

Jun Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3127139/publications.pdf>

Version: 2024-02-01

58
papers

10,606
citations

93792

39
h-index

156644

58
g-index

59
all docs

59
docs citations

59
times ranked

12427
citing authors

#	ARTICLE	IF	CITATIONS
1	Earth-abundant cocatalysts for semiconductor-based photocatalytic water splitting. <i>Chemical Society Reviews</i> , 2014, 43, 7787-7812.	18.7	2,125
2	Visible Light Photocatalytic H ₂ -Production Activity of CuS/ZnS Porous Nanosheets Based on Photoinduced Interfacial Charge Transfer. <i>Nano Letters</i> , 2011, 11, 4774-4779.	4.5	846
3	Noble Metal-Free Reduced Graphene Oxide-Zn _x /Cd _{1-x} S Nanocomposite with Enhanced Solar Photocatalytic H ₂ -Production Performance. <i>Nano Letters</i> , 2012, 12, 4584-4589.	4.5	845
4	Efficient Visible-Light Photocatalytic Hydrogen Evolution and Enhanced Photostability of Core/Shell CdS/g-C ₃ N ₄ Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10317-10324.	4.0	747
5	Self-Assembled 3-D Architectures of BiOBr as a Visible Light-Driven Photocatalyst. <i>Chemistry of Materials</i> , 2008, 20, 2937-2941.	3.2	411
6	Novel urea assisted hydrothermal synthesis of hierarchical BiVO ₄ /Bi ₂ O ₂ CO ₃ nanocomposites with enhanced visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2011, 110, 286-295.	10.8	392
7	Enhanced photocatalytic H ₂ -production activity of anatase TiO ₂ nanosheet by selectively depositing dual-cocatalysts on {101} and {001} facets. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 286-294.	10.8	375
8	Enhanced visible light photocatalytic H ₂ -production of g-C ₃ N ₄ /WS ₂ composite heterostructures. <i>Applied Surface Science</i> , 2015, 358, 196-203.	3.1	327
9	Fabrication of NiS modified CdS nanorod p-n junction photocatalysts with enhanced visible-light photocatalytic H ₂ -production activity. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12088.	1.3	323
10	Preparation and enhanced visible-light photocatalytic H ₂ -production activity of CdS quantum dots-sensitized Zn _{1-x} Cd _x S solid solution. <i>Green Chemistry</i> , 2010, 12, 1611.	4.6	321
11	Ion-Exchange Synthesis and Enhanced Visible-Light Photoactivity of CuS/ZnS Nanocomposite Hollow Spheres. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13642-13649.	1.5	274
12	Ternary NiS/Zn _x /Cd _{1-x} S/Reduced Graphene Oxide Nanocomposites for Enhanced Solar Photocatalytic H ₂ -Production Activity. <i>Advanced Energy Materials</i> , 2014, 4, 1301925.	10.2	244
13	Enhanced Photocatalytic Hydrogen Production Activities of Au-Loaded ZnS Flowers. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1031-1037.	4.0	221
14	Enhanced photocatalytic H ₂ production on CdS nanorod using cobalt-phosphate as oxidation cocatalyst. <i>Applied Surface Science</i> , 2016, 389, 775-782.	3.1	212
15	Cubic anatase TiO ₂ nanocrystals with enhanced photocatalytic CO ₂ reduction activity. <i>Chemical Communications</i> , 2015, 51, 7950-7953.	2.2	209
16	A simple template-free approach to TiO ₂ hollow spheres with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2010, 39, 5860.	1.6	208
17	A simple cation exchange approach to Bi-doped ZnS hollow spheres with enhanced UV and visible-light photocatalytic H ₂ -production activity. <i>Journal of Materials Chemistry</i> , 2011, 21, 14655.	6.7	203
18	Z-scheme 2D/3D g-C ₃ N ₄ @ZnO with enhanced photocatalytic activity for cephalixin oxidation under solar light. <i>Chemical Engineering Journal</i> , 2018, 352, 412-422.	6.6	192

#	ARTICLE	IF	CITATIONS
19	Synthesis of nano titania particles embedded in mesoporous SBA-15: Characterization and photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2006, 137, 952-958.	6.5	179
20	Double-Shelled CdS- and CdSe-Cosensitized ZnO Porous Nanotube Arrays for Superior Photoelectrocatalytic Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16387-16394.	4.0	169
21	Enhanced Visible-Light Photocatalytic H ₂ Production by Zn _{1-x} Cd _x S Modified with Earth-Abundant Nickel-Based Cocatalysts. <i>ChemSusChem</i> , 2014, 7, 3426-3434.	3.6	164
22	Photocatalytic degradation of organic dyes with hierarchical Bi ₂ O ₃ /CO ₂ microstructures under visible-light. <i>CrystEngComm</i> , 2013, 15, 231-240.	1.3	117
23	Enhanced visible light photocatalytic hydrogen production activity of CuS/ZnS nanoflower spheres. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13913-13919.	5.2	108
24	Enhanced photocatalytic CO ₂ reduction activity of MOF-derived ZnO/NiO porous hollow spheres. <i>Journal of CO₂ Utilization</i> , 2018, 24, 548-554.	3.3	106
25	Hot-electron-assisted S-scheme heterojunction of tungsten oxide/graphitic carbon nitride for broad-spectrum photocatalytic H ₂ generation. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1478-1487.	6.9	99
26	Enhanced Photocatalytic Activity of Powders (P25) via Calcination Treatment. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-9.	1.4	96
27	Ultrathin Co(Ni)-doped MoS ₂ nanosheets as catalytic promoters enabling efficient solar hydrogen production. <i>Nano Research</i> , 2016, 9, 2284-2293.	5.8	80
28	Crystalline phase-dependent photocatalytic water splitting for hydrogen generation on KNbO ₃ submicro-crystals. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 3554-3561.	3.8	75
29	Enhanced photocatalytic activity and stability of semiconductor by Ag doping and simultaneous deposition: the case of CdS. <i>RSC Advances</i> , 2013, 3, 20782.	1.7	73
30	Enhanced Visible-Light Hydrogen Production Activity of Copper-Modified Zn _{1-x} Cd _x S. <i>ChemSusChem</i> , 2013, 6, 2009-2015.	3.6	66
31	Influence of lattice integrity and phase composition on the photocatalytic hydrogen production efficiency of ZnS nanomaterials. <i>Nanoscale</i> , 2012, 4, 2859.	2.8	65
32	Long-term production of H ₂ over Pt/CdS nanoplates under sunlight illumination. <i>Chemical Engineering Journal</i> , 2016, 283, 351-357.	6.6	58
33	A study of constructing heterojunction between two-dimensional transition metal sulfides (MoS ₂) Tj ETQq1 1 0.784314 rgBTj /Overlock	3.1	57
34	Construction of Zn _x Cd _{1-x} S/Bi ₂ S ₃ composite nanospheres with photothermal effect for enhanced photocatalytic activities. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 303-311.	5.0	56
35	Graphene-Zn _{0.5} Cd _{0.5} S nanocomposite with enhanced visible-light photocatalytic CO ₂ reduction activity. <i>Applied Surface Science</i> , 2020, 506, 144683.	3.1	48
36	Fabrication of CdMoO ₄ @CdS core-shell hollow superstructures as high performance visible-light driven photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15339-15347.	1.3	47

#	ARTICLE	IF	CITATIONS
37	Respective construction of Type-II and direct Z-scheme heterostructure by selectively depositing CdS on {001} and {101} facets of TiO ₂ nanosheet with CDots modification: A comprehensive comparison. <i>Journal of Hazardous Materials</i> , 2019, 366, 311-320.	6.5	45
38	NiS nanoparticle decorated MoS ₂ nanosheets as efficient promoters for enhanced solar H ₂ evolution over Zn _x Cd _{1-x} S nanorods. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1042-1047.	3.0	41
39	One-pot template-free synthesis of porous CdMoO ₄ microspheres and their enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2016, 387, 202-213.	3.1	39
40	Graphene oxide coupled carbon nitride homo-heterojunction photocatalyst for enhanced hydrogen production. <i>Materials Chemistry Frontiers</i> , 2017, 1, 562-571.	3.2	38
41	Combined CdS/In ₂ S ₃ heterostructures with cocatalyst for boosting carriers separation and photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021, 541, 148431.	3.1	33
42	CoPt _x -loaded Zn _{0.5} Cd _{0.5} S nanocomposites for enhanced visible light photocatalytic H ₂ production. <i>International Journal of Energy Research</i> , 2016, 40, 1280-1286.	2.2	32
43	Enhancement of Visible-Light Photocatalytic Activity of Mesoporous Au-TiO ₂ Nanocomposites by Surface Plasmon Resonance. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-10.	1.4	28
44	Two-Dimensional Layered Co(OH) ₂ /g-C ₃ N ₄ /Ni(OH) ₂ Ternary Nanocomposites for Enhanced Visible-Light Photocatalytic H ₂ -Production Activity. <i>ACS Applied Energy Materials</i> , 2021, 4, 6340-6347.	2.5	27
45	ZnO nanowire arrays decorated 3D N-doped reduced graphene oxide nanotube framework for enhanced photocatalytic CO ₂ reduction performance. <i>Journal of CO₂ Utilization</i> , 2021, 50, 101584.	3.3	25
46	Engineering 2D Cu-composed metal-organic framework nanosheets for augmented nanocatalytic tumor therapy. <i>Journal of Nanobiotechnology</i> , 2022, 20, 66.	4.2	22
47	Construction of ultrafine Ag ₃ PO ₄ nanoparticle and La ₂ Ti ₂ O ₇ nanosheet 0D/2D heterojunctions with improved photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2018, 740, 901-909.	2.8	19
48	One-Pot Template-Free Hydrothermal Synthesis of Monoclinic Hollow Microspheres and Their Enhanced Visible-Light Photocatalytic Activity. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-10.	1.4	17
49	Enhancement of degradation for nitrogen doped zinc oxide to degrade methylene blue. <i>Physica B: Condensed Matter</i> , 2020, 583, 412029.	1.3	16
50	Solar-driven Pt modified hollow structured CdS photocatalyst for efficient hydrogen evolution. <i>RSC Advances</i> , 2014, 4, 36665.	1.7	15
51	Boosting oxygen electrocatalytic reactions with Mn ₃ O ₄ /self-growth N-doped carbon nanotubes induced by transition metal cobalt. <i>Catalysis Science and Technology</i> , 2020, 10, 7256-7261.	2.1	14
52	Visible-light-driven photocatalytic N ₂ fixation to nitrates by 2D/2D ultrathin BiVO ₄ nanosheet/rGO nanocomposites. <i>Chemical Communications</i> , 2022, 58, 2184-2187.	2.2	14
53	Silver Iodide Nanospheres Wrapped in Reduced Graphene Oxide for Enhanced Photocatalysis. <i>ChemCatChem</i> , 2015, 7, 2918-2923.	1.8	13
54	Synthesis of nanosized TiO ₂ /SiO ₂ catalysts by the ultrasonic microemulsion method and their photocatalytic activity. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 91, 21-28.	0.6	10

#	ARTICLE	IF	CITATIONS
55	Hierarchical sandwich NiFe layered double hydroxide/reduced graphene oxide for high energy density asymmetric supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2022, 907, 116065.	1.9	10
56	Facile Synthesis and Photocatalytic Property of Titania/Carbon Composite Hollow Microspheres with Bimodal Mesoporous Shells. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-9.	1.4	4
57	Two-dimensional Hf ₂ CO ₂ /GaN van der Waals heterostructure for overall water splitting: a density functional theory study. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19368-19379.	1.1	4
58	Enhanced Photocatalytic H ₂ -Production Activity of Graphitic Carbon Nitride Modified Using a MnO _x Cocatalyst. <i>Nano</i> , 2021, 16, .	0.5	0