## Juncheng Hu

List of Publications by Year in descending order

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61984 91884 5,295 112 43 69 citations h-index g-index papers 117 117 117 6989 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Hollow CdS nanotubes with ZIF-8 as co-catalyst for enhanced photocatalytic activity. Journal of Colloid and Interface Science, 2022, 606, 1882-1889.	9.4	22
2	Construction of amorphous SiO2 modified $\hat{l}^2$ -Bi2O3 porous hierarchical microspheres for photocatalytic antibiotics degradation. Journal of Colloid and Interface Science, 2022, 607, 1717-1729.	9.4	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. Chemical Engineering Journal, 2022, 433, 133539.	12.7	16
4	Pb2+ Responsive Cu-In-Zn-S Quantum Dots With Low Cytotoxicity. Frontiers in Chemistry, 2022, 10, 821392.	3.6	3
5	A distinct hollow spindle-like CdIn2S4 photocatalyst for high-efficiency tetracycline removal. Materials Today Chemistry, 2022, 24, 100800.	3.5	6
6	Construction of NH2-MIL-125(Ti)/CdS Z-scheme heterojunction for efficient photocatalytic H2 evolution. Journal of Hazardous Materials, 2021, 405, 124128.	12.4	78
7	Enhancing potassium-ion battery performance by MoS2 coated nitrogen-doped hollow carbon matrix. Journal of Alloys and Compounds, 2021, 855, 157505.	5.5	21
8	Surface Reconstruction-Associated Partially Amorphized Bismuth Oxychloride for Boosted Photocatalytic Water Oxidation. ACS Applied Materials & Samp; Interfaces, 2021, 13, 5088-5098.	8.0	18
9	Zn <sub>0.8</sub> Cd <sub>0.2</sub> S Hollow Spheres with a Highly Dispersed Ni Dopant for Boosting Photocatalytic Hydrogen Generation. ACS Omega, 2021, 6, 13544-13553.	3.5	14
10	AgBr Nanoparticles Anchored on CdS Nanorods as Photocatalysts for H <sub>2</sub> Evolution. ACS Applied Nano Materials, 2021, 4, 9274-9282.	5.0	13
11	Rational design of MoSe2 nanosheet-coated MOF-derived N-doped porous carbon polyhedron for potassium storage. Journal of Colloid and Interface Science, 2021, 600, 430-439.	9.4	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. Journal of Colloid and Interface Science, 2021, 601, 60-69.	9.4	21
13	Strike a balance between adsorption and catalysis capabilities in Bi2Se3â^'xOx composites for high-efficiency antibiotics remediation. Chemical Engineering Journal, 2020, 382, 122877.	12.7	21
14	Boosting potassium storage in nanosheet assembled MoSe2 hollow sphere through surface decoration of MoO2 nanoparticles. Applied Surface Science, 2020, 505, 144573.	6.1	19
15	Efficient Toluene Adsorption on Metal Salt-Activated Porous Carbons Derived from Low-Cost Biomass: A Discussion of Mechanism. ACS Omega, 2020, 5, 13196-13206.	3.5	10
16	Excellent photoreduction performance of Cr( <scp>vi</scp> ) over (WO <sub>4</sub> ) <sup>2â^'</sup> -doped metal organic framework materials. New Journal of Chemistry, 2020, 44, 20704-20714.	2.8	10
17	Efficient Solvent-Free Synthesis of Cyclic Carbonates from the Cycloaddition of Carbon Dioxide and Epoxides Catalyzed by New Imidazolinium Functionalized Metal Complexes Under 0.1ÂMPa. Catalysis Letters, 2020, 150, 2537-2548.	2.6	12
18	Emerging charge transfer in self-coupled polymorphs for promoting charge-carrier-involved photocatalysis. Chemical Engineering Journal, 2020, 396, 125213.	12.7	6

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19	Morphology-preserved transformation of CdS hollow structures toward photocatalytic H <sub>2</sub> evolution. CrystEngComm, 2020, 22, 1057-1062.	2.6	15
20	Facile one-step synthesis of quaternary AgInZnS quantum dots and their applications for causing bioeffects and detecting Cu2+. RSC Advances, 2020, 10, 9172-9181.	3.6	11
21	Application and Properties of Microporous Carbons Activated by ZnCl <sub>2</sub> : Adsorption Behavior and Activation Mechanism. ACS Omega, 2020, 5, 9398-9407.	3.5	46
22	Hierarchical Ni–Co–O–C–P hollow tetragonal microtubes grown on Ni foam for efficient overall water splitting in alkaline media. RSC Advances, 2019, 9, 26051-26060.	3.6	3
23	$\hat{l}^2$ -Cyclodextrin/Quaternary Ammonium Salt as an Efficient Catalyst System for Chemical Fixation of CO $<$ sub $>$ 2 $<$ /sub $>$ 1. Journal of Nanoscience and Nanotechnology, 2019, 19, 3263-3268.	0.9	13
24	Crucial Effect of Halogen on the Photocatalytic Hydrogen Evolution for Bi <sub>19</sub> X <sub>3</sub> S <sub>27</sub> (X = Cl, Br) Nanomaterials. Industrial & Engineering Chemistry Research, 2019, 58, 22958-22966.	3.7	15
25	Construction of CdS/CoOx core-shell nanorods for efficient photocatalytic H2 evolution. Applied Catalysis B: Environmental, 2018, 234, 109-116.	20.2	117
26	In-situ topotactic synthesis and photocatalytic activity of plate-like BiOCI/2D networks Bi2S3 heterostructures. Applied Catalysis B: Environmental, 2018, 220, 570-580.	20.2	185
27	Biomimetic structure design and construction of cactus-like MoS <sub>2</sub> /Bi <sub>19</sub> Cl <sub>3</sub> S <sub>27</sub> photocatalysts for efficient hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 21404-21409.	10.3	21
28	Multiple halide anion doped layered bismuth terephthalate with excellent photocatalysis for pollutant removal. RSC Advances, 2018, 8, 38370-38375.	3.6	5
29	Engineering Amorphous Carbon onto Ultrathin gâ€C <sub>3</sub> N <sub>4</sub> to Suppress Intersystem Crossing for Efficient Photocatalytic H <sub>2</sub> Evolution. Advanced Materials Interfaces, 2018, 5, 1800859.	3.7	18
30	Construction of Hierarchical MoSe <sub>2</sub> Hollow Structures and Its Effect on Electrochemical Energy Storage and Conversion. ACS Applied Materials & Samp; Interfaces, 2018, 10, 25483-25492.	8.0	53
31	Generalized Synthesis of Ternary Sulfide Hollow Structures with Enhanced Photocatalytic Performance for Degradation and Hydrogen Evolution. ACS Applied Materials & Diterfaces, 2018, 10, 17911-17922.	8.0	55
32	Engineering amorphous red phosphorus onto ZnIn2S4 hollow microspheres with enhanced photocatalytic activity. Materials Letters, 2018, 232, 78-81.	2.6	13
33	Facile solvent-thermal synthesis of ultrathin MoSe2 nanosheets for hydrogen evolution and organic dyes adsorption. Applied Surface Science, 2017, 402, 277-285.	6.1	62
34	Bismuth terephthalate induced Bi(0) for enhanced RhB photodegradation and 4-nitrophenol reduction. Journal of Physics and Chemistry of Solids, 2017, 111, 431-438.	4.0	7
35	Surfactant-mediated synthesis of single-crystalline Bi <sub>3</sub> O <sub>4</sub> Br nanorings with enhanced photocatalytic activity. Journal of Materials Chemistry A, 2017, 5, 15706-15713.	10.3	59
36	Synthesis and characterization of single-crystalline Bi <sub>19</sub> Cl <sub>3</sub> S <sub>27</sub> nanorods. Catalysis Science and Technology, 2017, 7, 3464-3468.	4.1	20

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37	Bi metal-modified Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> hierarchical microspheres with oxygen vacancies for improved photocatalytic performance and mechanism insights. Catalysis Science and Technology, 2017, 7, 3580-3590.	4.1	68
38	Synthesis and characterization of single-crystalline Bi <sub>2</sub> O <sub>2</sub> SiO <sub>3</sub> nanosheets with exposed {001} facets. Catalysis Science and Technology, 2017, 7, 3791-3801.	4.1	44
39	Co <sub>3</sub> O <sub>4</sub> Nanosheets with In-Plane Pores and Highly Active {112} Exposed Facets for High Performance Lithium Storage. Journal of Physical Chemistry C, 2017, 121, 19002-19009.	3.1	30
40	Synthesis of quantum-sized BiOCl supported on SBA-16 with high dispersity and enhanced photocatalytic activity. Materials Letters, 2017, 205, 236-239.	2.6	4
41	Composition-dependent dual halide anion-doped bismuth terephthalate hybrids for enhanced pollutants removal. Microporous and Mesoporous Materials, 2017, 244, 284-290.	4.4	13
42	Synthesis of halide anionâ€doped bismuth terephthalate hybrids for organic pollutant removal. Applied Organometallic Chemistry, 2016, 30, 304-310.	3.5	13
43	Synthesis and characterization of visible light responsive Bi3NbO7 porous nanosheets photocatalyst. Applied Catalysis B: Environmental, 2016, 196, 127-134.	20.2	43
44	Synthesis and visible light responsed photocatalytic activity of Sn doped Bi <sub>2</sub> S <sub>3</sub> microspheres assembled by nanosheets. RSC Advances, 2016, 6, 39810-39817.	3.6	46
45	Synthesis of CdS hollow spheres coupled with g-C <sub>3</sub> N <sub>4</sub> as efficient visible-light-driven photocatalysts. Nanotechnology, 2016, 27, 355402.	2.6	29
46	Synthesis and photocatalytic activity of porous bismuth oxychloride hexagonal prisms. Chemical Communications, 2016, 52, 994-997.	4.1	40
47	Synthesis and photocatalytic activity of BiOBr nanosheets with tunable exposed $\{0\ 1\ 0\}$ facets. Applied Catalysis B: Environmental, 2016, 188, 283-291.	20.2	164
48	Controllable synthesis of highly active BiOCl hierarchical microsphere self-assembled by nanosheets with tunable thickness. Applied Catalysis B: Environmental, 2015, 172-173, 91-99.	20.2	57
49	Hydrothermal synthesis of Mn-doped CdS hollow sphere nanocomposites as efficient visible-light driven photocatalysts. RSC Advances, 2015, 5, 15110-15117.	3.6	18
50	Synthesis and characterization of Ni doped SnO <sub>2</sub> microspheres with enhanced visible-light photocatalytic activity. RSC Advances, 2015, 5, 56401-56409.	3.6	64
51	Er3+ doped bismuth oxychloride hierarchical microspheres with enhanced photocatalytic properties. Materials Letters, 2015, 158, 229-232.	2.6	10
52	Controllable synthesis and morphology-dependent photocatalytic performance of anatase TiO <sub>2</sub> nanoplates. RSC Advances, 2015, 5, 513-520.	3.6	31
53	Synthesis and Photocatalytic Activity of Ultrafine SrNb6O16 Nanoparticles Supported on Graphene Oxide Nanosheets. Science of Advanced Materials, 2015, 7, 1331-1340.	0.7	2
54	Glutatione modified ultrathin SnS <sub>2</sub> nanosheets with highly photocatalytic activity for wastewater treatment. Materials Research Express, 2014, 1, 025018.	1.6	22

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55	Self-Assembly of TiO <sub>2</sub> /CdS Mesoporous Microspheres with Enhanced Photocatalytic Activity via Hydrothermal Method. International Journal of Photoenergy, 2014, 2014, 1-10.	2.5	9
56	Ultrathin SnS2 nanosheets with exposed $\{001\}$ facets and enhanced photocatalytic properties. Acta Materialia, 2014, 66, 163-171.	7.9	104
57	Carbon Dioxide Reforming of Methane over Nickel Catalyst Supported on MgO(111) Nanosheets. Topics in Catalysis, 2014, 57, 619-626.	2.8	23
58	Synthesis and luminescence properties of hexagonal CaTiO3:Eu3+ nanosheets. Journal of Luminescence, 2014, 145, 144-147.	3.1	8
59	Size-tunable fabrication of multifunctional Bi2O3 porous nanospheres for photocatalysis, bacteria inactivation and template-synthesis. Nanoscale, 2014, 6, 5402.	5.6	115
60	Urea-assisted synthesis of AlPO4:Ce,Tb nanorods as a redox luminescence switch. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	4
61	Nitrogen-doped graphene/CdS hollow spheres nanocomposite with enhanced photocatalytic performance. Chinese Journal of Catalysis, 2013, 34, 2138-2145.	14.0	48
62	Novel Bi2O3/NaBi(MoO4)2 heterojunction with enhanced photocatalytic activity under visible light irradiation. Journal of Alloys and Compounds, 2013, 580, 475-480.	5.5	40
63	Self-assembled single-crystalline ZnO nanostructures. CrystEngComm, 2013, 15, 3780.	2.6	9
64	$\hat{l}^2$ -Bi2O3 and Er3+ doped $\hat{l}^2$ -Bi2O3 single crystalline nanosheets with exposed reactive {001} facets and enhanced photocatalytic performance. Applied Catalysis B: Environmental, 2013, 140-141, 141-150.	20.2	77
65	Synthesis of Zn <i><sub>x</sub></i> Cd <sub>1–<i>x</i></sub> <i>Solid Solution Porous Spheres as Efficient Visible-Light Driven Photocatalysts. Science of Advanced Materials, 2013, 5, 1157-1167.</i>	0.7	5
66	CdS Hollow Spheres Supported on Graphene Oxide Sheets with Enhanced Photocatalytic Activity. Science of Advanced Materials, 2013, 5, 1649-1657.	0.7	6
67	INFLUENCE OF K <sup>+</sup> AND NA <sup>+</sup> IONS ON DIRECT ELECTROSYNTHESIS OF SOLID K <sub>2</sub> FEO <sub>4</sub> AND COMPARISON OF THE PHYSICOCHEMICAL PROPERTIES OF K <sub>2</sub> FEO <sub>4</sub> SAMPLES. Chemical Engineering Communications, 2012, 199, 178-188.	2.6	0
68	Controlled strategy to synthesize SnO2 decorated SnS2 nanosheets with enhanced visible light photocatalytic activity. CrystEngComm, 2012, 14, 5627.	2.6	65
69	$\hat{l}^2$ -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.	20.2	80
71	Controlled Synthesis of Nanoscale Icosahedral Gold Particles at Room Temperature. ChemCatChem, 2012, 4, 1662-1667.	3.7	15
72	One-pot synthesis and electrochemical reactivity of carbon coated LiFePO4 spindles. Applied Surface Science, 2012, 263, 277-283.	6.1	19

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73	Nanoscale gold intercalated into mesoporous silica as a highly active and robust catalyst. Nanotechnology, 2012, 23, 294010.	2.6	16
74	One-Pot Synthesis of CdS and Ni-Doped CdS Hollow Spheres with Enhanced Photocatalytic Activity and Durability. ACS Applied Materials & Samp; Interfaces, 2012, 4, 1813-1821.	8.0	263
75	Bubble template synthesis of copper sulfide hollow spheres and their applications in lithium ion battery. Materials Letters, 2012, 68, 28-31.	2.6	73
76	Template-free synthesis of hollow core–shell MoO2 microspheres with high lithium-ion storage capacity. Materials Letters, 2012, 68, 82-85.	2.6	33
77	Cysteine modified anatase TiO2 hollow microspheres with enhanced visible-light-driven photocatalytic activity. Journal of Molecular Catalysis A, 2012, 356, 78-84.	4.8	74
78	Controllable Morphology and Photocatalytic Performance of Bismuth Silicate Nanobelts/Nanosheets. RSC Advances, 2011, 1, 1072.	3.6	21
79	Gold Nanoparticles Intercalated into the Walls of Mesoporous Silica as a Versatile Redox Catalyst. Industrial & Description of the Property Research, 2011, 50, 13642-13649.	3.7	49
80	Self-assembly of layered wurtzite ZnS nanorods/nanowires as highly efficient photocatalysts. Journal of Materials Chemistry, 2011, 21, 16621.	6.7	34
81	Experimental and DFT studies of gold nanoparticles supported on MgO(111) nano-sheets and their catalytic activity. Physical Chemistry Chemical Physics, 2011, 13, 2582.	2.8	41
82	Synthesis and photoactivity of the highly efficient Ag species/TiO2 nanoflakes photocatalysts. Journal of Alloys and Compounds, 2011, 509, 5152-5158.	5.5	21
83	Er3+ doped bismuth molybdate nanosheets with exposed {010} facets and enhanced photocatalytic performance. Applied Catalysis B: Environmental, 2011, 110, 221-230.	20.2	119
84	Gram-scale wet chemical synthesis of wurtzite-8H nanoporous ZnS spheres with high photocatalytic activity. Applied Catalysis B: Environmental, 2011, 106, 212-219.	20.2	45
85	Study on the resonance Raman scattering properties of $\hat{I}^2$ -carotene incorporated into SBA-15. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 518-521.	3.9	3
86	Triplex Au–Ag–C Core–Shell Nanoparticles as a Novel Raman Label. Advanced Functional Materials, 2010, 20, 969-975.	14.9	87
87	Effect of La2O3-dopping on the Al2O3 supported cobalt catalyst for Fischer-Tropsch synthesis. Journal of Molecular Catalysis A, 2010, 330, 10-17.	4.8	54
88	TiO <sub>2</sub> Nanoflakes Modified with Gold Nanoparticles as Photocatalysts with High Activity and Durability under near UV Irradiation. Journal of Physical Chemistry C, 2010, 114, 1641-1645.	3.1	98
89	Adsorption Properties of MgO( $111$ ) Nanoplates for the Dye Pollutants from Wastewater. Journal of Chemical & Engineering Data, 2010, 55, 3742-3748.	1.9	147
90	Solubilities of Diglycolic Acid Esters at Temperatures Ranging from (343 to 363) K in Supercritical Carbon Dioxide. Journal of Chemical & Engineering Data, 2010, 55, 694-697.	1.9	13

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91	Synthesis and surface activity of single-crystalline Co3O4 (111) holey nanosheets. Nanoscale, 2010, 2, 1657.	5.6	51
92	Mass Production and Photocatalytic Activity of Highly Crystalline Metastable Single-Phase Bi <sub>20</sub> TiO <sub>32</sub> Nanosheets. Environmental Science & Environmental Sc	10.0	55
93	NiO(111) nanosheets as efficient and recyclable adsorbents for dye pollutant removal from wastewater. Nanotechnology, 2009, 20, 275707.	2.6	119
94	Heterogeneous Wheelâ€Shaped Cu <sub>20</sub> â€Polyoxotungstate [Cu <sub>20</sub> Cl(OH) <sub>24</sub> (H <sub>2</sub> O) <sub>12</sub> (P <sub>8</sub> W <sub>48</sub> Catalyst for Solventâ€Free Aerobic Oxidation of <i>n</i> 2009, 15, 7490-7497.	O <syb>18</syb>	34 <i>{ ş</i> ub>)] <s< td=""></s<>
95	Potassium ferrate(VI) and decomposed K2FeO4 assisted methanol electro-oxidation in alkaline media. Electrochimica Acta, 2009, 54, 3548-3552.	5.2	13
96	Extraction of metal ions with non-fluorous bipyridine derivatives as chelating ligands in supercritical carbon dioxide. Journal of Supercritical Fluids, 2009, 51, 181-187.	3.2	26
97	Three-Dimensional Morphology Control during Wet Chemical Synthesis of Porous Chromium Oxide Spheres. ACS Applied Materials & Samp; Interfaces, 2009, 1, 1931-1937.	8.0	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. Journal of the American Chemical Society, 2009, 131, 914-915.	13.7	119
99	Catalytic Properties of Nanoscale Ironâ€Doped Zirconia Solidâ€Solution Aerogels. ChemPhysChem, 2008, 9, 1069-1078.	2.1	39
100	Preparation and Surface Activity of Singleâ€Crystalline NiO(111) Nanosheets with Hexagonal Holes: A Semiconductor Nanospanner. Advanced Materials, 2008, 20, 267-271.	21.0	90
101	Sunflower and rapeseed oil transesterification to biodiesel over different nanocrystalline MgO catalysts. Green Chemistry, 2008, 10, 373-381.	9.0	238
102	MgO(111) Nanosheets with Unusual Surface Activity. Journal of Physical Chemistry C, 2007, 111, 12038-12044.	3.1	133
103	Plasma-assisted catalysis total oxidation of trichloroethylene over gold nano-particles embedded in SBA-15 catalysts. Applied Catalysis B: Environmental, 2007, 76, 275-281.	20.2	70
104	Aerobic oxidation of alcohols catalyzed by gold nano-particles confined in the walls of mesoporous silica. Catalysis Today, 2007, 122, 277-283.	4.4	86
105	Synthesis and characterization of tungsten-substituted SBA-15: An enhanced catalyst for 1-butene metathesis. Microporous and Mesoporous Materials, 2006, 93, 158-163.	4.4	82
106	Highly efficient tungsten-substituted mesoporous SBA-15 catalysts for 1-butene metathesis. Materials Letters, 2006, 60, 3059-3062.	2.6	14
107	Efficient Preparation and Catalytic Activity of MgO( $111$ ) Nanosheets. Angewandte Chemie - International Edition, 2006, 45, 7277-7281.	13.8	149
108	Aerobic oxidation of cyclohexane by gold nanoparticles immobilized upon mesoporous silica. Catalysis Letters, 2005, 100, 195-199.	2.6	87

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109	Mesoporous bimetallic PdCl2-CuCl2 catalysts for dimethyl carbonate synthesis by vapor phase oxidative carbonylation of methanol. Applied Catalysis A: General, 2003, 241, 363-373.	4.3	40
110	A novel homogeneous catalyst made of poly(N-vinyl-2-pyrrolidone)-CuCl2 complex for the oxidative carbonylation of methanol to dimethyl carbonate. Journal of Molecular Catalysis A, 2002, 185, 1-9.	4.8	34
111	Title is missing!. Catalysis Letters, 2002, 81, 107-112.	2.6	45
112	A Simple Alcohothermal Synthetic Route to High Surface Area Zirconia Aerogel. Chemistry Letters, 2001, 30, 398-399.	1.3	12