

Yao-Guang Yu

List of Publications by Year in descending order

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47
papers

2,276
citations

257450

24
h-index

223800

46
g-index

50
all docs

50
docs citations

50
times ranked

3809
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel high-efficiency visible-light sensitive Ag ₂ CO ₃ photocatalyst with universal photodegradation performances: Simple synthesis, reaction mechanism and first-principles study. Applied Catalysis B: Environmental, 2013, 134-135, 46-54.	20.2	305
2	Facile Approach to Synthesize g-PAN/g-C ₃ N ₄ Composites with Enhanced Photocatalytic H ₂ Evolution Activity. ACS Applied Materials & Interfaces, 2014, 6, 7171-7179.	8.0	266
3	The sulfur-bubble template-mediated synthesis of uniform porous g-C ₃ N ₄ with superior photocatalytic performance. Chemical Communications, 2015, 51, 425-427.	4.1	148
4	ZIF-8 derived carbon (C-ZIF) as a bifunctional electron acceptor and HER cocatalyst for g-C ₃ N ₄ : construction of a metal-free, all carbon-based photocatalytic system for efficient hydrogen evolution. Journal of Materials Chemistry A, 2016, 4, 3822-3827.	10.3	127
5	The synthesis of condensed C-PDA@g-C ₃ N ₄ composites with superior photocatalytic performance. Chemical Communications, 2015, 51, 6824-6827.	4.1	99
6	Visible-light-driven ZnIn ₂ S ₄ /CdIn ₂ S ₄ composite photocatalyst with enhanced performance for photocatalytic H ₂ evolution. International Journal of Hydrogen Energy, 2013, 38, 1278-1285.	7.1	95
7	The facile synthesis of mesoporous g-C ₃ N ₄ with highly enhanced photocatalytic H ₂ evolution performance. Chemical Communications, 2015, 51, 16244-16246.	4.1	82
8	An efficient method to enhance the stability of sulphide semiconductor photocatalysts: a case study of N-doped ZnS. Physical Chemistry Chemical Physics, 2015, 17, 1870-1876.	2.8	79
9	Preparation of 1D cubic Cd _{0.8} Zn _{0.2} S solid-solution nanowires using levelling effect of TGA and improved photocatalytic H ₂ -production activity. Journal of Materials Chemistry A, 2015, 3, 1696-1702.	10.3	73
10	Recent advances in rare-earth elements modification of inorganic semiconductor-based photocatalysts for efficient solar energy conversion: A review. Journal of Rare Earths, 2015, 33, 453-462.	4.8	73
11	Sonochemistry synthesis and enhanced photocatalytic H ₂ -production activity of nanocrystals embedded in CdS/ZnS/In ₂ S ₃ microspheres. Nanoscale, 2012, 4, 2010.	5.6	67
12	Sonochemistry synthesis of Bi ₂ S ₃ /CdS heterostructure with enhanced performance for photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2014, 39, 14479-14486.	7.1	64
13	Hydrogen-Location-Sensitive Modulation of the Redox Reactivity for Oxygen-Deficient TiO ₂ . Journal of the American Chemical Society, 2019, 141, 8407-8411.	13.7	59
14	Hierarchical architectures of porous ZnS-based microspheres by assembly of heterostructure nanoflakes: lateral oriented attachment mechanism and enhanced photocatalytic activity. Energy and Environmental Science, 2011, 4, 3652.	30.8	56
15	Hierarchical Zn ₃ V ₃ O ₈ /C composite microspheres assembled from unique porous hollow nanoplates with superior lithium storage capability. Journal of Materials Chemistry A, 2016, 4, 17063-17072.	10.3	48
16	N-doped Nb ₂ O ₅ Sensitized by Carbon Nitride Polymer " Synthesis and High Photocatalytic Activity under Visible Light. European Journal of Inorganic Chemistry, 2012, 2012, 1742-1749.	2.0	46
17	Controllable synthesis of In ₂ O ₃ octodecahedra exposing {110} facets with enhanced gas sensing performance. RSC Advances, 2015, 5, 44306-44312.	3.6	46
18	Doping La into the depletion layer of the Cd _{0.6} Zn _{0.4} S photocatalyst for efficient H ₂ evolution. Chemical Communications, 2013, 49, 10142.	4.1	42

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19	Sonochemistry synthesis of nanocrystals embedded in a MoO ₃ @CdS core-shell photocatalyst with enhanced hydrogen production and photodegradation. <i>Journal of Materials Chemistry</i> , 2012, 22, 19646.	6.7	40
20	Synthesis of carbon doped WO ₃ ·0.33H ₂ O hierarchical photocatalyst with improved photocatalytic activity. <i>Applied Surface Science</i> , 2016, 362, 182-190.	6.1	39
21	A facile approach to construct BiOI/Bi ₅ O ₇ I composites with heterostructures: efficient charge separation and enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 74174-74179.	3.6	38
22	Collaborative enhancement of photon harvesting and charge carrier dynamics in carbon nitride photoelectrode. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 783-790.	20.2	38
23	A new oxynitride-based solid state Z-scheme photocatalytic system for efficient Cr(VI) reduction and water oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 176-184.	20.2	36
24	Synthesis of metal oxide nanosheets through a novel approach for energy applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 781-784.	10.3	29
25	Urea-assisted synthesis of ultra-thin hexagonal tungsten trioxide photocatalyst sheets. <i>Journal of Materials Science</i> , 2015, 50, 8111-8119.	3.7	22
26	Template and surfactant free synthesis of hierarchical WO ₃ ·0.33H ₂ O via a facile solvothermal route for photocatalytic RhB degradation. <i>CrystEngComm</i> , 2014, 16, 6107-6113.	2.6	20
27	Engineering the Band Gap States of the Rutile TiO ₂ (110) Surface by Modulating the Active Heteroatom. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8550-8554.	13.8	20
28	Crooked Ag ₂ Te nanowires with rough surfaces: facile microwave-assisted solution synthesis, growth mechanism, and electrical performances. <i>New Journal of Chemistry</i> , 2014, 38, 59-62.	2.8	19
29	Ion exchange synthesis of an all tungsten based Z-scheme photocatalytic system with highly enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 46897-46903.	3.6	19
30	Template-free preparation of mesoporous single crystal In ₂ O ₃ achieving superior ethanol gas sensing performance. <i>RSC Advances</i> , 2016, 6, 14615-14619.	3.6	18
31	Oxygen functional groups induced formation of Cu ₂ O nanoparticles on the surface of reduced graphene oxide. <i>New Journal of Chemistry</i> , 2013, 37, 2845.	2.8	17
32	Mixed solvothermal synthesis of hierarchical ZnIn ₂ S ₄ spheres: specific facet-induced photocatalytic activity enhancement and a DFT elucidation. <i>RSC Advances</i> , 2013, 3, 18579.	3.6	17
33	Solvothermal synthesis of pyrochlore-type cubic tungsten trioxide hemihydrate and high photocatalytic activity. <i>New Journal of Chemistry</i> , 2014, 38, 3071-3077.	2.8	17
34	Two-Dimensional Layered SnO ₂ Nanosheets for Ambient Ammonia Synthesis. <i>ACS Applied Energy Materials</i> , 2020, 3, 6735-6742.	5.1	16
35	Microwave-assisted synthesis of a nanocrystalline Cd _{0.6} Zn _{0.4} S photocatalyst with a twin structure: the effect of SDBS and enhanced performance for H ₂ evolution. <i>New Journal of Chemistry</i> , 2014, 38, 486-489.	2.8	15
36	Mathematical modeling of direct formate fuel cells incorporating the effect of ion migration. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120629.	4.8	14

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37	Effects of La-doping on charge separation behavior of ZnO:GaN for its enhanced photocatalytic performance. <i>Catalysis Science and Technology</i> , 2016, 6, 1033-1041.	4.1	13
38	Controllable and facile synthesis of nearly monodisperse 18-facet indium hydroxide polyhedra. <i>New Journal of Chemistry</i> , 2015, 39, 1930-1937.	2.8	10
39	Improved light absorption and photocatalytic activity of Zn,N-TiO ₂ rich in oxygen vacancies synthesized by nitridation and hydrogenation. <i>New Journal of Chemistry</i> , 2015, 39, 2417-2420.	2.8	9
40	Engineering the Band Gap States of the Rutile TiO ₂ (110) Surface by Modulating the Active Heteroatom. <i>Angewandte Chemie</i> , 2018, 130, 8686-8690.	2.0	9
41	A red La(OH) ₃ /TiO ₂ :B,N composite photocatalyst for broad-band visible-light-driven hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13534-13542.	7.1	8
42	Fast synthesis of double-directional tellurium submicron needles by microwave-assisted solution method. <i>CrystEngComm</i> , 2013, 15, 241-244.	2.6	5
43	In situ formation of metal CdxZn1-xS nanocrystals on graphene surface: a novel method to synthesise sulfide-graphene nanocomposites. <i>RSC Advances</i> , 2014, 4, 29555.	3.6	4
44	Synthesis of GaN:ZnO solid solution photocatalysts with hollow polyhedral morphology through a molten-salt-assisted nitridation method. <i>Materials Letters</i> , 2014, 128, 319-321.	2.6	4
45	Construction of hollow tellurium hierarchical architecture via a trisodium citrate assisted self-sacrificed template eroding mechanism. <i>RSC Advances</i> , 2014, 4, 36257.	3.6	3
46	Revealing the sodium storage performance enhancement of adsorption-type carbon materials after ammonia treatment: Active nitrogen dopants or specific surface area?. <i>International Journal of Energy Research</i> , 2021, 45, 7447-7456.	4.5	2
47	Electrical properties of new oxides (Ca _{0.85-x} Y _x OH) _{1.16} CoO ₂ synthesized by hydrothermal process. <i>Journal of Rare Earths</i> , 2013, 31, 600-603.	4.8	0