Sitaramanjaneya Mouli Thalluri

List of Publications by Year in Descending Order

22 papers	1,082 citations	17 h-index	24 g-index
24 ext. papers	1,297 ext. citations	8.5 avg, IF	4.36 L-index

#	Paper	IF	Citations
22	Lithium and sodium storage performance of tin oxyphosphate anode materials. *Applied Surface Science*, **2022**, 579, 152126	6.7	1
21	Flexible polypyrrole activated micro-porous paper-based photoanode for photoelectrochemical water splitting. *International Journal of Hydrogen Energy*, **2021**, 46, 8444-8453	6.7	2
20	Strategies for Semiconductor/Electrocatalyst Coupling toward Solar-Driven Water Splitting. *Advanced Science*, **2020**, 7, 1902102	13.6	61
19	Mille-Crβe-like Metal Phosphide Nanocrystals/Carbon Nanotube Film Composites as High-Capacitance Negative Electrodes in Asymmetric Supercapacitors. *ACS Applied Energy Materials* , **2020**, 3, 4580-4588	6.1	10
18	Bi-metallic cobalt-nickel phosphide nanowires for electrocatalysis of the oxygen and hydrogen evolution reactions. *Catalysis Today*, **2020**, 358, 196-202	5.3	24
17	High-Performance Flexible Solid-State Asymmetric Supercapacitors Based on Bimetallic Transition Metal Phosphide Nanocrystals. *ACS Nano*, **2019**, 13, 10612-10621	16.7	129
16	Inverted Pyramid Textured p-Silicon Covered with Co2P as an Efficient and Stable Solar Hydrogen Evolution Photocathode. *ACS Energy Letters*, **2019**, 4, 1755-1762	20.1	18
15	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	10	18
14	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	5.8	22
13	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	13	66
12	Vapor-solid synthesis of monolithic single-crystalline CoP nanowire electrodes for efficient and robust water electrolysis. *Chemical Science*, **2017**, 8, 2952-2958	9.4	134
11	One-Step Fabrication of Monolithic Electrodes Comprising Co S Particles Supported on Cobalt Foam for Efficient and Durable Oxygen Evolution Reaction. *Chemistry - A European Journal*, **2017**, 23, 8749-8755	4.8	53
10	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	21.8	128
9	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	2.6	6
8	Photo-catalytic activity of BiVO4 thin-film electrodes for solar-driven water splitting. *Applied Catalysis A: General*, **2015**, 504, 266-271	5.1	48
7	Chemically induced porosity on BiVO4 films produced by double magnetron sputtering to enhance the photo-electrochemical response. *Physical Chemistry Chemical Physics*, **2015**, 17, 17821-7	3.6	27
6	Facile biofunctionalization of silver nanoparticles for enhanced antibacterial properties, endotoxin removal, and biofilm control. *International Journal of Nanomedicine*, **2015**, 10, 2155-71	7.3	39

List of Publications

5	Green-Synthesized BiVO4 Oriented along {040} Facets for Visible-Light-Driven Ethylene Degradation. *Industrial & Engineering Chemistry Research*, **2014**, 53, 2640-2646	3.9	61
4	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	14.7	52
3	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	3.9	59
2	A novel coral-like porous SnO2 hollow architecture: biomimetic swallowing growth mechanism and enhanced photovoltaic property for dye-sensitized solar cell application. *Chemical Communications*, **2010**, 46, 472-4	5.8	115
1	Assembly, formation mechanism, and enhanced gas-sensing properties of porous and hierarchical SnO2 hollow nanostructures. *Journal of Materials Research*, **2010**, 25, 1992-2000	2.5	8