

Shiba P Adhikari

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,716
citations

361413

20
h-index

501196

28
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docs citations

29
times ranked

3321
citing authors

#	ARTICLE	IF	CITATIONS
1	Titania Composites with 2% Transition Metal Carbides as Photocatalysts for Hydrogen Production under Visible-Light Irradiation. <i>ChemSusChem</i> , 2016, 9, 1490-1497.	6.8	253
2	Scalable neutral H ₂ O ₂ electrosynthesis by platinum diphosphide nanocrystals by regulating oxygen reduction reaction pathways. <i>Nature Communications</i> , 2020, 11, 3928.	12.8	101
3	Activated Carbons Derived from High-Temperature Pyrolysis of Lignocellulosic Biomass. <i>Journal of Carbon Research</i> , 2018, 4, 51.	2.7	77
4	Structural and electrolyte properties of Li ₄ P ₂ S ₆ . <i>Solid State Ionics</i> , 2016, 284, 61-70.	2.7	59
5	Enhanced visible light photocatalytic water reduction from a g-C ₃ N ₄ /SrTa ₂ O ₆ heterojunction. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 448-458.	20.2	58
6	Visible-light-driven Bi ₂ O ₃ /WO ₃ composites with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 91094-91102.	3.6	54
7	Visible light assisted photocatalytic hydrogen generation by Ta ₂ O ₅ /Bi ₂ O ₃ , TaON/Bi ₂ O ₃ , and Ta ₃ N ₅ /Bi ₂ O ₃ composites. <i>RSC Advances</i> , 2015, 5, 54998-55005.	3.6	47
8	Visible-light-active g-C ₃ N ₄ /N-doped Sr ₂ Nb ₂ O ₇ heterojunctions as photocatalysts for the hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2507-2515.	4.9	46
9	Reduction of charge-transfer resistance at the solid electrolyte/electrode interface by pulsed laser deposition of films from a crystalline Li ₂ PO ₂ N source. <i>Journal of Power Sources</i> , 2016, 312, 116-122.	7.8	43
10	A Visible-Light-Active Heterojunction with Enhanced Photocatalytic Hydrogen Generation. <i>ChemSusChem</i> , 2016, 9, 1869-1879.	6.8	42
11	Tire-derived carbon for catalytic preparation of biofuels from feedstocks containing free fatty acids. <i>Carbon Resources Conversion</i> , 2018, 1, 165-173.	5.9	38
12	Carbon polyaniline capacitive deionization electrodes with stable cycle life. <i>Desalination</i> , 2019, 464, 25-32.	8.2	32
13	Signal correction using molecular species to improve biodiesel analysis by microwave-induced plasma optical emission spectrometry. <i>Microchemical Journal</i> , 2016, 129, 58-62.	4.5	27
14	Isolated Metal Sites in Cu-Zn-Y/Beta for Direct and Selective Butene-Rich C ₃₊ Olefin Formation from Ethanol. <i>ACS Catalysis</i> , 2021, 11, 9885-9897.	11.2	24
15	Enhancing the photoresponse and photocatalytic properties of TiO ₂ by controllably tuning defects across {101} facets. <i>Applied Surface Science</i> , 2018, 434, 711-716.	6.1	23
16	A hybrid pathway to biojet fuel via 2,3-butanediol. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3904-3914.	4.9	22
17	Novel Acid Catalysts from Waste-Tire-Derived Carbon: Application in Waste-to-Biofuel Conversion. <i>ChemistrySelect</i> , 2017, 2, 4975-4982.	1.5	17
18	Interface Engineering of Colloidal CdSe Quantum Dot Thin Films as Acid-Stable Photocathodes for Solar-Driven Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17129-17139.	8.0	11

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19	Lignin-Derived Carbon Fibers as Efficient Heterogeneous Solid Acid Catalysts for Esterification of Oleic Acid. <i>MRS Advances</i> , 2018, 3, 2865-2873.	0.9	7
20	Unraveling the structural properties and dynamics of sulfonated solid acid carbon catalysts with neutron vibrational spectroscopy. <i>Catalysis Today</i> , 2020, 358, 387-393.	4.4	6
21	Biofuel Production With Sulfonated High Surface Area Carbons Derived From Glucose. <i>ChemistrySelect</i> , 2020, 5, 1534-1538.	1.5	5
22	Direct 2,3-Butanediol Conversion to Butene-Rich C ₃₊ Olefins over Copper-Modified 2D Pillared MFI: Consequence of Reduced Diffusion Length. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1664-1674.	6.7	4
23	Enhancement of visible light photocatalytic activity of tantalum oxynitride and tantalum nitride by coupling with bismuth oxide; an example of composite photocatalysis. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1738, 13.	0.1	3
24	Semiconductor Heterojunctions for Enhanced Visible Light Photocatalytic H ₂ Production. <i>MRS Advances</i> , 2018, 3, 3263-3270.	0.9	1