Sitaramanjaneya Mouli Thalluri

List of Publications by Year
in descending order

22 papers	1,464 citations	535685 17 h-index	721071 23 g-index
24 all docs	24 docs citations	24 times ranked	2777 citing authors

#	Article	IF	Citations
1	Lithium and sodium storage performance of tin oxyphosphate anode materials. Applied Surface Science, 2022, 579, 152126.	3.1	4
2	Flexible polypyrrole activated micro-porous paper-based photoanode for photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2021, 46, 8444-8453.	3.8	10
3	Bi-metallic cobalt-nickel phosphide nanowires for electrocatalysis of the oxygen and hydrogen evolution reactions. Catalysis Today, 2020, 358, 196-202.	2.2	46
4	Strategies for Semiconductor/Electrocatalyst Coupling toward Solarâ€Driven Water Splitting. Advanced Science, 2020, 7, 1902102.	5.6	110
5	Mille-CrÃªpe-like Metal Phosphide Nanocrystals/Carbon Nanotube Film Composites as High-Capacitance Negative Electrodes in Asymmetric Supercapacitors. ACS Applied Energy Materials, 2020, 3, 4580-4588.	2.5	19
6	Inverted Pyramid Textured p-Silicon Covered with Co₂P as an Efficient and Stable Solar Hydrogen Evolution Photocathode. ACS Energy Letters, 2019, 4, 1755-1762.	8.8	35
7	High-Performance Flexible Solid-State Asymmetric Supercapacitors Based on Bimetallic Transition Metal Phosphide Nanocrystals. ACS Nano, 2019, 13, 10612-10621.	7.3	214
8	Conformal and continuous deposition of bifunctional cobalt phosphide layers on p-silicon nanowire arrays for improved solar hydrogen evolution. Nano Research, 2018, 11, 4823-4835.	5.8	28
9	Highly-ordered silicon nanowire arrays for photoelectrochemical hydrogen evolution: an investigation on the effect of wire diameter, length and inter-wire spacing. Sustainable Energy and Fuels, 2018, 2, 978-982.	2.5	31
10	Hollow cobalt phosphide octahedral pre-catalysts with exceptionally high intrinsic catalytic activity for electro-oxidation of water and methanol. Journal of Materials Chemistry A, 2018, 6, 20646-20652.	5.2	95
11	Vaporâ€“solid synthesis of monolithic single-crystalline CoP nanowire electrodes for efficient and robust water electrolysis. Chemical Science, 2017, 8, 2952-2958.	3.7	162
12	Oneâ€Step Fabrication of Monolithic Electrodes Comprising Co₉S₈ Particles Supported on Cobalt Foam for Efficient and Durable Oxygen Evolution Reaction. Chemistry - A European Journal, 2017, 23, 8749-8755.	1.7	64
13	Effect of the KOH chemical treatment on the optical and photocatalytic properties of BiVO4 thin films. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	8
14	Green-synthesized W- and Mo-doped BiVO4 oriented along the {0 4 0} facet with enhanced activity for the sun-driven water oxidation. Applied Catalysis B: Environmental, 2016, 180, 630-636.	10.8	156
15	Facile biofunctionalization of silver nanoparticles for enhanced antibacterial properties, endotoxin removal, and biofilm control. International Journal of Nanomedicine, 2015, 10, 2155.	3.3	50
16	Photo-catalytic activity of BiVO4 thin-film electrodes for solar-driven water splitting. Applied Catalysis A: General, 2015, 504, 266-271.	2.2	58
17	Chemically induced porosity on BiVO₄ films produced by double magnetron sputtering to enhance the photo-electrochemical response. Physical Chemistry Chemical Physics, 2015, 17, 17821-17827.	1.3	36
18	Elucidation of important parameters of BiVO4 responsible for photo-catalytic O2 evolution and insights about the rate of the catalytic process. Chemical Engineering Journal, 2014, 245, 124-132.	6.6	63

#	Article	IF	Citations
19	Green-Synthesized BiVO₄ Oriented along {040} Facets for Visible-Light-Driven Ethylene Degradation. Industrial & Engineering Chemistry Research, 2014, 53, 2640-2646.	1.8	73
20	Evaluation of the Parameters Affecting the Visible-Light-Induced Photocatalytic Activity of Monoclinic BiVO₄ for Water Oxidation. Industrial & Engineering Chemistry Research, 2013, 52, 17414-17418.	1.8	72
21	A novel coral-like porous SnO₂hollow architecture: biomimetic swallowing growth mechanism and enhanced photovoltaic property for dye-sensitized solar cell application. Chemical Communications, 2010, 46, 472-474.	2.2	120
22	Assembly, formation mechanism, and enhanced gas-sensing properties of porous and hierarchical SnO₂hollow nanostructures. Journal of Materials Research, 2010, 25, 1992-2000.	1.2	8