

Yonglei Xing

List of Publications by Year in descending order

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37
papers

1,208
citations

471509

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all docs

37
docs citations

37
times ranked

2224
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Flexible Perovskite Solar Cells Using Solution-Derived NiO Hole Contacts. ACS Nano, 2016, 10, 3630-3636.	14.6	426
2	High efficiency hysteresis-less inverted planar heterojunction perovskite solar cells with a solution-derived NiO hole contact layer. Journal of Materials Chemistry A, 2015, 3, 24495-24503.	10.3	130
3	Facile synthesis of ZnO/CuInS ₂ nanorod arrays for photocatalytic pollutants degradation. Journal of Hazardous Materials, 2016, 317, 430-439.	12.4	69
4	PbS QD-based photodetectors: future-oriented near-infrared detection technology. Journal of Materials Chemistry C, 2021, 9, 417-438.	5.5	64
5	In ₂ O ₃ /Bi ₂ Sn ₂ O ₇ heterostructured nanoparticles with enhanced photocatalytic activity. Applied Surface Science, 2016, 387, 36-44.	6.1	50
6	Bi ₂ O ₃ /Carbon quantum dots heterostructured photocatalysts with enhanced photocatalytic activity. Materials Letters, 2017, 209, 220-223.	2.6	44
7	High-quality Cu ₂ ZnSnS ₄ and Cu ₂ ZnSnSe ₄ nanocrystals hybrid with ZnO and NaYF ₄ : Yb, Tm as efficient photocatalytic sensitizers. Applied Catalysis B: Environmental, 2017, 200, 402-411.	20.2	41
8	Fabrication of a Z-scheme CeO ₂ /Bi ₂ O ₄ heterojunction photocatalyst with superior visible-light responsive photocatalytic performance. Journal of Alloys and Compounds, 2022, 909, 164671.	5.5	32
9	Fabrication of Bi ₂ Sn ₂ O ₇ -ZnO heterostructures with enhanced photocatalytic activity. RSC Advances, 2015, 5, 27576-27583.	3.6	30
10	Solution-induced morphology change of organic-inorganic hybrid perovskite films for high efficiency inverted planar heterojunction solar cells. Electrochimica Acta, 2016, 191, 750-757.	5.2	27
11	Recent Progress on Bismuth-based Nanomaterials for Electrocatalytic Carbon Dioxide Reduction. Chemical Research in Chinese Universities, 2020, 36, 410-419.	2.6	27
12	Synthesis and characterization of ZnO nanospheres sensitized BiOBr plates with enhanced photocatalytic performances. Materials Letters, 2016, 182, 210-213.	2.6	22
13	ZnO/TiO ₂ nanohexagon arrays heterojunction photoanode for enhancing power conversion efficiency in dye-sensitized solar cells. Journal of Alloys and Compounds, 2016, 685, 610-618.	5.5	22
14	New architecture of a petal-shaped Nb ₂ O ₅ nanosheet film on FTO glass for high photocatalytic activity. RSC Advances, 2016, 6, 9581-9588.	3.6	22
15	Fabrication of Z-scheme ZnO/Bi ₂ O ₄ heterojunction photocatalyst with superior photocatalytic nitrogen fixation under visible light irradiation. Solid State Sciences, 2021, 119, 106709.	3.2	22
16	Bi ₂ Sn ₂ O ₇ @TiO ₂ nanocomposites for enhancing visible light photocatalytic activity. RSC Advances, 2014, 4, 49900-49907.	3.6	21
17	Reporting performance in MoS ₂ @TiO ₂ bilayer and heterojunction films based dye-sensitized photovoltaic devices. Journal of Alloys and Compounds, 2016, 672, 481-488.	5.5	18
18	Crack-free polydimethylsiloxane@bioactive glass@poly(ethylene glycol) hybrid monoliths with controlled biomineralization activity and mechanical property for bone tissue regeneration. Colloids and Surfaces B: Biointerfaces, 2015, 136, 126-133.	5.0	17

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19	New insights into photocatalytic mechanism and photoelectrochemical property of bismuth oxybromide heterostructure with DFT investigation. <i>Applied Surface Science</i> , 2018, 458, 464-477.	6.1	13
20	Content-dependent biomineralization activity and mechanical properties based on polydimethylsiloxaneâ€bioactive glassâ€poly(caprolactone) hybrids monoliths for bone tissue regeneration. <i>RSC Advances</i> , 2015, 5, 61309-61317.	3.6	12
21	Enhanced Conversion Efficiencies in Dye-Sensitized Solar Cells Achieved through Self-Assembled Platinum(II) Metallacages. <i>Scientific Reports</i> , 2016, 6, 29476.	3.3	12
22	Facile synthesis of Z-scheme ZnMoO ₄ /Bi ₂ O ₃ heterojunction photocatalyst for effective removal of levofloxacin. <i>Inorganic Chemistry Communication</i> , 2022, 143, 109763.	3.9	11
23	Fabrication and stability of opened-end TiO ₂ nanotube arrays based dye-sensitized solar cells. <i>Ceramics International</i> , 2015, 41, S719-S724.	4.8	9
24	Ordered crystalline TiO ₂ nano-hexagon arrays for improving conversion efficiency of dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2015, 646, 106-111.	5.5	8
25	Construction of an NAND logic gate based on molecularly imprinted dual-emission quantum dot composites for the detection of antibiotics. <i>Analytical Methods</i> , 2019, 11, 2033-2040.	2.7	8
26	Highly bioactive polysiloxane modified bioactive glass-poly(ethylene glycol) hybrids monoliths with controlled surface structure for bone tissue regeneration. <i>Applied Surface Science</i> , 2015, 332, 542-548.	6.1	6
27	Novel self-growth photocatalytic rod-like heterojunction for hydrogen production under visible light. <i>Journal of Crystal Growth</i> , 2015, 419, 149-152.	1.5	6
28	Fabrication of biomimetic polysiloxane-bioactive glassâ€chitosan hybrid monoliths with high apatite-forming bioactivity. <i>Ceramics International</i> , 2015, 41, S393-S398.	4.8	6
29	Enhanced photocatalytic activity of Bi ₂₄ O ₃₁ Br ₁₀ nanosheets by the photodeposition of Au nanoparticles. <i>Solid State Sciences</i> , 2019, 95, 105921.	3.2	6
30	Visible-light-responsive NaBiO ₃ /LiO-67 heterojunction with enhanced photocatalytic performance. <i>Materials Science in Semiconductor Processing</i> , 2022, 147, 106708.	4.0	6
31	Effects of ZnS layer on the performance improvement of the photosensitive ZnO nanowire arrays solar cells. <i>Materials Chemistry and Physics</i> , 2016, 178, 139-148.	4.0	5
32	One-step synthesis of Ni(OH) ₂ /MWCNT nanocomposites for constructing a nonenzymatic hydroquinone/O ₂ fuel cell. <i>RSC Advances</i> , 2020, 10, 39447-39454.	3.6	5
33	Fabrication of Ag ₂ Oâ€Bi ₂ Sn ₂ O ₇ Heterostructured Nanoparticles for Enhanced Photocatalytic Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4306-4310.	0.9	3
34	Bifunctional Electrocatalyst with 0D/2D Heterostructure for Highly Efficient Hydrogen and Oxygen Generation. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2892-2899.	3.3	3
35	New AgNbO ₄ compound with high visible light photocatalytic activity. <i>Materials Letters</i> , 2016, 183, 97-100.	2.6	2
36	Construction of Phenol/O ₂ Fuel Cell with CuO/MWCNTs Modified Electrode as Anode. <i>Nano</i> , 2019, 14, 1950134.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Facile method to prepare copper-doped LiNbO ₃ nanocrystals. Micro and Nano Letters, 2015, 10, 307-309.	1.3	1