Hao Yin

List of Publications by Year
in descending order

20 papers	3,021 citations	516710 16 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	4150 citing authors

#	Article	IF	Citations
1	Visible-light photocatalytic, solar thermal and photoelectrochemical properties of aluminium-reduced black titania. Energy and Environmental Science, 2013, 6, 3007.	30.8	626
2	Hâ€Doped Black Titania with Very High Solar Absorption and Excellent Photocatalysis Enhanced by Localized Surface Plasmon Resonance. Advanced Functional Materials, 2013, 23, 5444-5450.	14.9	621
3	Core-Shell Nanostructured â€œBlackâ€•Rutile Titania as Excellent Catalyst for Hydrogen Production Enhanced by Sulfur Doping. Journal of the American Chemical Society, 2013, 135, 17831-17838.	13.7	425
4	Effective nonmetal incorporation in black titania with enhanced solar energy utilization. Energy and Environmental Science, 2014, 7, 967.	30.8	376
5	Black TiO₂ nanotube arrays for high-efficiency photoelectrochemical water-splitting. Journal of Materials Chemistry A, 2014, 2, 8612-8616.	10.3	355
6	Black brookite titania with high solar absorption and excellent photocatalytic performance. Journal of Materials Chemistry A, 2013, 1, 9650.	10.3	175
7	Gray TiO₂ Nanowires Synthesized by Aluminumâ€Mediated Reduction and Their Excellent Photocatalytic Activity for Water Cleaning. Chemistry - A European Journal, 2013, 19, 13313-13316.	3.3	74
8	Black Titania for Superior Photocatalytic Hydrogen Production and Photoelectrochemical Water Splitting. ChemCatChem, 2015, 7, 2614-2619.	3.7	73
9	Black TiO₂ based coreâ€“shell nanocomposites as doxorubicin carriers for thermal imaging guided synergistic therapy of breast cancer. Nanoscale, 2017, 9, 11195-11204.	5.6	46
10	Colored titania nanocrystals and excellent photocatalysis for water cleaning. Catalysis Communications, 2015, 60, 55-59.	3.3	41
11	Hydrogenated black TiO₂ nanowires decorated with Ag nanoparticles as sensitive and reusable surface-enhanced Raman scattering substrates. RSC Advances, 2015, 5, 34737-34743.	3.6	33
12	Synthesis of ultrafine titanium dioxide nanowires using hydrothermal method. Materials Research Bulletin, 2012, 47, 3124-3128.	5.2	29
13	Shock-wave synthesis of multilayer graphene and nitrogen-doped graphene materials from carbonate. Carbon, 2015, 94, 928-935.	10.3	29
14	Fabrication of visible-light-driven Ag/TiO2 heterojunction composites induced by shock wave. Journal of Alloys and Compounds, 2016, 679, 463-469.	5.5	29
15	Preparation of graphene by electrical explosion of graphite sticks. Nanoscale, 2017, 9, 10639-10646.	5.6	29
16	Reaction synthesis of TiSi2 and Ti5Si3 by ball-milling and shock loading and their photocatalytic activities. Journal of Alloys and Compounds, 2013, 555, 375-380.	5.5	18
17	Shock induced conversion of carbon dioxide to few layer graphene. Carbon, 2017, 115, 471-476.	10.3	17
18	Shock-induced phase transition of g-C3N4 to a new C3N4 phase. Journal of Applied Physics, 2019, 126, .	2.5	9

#	Article	IF	Citations
19	Synthesis of nano titanium oxide with controlled oxygen content using pulsed discharge in water. Advanced Powder Technology, 2020, 31, 986-992.	4.1	9
20	One-step synthesis of FeO(OH) nanoparticles by electric explosion of iron wire underwater. Defence Technology, 2022, 18, 133-139.	4.2	7