

Juncheng Hu

List of Publications by Year in descending order

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112
papers

5,295
citations

61945

43
h-index

91828

69
g-index

117
all docs

117
docs citations

117
times ranked

6989
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow CdS nanotubes with ZIF-8 as co-catalyst for enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1882-1889.	5.0	22
2	Construction of amorphous SiO ₂ modified β -Bi ₂ O ₃ porous hierarchical microspheres for photocatalytic antibiotics degradation. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1717-1729.	5.0	23
3	Carbon dots decorated on the ultrafine metal sulfide nanoparticles implanted hollow layered double hydroxides nanocages as new-type anodes for potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 433, 133539.	6.6	16
4	Pb ²⁺ Responsive Cu-In-Zn-S Quantum Dots With Low Cytotoxicity. <i>Frontiers in Chemistry</i> , 2022, 10, 821392.	1.8	3
5	A distinct hollow spindle-like CdIn ₂ S ₄ photocatalyst for high-efficiency tetracycline removal. <i>Materials Today Chemistry</i> , 2022, 24, 100800.	1.7	6
6	Construction of NH ₂ -MIL-125(Ti)/CdS Z-scheme heterojunction for efficient photocatalytic H ₂ evolution. <i>Journal of Hazardous Materials</i> , 2021, 405, 124128.	6.5	78
7	Enhancing potassium-ion battery performance by MoS ₂ coated nitrogen-doped hollow carbon matrix. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157505.	2.8	21
8	Surface Reconstruction-Associated Partially Amorphized Bismuth Oxychloride for Boosted Photocatalytic Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5088-5098.	4.0	18
9	Zn _{0.8} Cd _{0.2} S Hollow Spheres with a Highly Dispersed Ni Dopant for Boosting Photocatalytic Hydrogen Generation. <i>ACS Omega</i> , 2021, 6, 13544-13553.	1.6	14
10	AgBr Nanoparticles Anchored on CdS Nanorods as Photocatalysts for H ₂ Evolution. <i>ACS Applied Nano Materials</i> , 2021, 4, 9274-9282.	2.4	13
11	Rational design of MoSe ₂ nanosheet-coated MOF-derived N-doped porous carbon polyhedron for potassium storage. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 430-439.	5.0	21
12	Self-assembly of carbon nanotubes on a hollow carbon polyhedron to enhance the potassium storage cycling stability of metal organic framework-derived metallic selenide anodes. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 60-69.	5.0	21
13	Strike a balance between adsorption and catalysis capabilities in Bi ₂ Se ₃ -xO _x composites for high-efficiency antibiotics remediation. <i>Chemical Engineering Journal</i> , 2020, 382, 122877.	6.6	21
14	Boosting potassium storage in nanosheet assembled MoSe ₂ hollow sphere through surface decoration of MoO ₂ nanoparticles. <i>Applied Surface Science</i> , 2020, 505, 144573.	3.1	19
15	Efficient Toluene Adsorption on Metal Salt-Activated Porous Carbons Derived from Low-Cost Biomass: A Discussion of Mechanism. <i>ACS Omega</i> , 2020, 5, 13196-13206.	1.6	10
16	Excellent photoreduction performance of Cr(VI) over (WO ₄) ²⁻ -doped metal organic framework materials. <i>New Journal of Chemistry</i> , 2020, 44, 20704-20714.	1.4	10
17	Efficient Solvent-Free Synthesis of Cyclic Carbonates from the Cycloaddition of Carbon Dioxide and Epoxides Catalyzed by New Imidazolium Functionalized Metal Complexes Under 0.1 MPa. <i>Catalysis Letters</i> , 2020, 150, 2537-2548.	1.4	12
18	Emerging charge transfer in self-coupled polymorphs for promoting charge-carrier-involved photocatalysis. <i>Chemical Engineering Journal</i> , 2020, 396, 125213.	6.6	6

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19	Morphology-preserved transformation of CdS hollow structures toward photocatalytic H ₂ evolution. <i>CrystEngComm</i> , 2020, 22, 1057-1062.	1.3	15
20	Facile one-step synthesis of quaternary AgInZnS quantum dots and their applications for causing bioeffects and detecting Cu ²⁺ . <i>RSC Advances</i> , 2020, 10, 9172-9181.	1.7	11
21	Application and Properties of Microporous Carbons Activated by ZnCl ₂ : Adsorption Behavior and Activation Mechanism. <i>ACS Omega</i> , 2020, 5, 9398-9407.	1.6	46
22	Hierarchical Ni@Co@P hollow tetragonal microtubes grown on Ni foam for efficient overall water splitting in alkaline media. <i>RSC Advances</i> , 2019, 9, 26051-26060.	1.7	3
23	β-Cyclodextrin/Quaternary Ammonium Salt as an Efficient Catalyst System for Chemical Fixation of CO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3263-3268.	0.9	13
24	Crucial Effect of Halogen on the Photocatalytic Hydrogen Evolution for Bi ₁₉ X ₃ S ₂₇ (X = Cl, Br) Nanomaterials. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22958-22966.	1.8	15
25	Construction of CdS/CoO _x core-shell nanorods for efficient photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 109-116.	10.8	117
26	In-situ topotactic synthesis and photocatalytic activity of plate-like BiOCl/2D networks Bi ₂ S ₃ heterostructures. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 570-580.	10.8	185
27	Biomimetic structure design and construction of cactus-like MoS ₂ /Bi ₁₉ Cl ₃ S ₂₇ photocatalysts for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21404-21409.	5.2	21
28	Multiple halide anion doped layered bismuth terephthalate with excellent photocatalysis for pollutant removal. <i>RSC Advances</i> , 2018, 8, 38370-38375.	1.7	5
29	Engineering Amorphous Carbon onto Ultrathin g-C ₃ N ₄ to Suppress Intersystem Crossing for Efficient Photocatalytic H ₂ Evolution. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800859.	1.9	18
30	Construction of Hierarchical MoSe ₂ Hollow Structures and Its Effect on Electrochemical Energy Storage and Conversion. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25483-25492.	4.0	53
31	Generalized Synthesis of Ternary Sulfide Hollow Structures with Enhanced Photocatalytic Performance for Degradation and Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17911-17922.	4.0	55
32	Engineering amorphous red phosphorus onto ZnIn ₂ S ₄ hollow microspheres with enhanced photocatalytic activity. <i>Materials Letters</i> , 2018, 232, 78-81.	1.3	13
33	Facile solvent-thermal synthesis of ultrathin MoSe ₂ nanosheets for hydrogen evolution and organic dyes adsorption. <i>Applied Surface Science</i> , 2017, 402, 277-285.	3.1	62
34	Bismuth terephthalate induced Bi(O) for enhanced RhB photodegradation and 4-nitrophenol reduction. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 111, 431-438.	1.9	7
35	Surfactant-mediated synthesis of single-crystalline Bi ₃ O ₄ Br nanorings with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15706-15713.	5.2	59
36	Synthesis and characterization of single-crystalline Bi ₁₉ Cl ₃ S ₂₇ nanorods. <i>Catalysis Science and Technology</i> , 2017, 7, 3464-3468.	2.1	20

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37	Bi metal-modified Bi ₄ O ₅ I ₂ hierarchical microspheres with oxygen vacancies for improved photocatalytic performance and mechanism insights. <i>Catalysis Science and Technology</i> , 2017, 7, 3580-3590.	2.1	68
38	Synthesis and characterization of single-crystalline Bi ₂ O ₂ SiO ₃ nanosheets with exposed {001} facets. <i>Catalysis Science and Technology</i> , 2017, 7, 3791-3801.	2.1	44
39	Co ₃ O ₄ Nanosheets with In-Plane Pores and Highly Active {112} Exposed Facets for High Performance Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19002-19009.	1.5	30
40	Synthesis of quantum-sized BiOCl supported on SBA-16 with high dispersity and enhanced photocatalytic activity. <i>Materials Letters</i> , 2017, 205, 236-239.	1.3	4
41	Composition-dependent dual halide anion-doped bismuth terephthalate hybrids for enhanced pollutants removal. <i>Microporous and Mesoporous Materials</i> , 2017, 244, 284-290.	2.2	13
42	Synthesis of halide anion-doped bismuth terephthalate hybrids for organic pollutant removal. <i>Applied Organometallic Chemistry</i> , 2016, 30, 304-310.	1.7	13
43	Synthesis and characterization of visible light responsive Bi ₃ NbO ₇ porous nanosheets photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 127-134.	10.8	43
44	Synthesis and visible light responded photocatalytic activity of Sn doped Bi ₂ S ₃ microspheres assembled by nanosheets. <i>RSC Advances</i> , 2016, 6, 39810-39817.	1.7	46
45	Synthesis of CdS hollow spheres coupled with g-C ₃ N ₄ as efficient visible-light-driven photocatalysts. <i>Nanotechnology</i> , 2016, 27, 355402.	1.3	29
46	Synthesis and photocatalytic activity of porous bismuth oxychloride hexagonal prisms. <i>Chemical Communications</i> , 2016, 52, 994-997.	2.2	40
47	Synthesis and photocatalytic activity of BiOBr nanosheets with tunable exposed {0 1 0} facets. <i>Applied Catalysis B: Environmental</i> , 2016, 188, 283-291.	10.8	164
48	Controllable synthesis of highly active BiOCl hierarchical microsphere self-assembled by nanosheets with tunable thickness. <i>Applied Catalysis B: Environmental</i> , 2015, 172-173, 91-99.	10.8	57
49	Hydrothermal synthesis of Mn-doped CdS hollow sphere nanocomposites as efficient visible-light driven photocatalysts. <i>RSC Advances</i> , 2015, 5, 15110-15117.	1.7	18
50	Synthesis and characterization of Ni doped SnO ₂ microspheres with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 56401-56409.	1.7	64
51	Er ³⁺ doped bismuth oxychloride hierarchical microspheres with enhanced photocatalytic properties. <i>Materials Letters</i> , 2015, 158, 229-232.	1.3	10
52	Controllable synthesis and morphology-dependent photocatalytic performance of anatase TiO ₂ nanoplates. <i>RSC Advances</i> , 2015, 5, 513-520.	1.7	31
53	Synthesis and Photocatalytic Activity of Ultrafine SrNb ₆ O ₁₆ Nanoparticles Supported on Graphene Oxide Nanosheets. <i>Science of Advanced Materials</i> , 2015, 7, 1331-1340.	0.1	2
54	Glutathione modified ultrathin SnS ₂ nanosheets with highly photocatalytic activity for wastewater treatment. <i>Materials Research Express</i> , 2014, 1, 025018.	0.8	22

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55	Self-Assembly of TiO ₂ /CdS Mesoporous Microspheres with Enhanced Photocatalytic Activity via Hydrothermal Method. International Journal of Photoenergy, 2014, 2014, 1-10.	1.4	9
56	Ultrathin SnS ₂ nanosheets with exposed {001} facets and enhanced photocatalytic properties. Acta Materialia, 2014, 66, 163-171.	3.8	104
57	Carbon Dioxide Reforming of Methane over Nickel Catalyst Supported on MgO(111) Nanosheets. Topics in Catalysis, 2014, 57, 619-626.	1.3	23
58	Synthesis and luminescence properties of hexagonal CaTiO ₃ :Eu ³⁺ nanosheets. Journal of Luminescence, 2014, 145, 144-147.	1.5	8
59	Size-tunable fabrication of multifunctional Bi ₂ O ₃ porous nanospheres for photocatalysis, bacteria inactivation and template-synthesis. Nanoscale, 2014, 6, 5402.	2.8	115
60	Urea-assisted synthesis of AlPO ₄ :Ce,Tb nanorods as a redox luminescence switch. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	4
61	Nitrogen-doped graphene/CdS hollow spheres nanocomposite with enhanced photocatalytic performance. Chinese Journal of Catalysis, 2013, 34, 2138-2145.	6.9	48
62	Novel Bi ₂ O ₃ /NaBi(MoO ₄) ₂ heterojunction with enhanced photocatalytic activity under visible light irradiation. Journal of Alloys and Compounds, 2013, 580, 475-480.	2.8	40
63	Self-assembled single-crystalline ZnO nanostructures. CrystEngComm, 2013, 15, 3780.	1.3	9
64	Er ³⁺ -Bi ₂ O ₃ and Er ³⁺ doped Bi ₂ O ₃ single crystalline nanosheets with exposed reactive {001} facets and enhanced photocatalytic performance. Applied Catalysis B: Environmental, 2013, 140-141, 141-150.	10.8	77
65	Synthesis of Zn _x Cd _{1-x} S Solid Solution Porous Spheres as Efficient Visible-Light Driven Photocatalysts. Science of Advanced Materials, 2013, 5, 1157-1167.	0.1	5
66	CdS Hollow Spheres Supported on Graphene Oxide Sheets with Enhanced Photocatalytic Activity. Science of Advanced Materials, 2013, 5, 1649-1657.	0.1	6
67	INFLUENCE OF K ⁺ AND Na ⁺ IONS ON DIRECT ELECTROSYNTHESIS OF SOLID K ₂ FEO ₄ AND COMPARISON OF THE PHYSICO-CHEMICAL PROPERTIES OF K ₂ FEO ₄ SAMPLES. Chemical Engineering Communications, 2012, 199, 178-188.	1.5	0
68	Controlled strategy to synthesize SnO ₂ decorated SnS ₂ nanosheets with enhanced visible light photocatalytic activity. CrystEngComm, 2012, 14, 5627.	1.3	65
69	β-Carotene doped silicananoparticles as a novel resonance Raman scattering tag for in vivo cellular imaging. Journal of Materials Chemistry, 2012, 22, 631-635.	6.7	2
70	General strategy for one-pot synthesis of metal sulfide hollow spheres with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2012, 125, 180-188.	10.8	80
71	Controlled Synthesis of Nanoscale Icosahedral Gold Particles at Room Temperature. ChemCatChem, 2012, 4, 1662-1667.	1.8	15
72	One-pot synthesis and electrochemical reactivity of carbon coated LiFePO ₄ spindles. Applied Surface Science, 2012, 263, 277-283.	3.1	19

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73	Nanoscale gold intercalated into mesoporous silica as a highly active and robust catalyst. <i>Nanotechnology</i> , 2012, 23, 294010.	1.3	16
74	One-Pot Synthesis of CdS and Ni-Doped CdS Hollow Spheres with Enhanced Photocatalytic Activity and Durability. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1813-1821.	4.0	263
75	Bubble template synthesis of copper sulfide hollow spheres and their applications in lithium ion battery. <i>Materials Letters</i> , 2012, 68, 28-31.	1.3	73
76	Template-free synthesis of hollow core-shell MoO ₂ microspheres with high lithium-ion storage capacity. <i>Materials Letters</i> , 2012, 68, 82-85.	1.3	33
77	Cysteine modified anatase TiO ₂ hollow microspheres with enhanced visible-light-driven photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2012, 356, 78-84.	4.8	74
78	Controllable Morphology and Photocatalytic Performance of Bismuth Silicate Nanobelts/Nanosheets. <i>RSC Advances</i> , 2011, 1, 1072.	1.7	21
79	Gold Nanoparticles Intercalated into the Walls of Mesoporous Silica as a Versatile Redox Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13642-13649.	1.8	49
80	Self-assembly of layered wurtzite ZnS nanorods/nanowires as highly efficient photocatalysts. <i>Journal of Materials Chemistry</i> , 2011, 21, 16621.	6.7	34
81	Experimental and DFT studies of gold nanoparticles supported on MgO(111) nano-sheets and their catalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2582.	1.3	41
82	Synthesis and photoactivity of the highly efficient Ag species/TiO ₂ nanoflakes photocatalysts. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5152-5158.	2.8	21
83	Er ³⁺ doped bismuth molybdate nanosheets with exposed {010} facets and enhanced photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2011, 110, 221-230.	10.8	119
84	Gram-scale wet chemical synthesis of wurtzite-8H nanoporous ZnS spheres with high photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 212-219.	10.8	45
85	Study on the resonance Raman scattering properties of β -carotene incorporated into SBA-15. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 518-521.	2.0	3
86	Triplex Au@Ag@C Core-Shell Nanoparticles as a Novel Raman Label. <i>Advanced Functional Materials</i> , 2010, 20, 969-975.	7.8	87
87	Effect of La ₂ O ₃ -dopping on the Al ₂ O ₃ supported cobalt catalyst for Fischer-Tropsch synthesis. <i>Journal of Molecular Catalysis A</i> , 2010, 330, 10-17.	4.8	54
88	TiO ₂ Nanoflakes Modified with Gold Nanoparticles as Photocatalysts with High Activity and Durability under near UV Irradiation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1641-1645.	1.5	98
89	Adsorption Properties of MgO(111) Nanoplates for the Dye Pollutants from Wastewater. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3742-3748.	1.0	147
90	Solubilities of Diglycolic Acid Esters at Temperatures Ranging from (343 to 363) K in Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 694-697.	1.0	13

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91	Synthesis and surface activity of single-crystalline Co ₃ O ₄ (111) holey nanosheets. <i>Nanoscale</i> , 2010, 2, 1657.	2.8	51
92	Mass Production and Photocatalytic Activity of Highly Crystalline Metastable Single-Phase Bi ₂₀ Ti ₃₂ Nanosheets. <i>Environmental Science & Technology</i> , 2010, 44, 8698-8703.	4.6	55
93	NiO(111) nanosheets as efficient and recyclable adsorbents for dye pollutant removal from wastewater. <i>Nanotechnology</i> , 2009, 20, 275707.	1.3	119
94	Heterogeneous Wheel-Shaped Cu ₂₀ -Polyoxotungstate [Cu ₂₀ Cl(OH) ₂₄ (H ₂ O) ₁₂ (P ₈ W ₄₈ O ₁₈₄)] ₃₉ Catalyst for Solvent-Free Aerobic Oxidation of <i>n</i> -Hexadecane. <i>Chemistry - A European Journal</i> , 2009, 15, 7490-7497.	1.7	39
95	Potassium ferrate(VI) and decomposed K ₂ FeO ₄ assisted methanol electro-oxidation in alkaline media. <i>Electrochimica Acta</i> , 2009, 54, 3548-3552.	2.6	13
96	Extraction of metal ions with non-fluorous bipyridine derivatives as chelating ligands in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2009, 51, 181-187.	1.6	26
97	Three-Dimensional Morphology Control during Wet Chemical Synthesis of Porous Chromium Oxide Spheres. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1931-1937.	4.0	30
98	Intercalation of Aggregation-Free and Well-Dispersed Gold Nanoparticles into the Walls of Mesoporous Silica as a Robust "Green" Catalyst for <i>n</i> -Alkane Oxidation. <i>Journal of the American Chemical Society</i> , 2009, 131, 914-915.	6.6	119
99	Catalytic Properties of Nanoscale Iron-Doped Zirconia Solid-Solution Aerogels. <i>ChemPhysChem</i> , 2008, 9, 1069-1078.	1.0	39
100	Preparation and Surface Activity of Single-Crystalline NiO(111) Nanosheets with Hexagonal Holes: A Semiconductor Nanospanner. <i>Advanced Materials</i> , 2008, 20, 267-271.	11.1	90
101	Sunflower and rapeseed oil transesterification to biodiesel over different nanocrystalline MgO catalysts. <i>Green Chemistry</i> , 2008, 10, 373-381.	4.6	238
102	MgO(111) Nanosheets with Unusual Surface Activity. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12038-12044.	1.5	133
103	Plasma-assisted catalysis total oxidation of trichloroethylene over gold nano-particles embedded in SBA-15 catalysts. <i>Applied Catalysis B: Environmental</i> , 2007, 76, 275-281.	10.8	70
104	Aerobic oxidation of alcohols catalyzed by gold nano-particles confined in the walls of mesoporous silica. <i>Catalysis Today</i> , 2007, 122, 277-283.	2.2	86
105	Synthesis and characterization of tungsten-substituted SBA-15: An enhanced catalyst for 1-butene metathesis. <i>Microporous and Mesoporous Materials</i> , 2006, 93, 158-163.	2.2	82
106	Highly efficient tungsten-substituted mesoporous SBA-15 catalysts for 1-butene metathesis. <i>Materials Letters</i> , 2006, 60, 3059-3062.	1.3	14
107	Efficient Preparation and Catalytic Activity of MgO(111) Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7277-7281.	7.2	149
108	Aerobic oxidation of cyclohexane by gold nanoparticles immobilized upon mesoporous silica. <i>Catalysis Letters</i> , 2005, 100, 195-199.	1.4	87

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109	Mesoporous bimetallic PdCl ₂ -CuCl ₂ catalysts for dimethyl carbonate synthesis by vapor phase oxidative carbonylation of methanol. <i>Applied Catalysis A: General</i> , 2003, 241, 363-373.	2.2	40
110	A novel homogeneous catalyst made of poly(N-vinyl-2-pyrrolidone)-CuCl ₂ complex for the oxidative carbonylation of methanol to dimethyl carbonate. <i>Journal of Molecular Catalysis A</i> , 2002, 185, 1-9.	4.8	34
111	Title is missing!. <i>Catalysis Letters</i> , 2002, 81, 107-112.	1.4	45
112	A Simple Alcohothermal Synthetic Route to High Surface Area Zirconia Aerogel. <i>Chemistry Letters</i> , 2001, 30, 398-399.	0.7	12