Yao-Guang Yu

List of Publications by Year
in descending order

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47	2,276	257450	223800
papers	citations	24 h-index	46 g-index

50	50	50	3809
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mathematical modeling of direct formate fuel cells incorporating the effect of ion migration. International Journal of Heat and Mass Transfer, 2021, 164, 120629.	4.8	14
2	Revealing the sodiumâ€storage performance enhancement of adsorptionâ€type carbon materials after ammonia treatment: Active nitrogen dopants or specific surface area?. International Journal of Energy Research, 2021, 45, 7447-7456.	4.5	2
3	Two-Dimensional Layered SnO₂ Nanosheets for Ambient Ammonia Synthesis. ACS Applied Energy Materials, 2020, 3, 6735-6742.	5.1	16
4	Hydrogen-Location-Sensitive Modulation of the Redox Reactivity for Oxygen-Deficient TiO₂. Journal of the American Chemical Society, 2019, 141, 8407-8411.	13.7	59
5	Engineering the Band Gap States of the Rutile TiO₂(110) Surface by Modulating the Active Heteroatom. Angewandte Chemie - International Edition, 2018, 57, 8550-8554.	13.8	20
6	Engineering the Band Gap States of the Rutile TiO 2 (110) Surface by Modulating the Active Heteroatom. Angewandte Chemie, 2018, 130, 8686-8690.	2.0	9
7	Collaborative enhancement of photon harvesting and charge carrier dynamics in carbon nitride photoelectrode. Applied Catalysis B: Environmental, 2018, 237, 783-790.	20.2	38
8	Hierarchical Zn₃V₃O₈/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
9	Synthesis of carbon doped WO3Â·0.33H2O hierarchical photocatalyst with improved photocatalytic activity. Applied Surface Science, 2016, 362, 182-190.	6.1	39
10	Template-free preparation of mesoporous single crystal In₂O₃ achieving superior ethanol gas sensing performance. RSC Advances, 2016, 6, 14615-14619.	3.6	18
11	ZIF-8 derived carbon (C-ZIF) as a bifunctional electron acceptor and HER cocatalyst for g-C₃N₄: 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
12	Synthesis of metal oxide nanosheets through a novel approach for energy applications. Journal of Materials Chemistry A, 2016, 4, 781-784.	10.3	29
13	A new oxynitride-based solid state Z-scheme photocatalytic system for efficient Cr(VI) reduction and water oxidation. Applied Catalysis B: Environmental, 2016, 183, 176-184.	20.2	36
14	Effects of La-doping on charge separation behavior of ZnO:GaN for its enhanced photocatalytic performance. Catalysis Science and Technology, 2016, 6, 1033-1041.	4.1	13
15	Ion exchange synthesis of an all tungsten based Z-scheme photocatalytic system with highly enhanced photocatalytic activity. RSC Advances, 2015, 5, 46897-46903.	3.6	19
16	Controllable synthesis of In₂O₃ octodecahedra exposing {110} facets with enhanced gas sensing performance. RSC Advances, 2015, 5, 44306-44312.	3.6	46
17	Improved light absorption and photocatalytic activity of Zn,N-TiO2â^'x rich in oxygen vacancies synthesized by nitridation and hydrogenation. New Journal of Chemistry, 2015, 39, 2417-2420.	2.8	9
18	Preparation of 1D cubic Cd_{0.8}Zn_{0.2}S solid-solution nanowires using levelling effect of TGA and improved photocatalytic H₂-production activity. Journal of Materials Chemistry A, 2015, 3, 1696-1702.	10.3	73

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19	Controllable and facile synthesis of nearly monodisperse 18-facet indium hydroxide polyhedra. New Journal of Chemistry, 2015, 39, 1930-1937.	2.8	10
20	The synthesis of condensed C-PDAâ€“g-C₃N₄ composites with superior photocatalytic performance. Chemical Communications, 2015, 51, 6824-6827.	4.1	99
21	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
22	The facile synthesis of mesoporous g-C3N4 with highly enhanced photocatalytic H2 evolution performance. Chemical Communications, 2015, 51, 16244-16246.	4.1	82
23	Urea-assisted synthesis of ultra-thin hexagonal tungsten trioxide photocatalyst sheets. Journal of Materials Science, 2015, 50, 8111-8119.	3.7	22
24	A facile approach to construct BiOI/Bi₅O₇I composites with heterostructures: efficient charge separation and enhanced photocatalytic activity. RSC Advances, 2015, 5, 74174-74179.	3.6	38
25	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
26	The sulfur-bubble template-mediated synthesis of uniform porous g-C₃N₄ with superior photocatalytic performance. Chemical Communications, 2015, 51, 425-427.	4.1	148
27	A red La(OH)3/TiO2:B,N composite photocatalyst for broad-band visible-light-driven hydrogen evolution. International Journal of Hydrogen Energy, 2014, 39, 13534-13542.	7.1	8
28	Crooked Ag2Te nanowires with rough surfaces: facile microwave-assisted solution synthesis, growth mechanism, and electrical performances. New Journal of Chemistry, 2014, 38, 59-62.	2.8	19
29	Microwave-assisted synthesis of a nanocrystalline Cd0.6Zn0.4S photocatalyst with a twin structure: the effect of SDBS and enhanced performance for H2evolution. New Journal of Chemistry, 2014, 38, 486-489.	2.8	15
30	Insitu formation of metal CdxZn1â^'xS nanocrystals on graphene surface: a novel method to synthesise sulfideâ€“graphene nanocomposites. RSC Advances, 2014, 4, 29555.	3.6	4
31	Solvothermal synthesis of pyrochlore-type cubic tungsten trioxide hemihydrate and high photocatalytic activity. New Journal of Chemistry, 2014, 38, 3071-3077.	2.8	17
32	Construction of hollow tellurium hierarchical architecture via a trisodium citrate assisted self-sacrificed template eroding mechanism. RSC Advances, 2014, 4, 36257.	3.6	3
33	Template and surfactant free synthesis of hierarchical WO₃Â·0.33H₂O via a facile solvothermal route for photocatalytic RhB degradation. CrystEngComm, 2014, 16, 6107-6113.	2.6	20
34	Facile Approach to Synthesize g-PAN/g-C₃N₄ Composites with Enhanced Photocatalytic H₂ Evolution Activity. ACS Applied Materials & Interfaces, 2014, 6, 7171-7179.	8.0	266
35	Synthesis of GaN:ZnO solid solution photocatalysts with hollow polyhedral morphology through a molten-salt-assisted nitridation method. Materials Letters, 2014, 128, 319-321.	2.6	4
36	Sonochemistry synthesis of Bi2S3/CdS heterostructure with enhanced performance for photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2014, 39, 14479-14486.	7.1	64

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37	Oxygen functional groups induced formation of Cu2O nanoparticles on the surface of reduced graphene oxide. New Journal of Chemistry, 2013, 37, 2845.	2.8	17
38	Fast synthesis of double-directional tellurium submicron needles by microwave-assisted solution method. CrystEngComm, 2013, 15, 241-244.	2.6	5
39	Mixed solvothermal synthesis of hierarchical ZnIn2S4 spheres: specific facet-induced photocatalytic activity enhancement and a DFT elucidation. RSC Advances, 2013, 3, 18579.	3.6	17
40	Doping La into the depletion layer of the Cd0.6Zn0.4S photocatalyst for efficient H2 evolution. Chemical Communications, 2013, 49, 10142.	4.1	42
41	Visible-light-driven ZnIn2S4/CdIn2S4 composite photocatalyst with enhanced performance for photocatalytic H2 evolution. International Journal of Hydrogen Energy, 2013, 38, 1278-1285.	7.1	95
42	Electrical properties of new oxides (Ca0.85-xYxOH)1.16CoO2 synthesized by hydrothermal process. Journal of Rare Earths, 2013, 31, 600-603.	4.8	0
43	A novel high-efficiency visible-light sensitive Ag2CO3 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
44	Sonochemistry synthesis of nanocrystals embedded in a MoO3â€“CdS coreâ€“shell photocatalyst with enhanced hydrogen production and photodegradation. Journal of Materials Chemistry, 2012, 22, 19646.	6.7	40
45	Sonochemistry synthesis and enhanced photocatalytic H2-production activity of nanocrystals embedded in CdS/ZnS/In2S3 microspheres. Nanoscale, 2012, 4, 2010.	5.6	67
46	Nâ€Ðoped Nb₂O₅ Sensitized by Carbon Nitride Polymer â€“ Synthesis and High Photocatalytic Activity under Visible Light. European Journal of Inorganic Chemistry, 2012, 2012, 1742-1749.	2.0	46
47	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