58, 2911-2913.	1.3	22
102	Local protonation of polyaniline induced by nitrogen-doped carbon skeleton towards ultra-stable Zn-organic batteries with a dual-ion insertion/extraction mechanism. Chemical Engineering Journal, 2022, 448, 137711.	6.6	22
103	Rapid formation of AgnX(X = S, Cl, PO4, C2O4) nanotubes via an acid-etching anion exchange reaction. Nanoscale, 2014, 6, 5612-5615.	2.8	21
104	Synthesis and Characterization of Semiconductor Nanomaterials and Micromaterials via Gamma-irradiation Route. Journal of Cluster Science, 2007, 18, 371-387.	1.7	20
105	Perspective on Defective Semiconductor Heterojunctions for CO₂ Photoreduction. Langmuir, 2022, 38, 6491-6498.	1.6	20
106	Facile growth of ZnO nanocrystals on nitrogen-doped carbon nanotubes for visible-light photodegradation of dyes. Materials Letters, 2013, 100, 278-281.	1.3	19
107	In-situ photodeposition of cadmium sulfide nanocrystals on manganese dioxide nanorods with rich oxygen vacancies for boosting water-to-oxygen photooxidation. Journal of Colloid and Interface Science, 2022, 613, 764-774.	5.0	19
108	Photocatalytic studies of CdS nanoparticles assembled on carbon microsphere surfaces with different interface structures: from amorphous to graphite-like carbon. CrystEngComm, 2012, 14, 4507.	1.3	18

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109	Facile Growth of <scp><scp>Cu</scp></scp>₂<scp><scp>O</scp></scp> Nanowires on Reduced Graphene Sheets with High Nonenzymatic Electrocatalytic Activity Toward Glucose. Journal of the American Ceramic Society, 2014, 97, 811-815.	1.9	17
110	Facile preparation of ternary Ag2CO3/Ag/PANI composite nanorods with enhanced photoactivity and stability. Journal of Materials Science, 2017, 52, 4521-4531.	1.7	16
111	Preparation of ZnS nanocrystals in network of hydrogel. Materials Letters, 2003, 57, 1312-1316.	1.3	15
112	Decoration of ZnO nanocrystals on the surface of shuttle-shaped Mn2O3 and its magnetic-optical properties. CrystEngComm, 2010, 12, 2687.	1.3	15
113	Synthesis of MWCNT/nickel glycolate polymer coreâ€“shell nanostructures and their nonenzymatic electrocatalytic activity toward glucose. Materials Chemistry and Physics, 2011, 130, 10-13.	2.0	15
114	Synthesis of hollow lead sulfide microspheres. Materials Letters, 2005, 59, 234-237.	1.3	14
115	Recent advances in the synthesis of non-carbon two-dimensional electrode materials for the aqueous electrolyte-based supercapacitors. Chinese Chemical Letters, 2021, 32, 3733-3752.	4.8	14
116	Synthesis of monodispersed CdS nanoballs through Î³-irradiation route and building coreâ€“shell structure CdS@SiO2. Materials Research Bulletin, 2007, 42, 2211-2218.	2.7	13
117	Facile Low-Temperature Synthesis of Carbon Nanotube/ Nanohybrids with Enhanced Visible-Light-Driven Photocatalytic Activity. International Journal of Photoenergy, 2012, 2012, 1-6.	1.4	13
118	Facile synthesis of magnetic metal (Mn, Co, Fe, and Ni) oxide nanosheets. Materials Letters, 2010, 64, 1095-1098.	1.3	12
119	Self-assembly of TiO2 composite microspheres: Facile synthesis, characterization and photocatalytic activities. CrystEngComm, 2012, 14, 7118.	1.3	12
120	Carbon nanocoating: an effective nanoreactor towards well-defined carbon-coated GaN hollow nanospindles. Nanoscale, 2014, 6, 3051-3054.	2.8	12
121	Optimization strategies on the advanced engineering of Co-based nanomaterials for electrochemical oxygen evolution. Journal of Alloys and Compounds, 2022, 890, 161929.	2.8	12
122	Preparation of well uniform-sized and monodisperse ZnS nanoballs by Î³-irradiation method. Materials Letters, 2007, 61, 115-118.	1.3	11
123	Formation of 1D chain-like Fe3O4@C/Pt sandwich nanocomposites and their magnetically recyclable catalytic property. Applied Surface Science, 2018, 457, 1136-1141.	3.1	11
124	Realizing efficient natural sunlight-driven photothermal selective catalytic reduction of nitrogen oxides by AlNx assisted W doped Fe2O3 nanosheets. Solar Energy Materials and Solar Cells, 2020, 208, 110395.	3.0	10
125	A novel route to prepare CdSe hollow structures. Materials Letters, 2003, 57, 3137-3139.	1.3	9
126	Carbon/Metal-Sulfide Composite Template: A New Facile Route Toward Well-Defined Oxide Hollow Nanospheres. Journal of the American Ceramic Society, 2011, 94, 1667-1669.	1.9	8

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127	A facile sacrificial template method to synthesize one-dimensional porous CdO/CdFe₂O₄ hybrid nanoneedles with superior adsorption performance. RSC Advances, 2017, 7, 5093-5100.	1.7	8
128	One-step synthesis and self-organization of polypyrrole ultrathin films inlayed with Prussian blue nanoparticles induced by a drop of toluene solution on water surface. Thin Solid Films, 2012, 520, 2026-2031.	0.8	6
129	Visibleâ€Lightâ€Driven Electrocatalytic Oxygen Evolution Reaction: NiFe₂O₄/NiFeâ€"Layered Double Hydroxide Zâ€Scheme Heteronanosheet as a Model. Energy Technology, 2020, 8, 2000607.	1.8	6
130	Hierarchical mesoporous S,N-codoped carbon nanostructures composed of Co/Co-Cu-S/carbon nanoplate arrays on carbon nanofibers as a self-supported air cathode for long-lasting rechargeable Zn-air batteries. Science China Technological Sciences, 2022, 65, 693-703.	2.0	6
131	A Facile and Generic Strategy to Synthesize Large-Scale Carbon Nanotubes. Journal of Nanomaterials, 2010, 2010, 1-5.	1.5	5
132	Halogen-based functionalized chemistry engineering for high-performance supercapacitors. Chinese Chemical Letters, 2023, 34, 107198.	4.8	4
133	Innentitelbild: Carbon-Coated CdS Petalous Nanostructures with Enhanced Photostability and Photocatalytic Activity (Angew. Chem. 21/2013). Angewandte Chemie, 2013, 125, 5520-5520.	1.6	3
134	Solvothermal Synthesis of Nickel Glycolate Polymer and NiO Microtubes and Their Cr(VI) Absorbing Properties. Advanced Materials Research, 2012, 465, 210-214.	0.3	2
135	InnenrÃ¼cktitelbild: Microwave-Assisted Synthesis of Porous Ag2S-Ag Hybrid Nanotubes with High Visible-Light Photocatalytic Activity (Angew. Chem. 46/2012). Angewandte Chemie, 2012, 124, 11807-11807.	1.6	0
136	Visible-Light-Responsive Heterostructured Nanophotocatalysts for Organic Pollutants Decomposition. Environmental Chemistry for A Sustainable World, 2021, , 35-84.	0.3	0
137	Back Cover Image, Volume 3, Number 6, November 2021. , 2021, 3, ii.		0