Saim Emin

List of Publications by Year
in descending order

30 papers	1,001 citations	471477 17 h-index	454934 30 g-index
31 all docs	31 docs citations	31 times ranked	1657 citing authors

#	Article	IF	Citations
1	Colloidal quantum dot solar cells. Solar Energy, 2011, 85, 1264-1282.	6.1	246
2	Nanostructured Bi2O3@TiO2 photocatalyst for enhanced hydrogen production. International Journal of Hydrogen Energy, 2017, 42, 6627-6636.	7.1	95
3	Tungsten carbide electrocatalysts prepared from metallic tungsten nanoparticles for efficient hydrogen evolution. Applied Catalysis B: Environmental, 2018, 236, 147-153.	20.2	89
4	CuO Quantum Dots Decorated TiO₂ Nanocomposite Photocatalyst for Stable Hydrogen Generation. Industrial & Engineering Chemistry Research, 2018, 57, 568-577.	3.7	69
5	Photoelectrochemical Properties of Cadmium Chalcogenide-Sensitized Textured Porous Zinc Oxide Plate Electrodes. ACS Applied Materials & Interfaces, 2013, 5, 1113-1121.	8.0	57
6	Kinetics of Photochromic Induced Energy Transfer between Manganese-Doped Zinc-Selenide Quantum Dots and Spiropyrans. Journal of Physical Chemistry C, 2009, 113, 3998-4007.	3.1	42
7	Efficient Iron Phosphide Catalyst as a Counter Electrode in Dye-Sensitized Solar Cells. ACS Applied Energy Materials, 2021, 4, 10618-10626.	5.1	39
8	Involving CeVO4 in improving the photocatalytic activity of a Bi2WO6/allophane composite for the degradation of gaseous acetaldehyde under visible light. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 600-612.	4.7	38
9	Photoelectrochemical water splitting with porous Î±-Fe2O3 thin films prepared from Fe/Fe-oxide nanoparticles. Applied Catalysis A: General, 2016, 523, 130-138.	4.3	35
10	Improved photocatalytic activity of anatase-rutile nanocomposites induced by low-temperature sol-gel Sn-modification of TiO2. Catalysis Today, 2021, 361, 124-129.	4.4	32
11	Design of a highly photocatalytically active ZnO/CuWO 4 nanocomposite. Journal of Colloid and Interface Science, 2016, 483, 93-101.	9.4	30
12	Photostability of Water-dispersible CdTe Quantum Dots: Capping Ligands and Oxygen. Chemistry Letters, 2010, 39, 654-656.	1.3	28
13	Evaluation of carrier transport and recombinations in cadmium selenide quantum-dot-sensitized solar cells. Solar Energy Materials and Solar Cells, 2012, 101, 5-10.	6.2	25
14	Growth kinetics of CdS quantum dots and synthesis of their polymer nano-composites in CTAB reverse micelles. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 207, 173-180.	3.9	20
15	Solvothermal synthesis of iron phosphides and their application for efficient electrocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 21473-21482.	7.1	19
16	Structural and morphological transformations of textural porous zinc sulfide microspheres. Microporous and Mesoporous Materials, 2013, 165, 185-192.	4.4	18
17	Study of reverse micelles of di-isobutylphenoxyethoxyethyldimethylbenzylammonium methacrylate in benzene by nuclear magnetic resonance spectroscopy. Journal of Colloid and Interface Science, 2007, 305, 133-141.	9.4	17
18	A Simple Demonstration of Photocatalysis Using Sunlight. Journal of Chemical Education, 2012, 89, 1439-1441.	2.3	15

#	Article	IF	Citations
19	Preparation of porous Î±-Fe2O3 thin films for efficient photoelectrocatalytic degradation of basic blue 41 dye. Journal of Environmental Chemical Engineering, 2021, 9, 105495.	6.7	15
20	Charge carrier transport in polycrystalline CH3NH3PbI3 perovskite thin films in a lateral direction characterized by time-of-flight photoconductivity. Materials Chemistry and Physics, 2018, 220, 182-189.	4.0	11
21	Growth kinetics of CdSe nanoparticles synthesized in reverse micelles using bis(trimethylsilyl) selenium precursor. Open Chemistry, 2007, 5, 590-604.	1.9	9
22	Growth stimulation of Bacillus cereus and Pseudomonas putida using nanostructured ZnO thin film as transducer element. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	8
23	Interface-controlled growth of organic semiconductors on graphene. Surface Science, 2017, 664, 16-20.	1.9	7
24	Iron Phosphide Precatalyst for Electrocatalytic Degradation of Rhodamine B Dye and Removal of Escherichia coli from Simulated Wastewater. Catalysts, 2022, 12, 269.	3.5	7
25	Biotinylated vanadium and chromium sulfide nanoparticles as probes for colocalization of membrane proteins. Microscopy Research and Technique, 2016, 79, 799-805.	2.2	6
26	Growth of MoSe2 electrocatalyst from metallic molybdenum nanoparticles for efficient hydrogen evolution. Materials Today Communications, 2021, 26, 101976.	1.9	6
27	Carboxy-eosin As A Marker For Correlative Light - Electron Microscopic Imaging Of Newly Synthesized In Vivo DNA. Advanced Materials Letters, 2010, 1, 114-117.	0.6	6
28	The Role of Polyvinylpyrrolidone in Hydrothermally Synthesized Ag/ZnO Nanocomposites and Their Photocatalytic Activities. Journal of Nanoscience and Nanotechnology, 2015, 15, 6541-6549.	0.9	4
29	Immobilization and stretching of 5â€²â€pyreneâ€terminated <scp>DNA</scp> on carbon film deposited on electron microscope grid. Microscopy Research and Technique, 2015, 78, 994-1000.	2.2	2
30	Electron microscopic visualization of complementary labeled <scp>DNA</scp> with platinumâ€containing guanine derivative. Microscopy Research and Technique, 2016, 79, 280-284.	2.2	2