

Uttam Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,818
citations

430874

18
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

3307
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Effective Visible-Light-Induced H ₂ Generation by Single-Layer 1T-MoS ₂ and a Nanocomposite of Few-Layer 2H-MoS ₂ with Heavily Nitrogenated Graphene. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13057-13061.	13.8	438
2	Hydrogen generation by water splitting using MoS ₂ and other transition metal dichalcogenides. <i>Nano Energy</i> , 2017, 41, 49-65.	16.0	248
3	Characterization of few-layer 1T-MoSe ₂ and its superior performance in the visible-light induced hydrogen evolution reaction. <i>APL Materials</i> , 2014, 2, .	5.1	222
4	Weyl Semimetals as Hydrogen Evolution Catalysts. <i>Advanced Materials</i> , 2017, 29, 1606202.	21.0	169
5	Beneficial effect of Re doping on the electrochemical HER activity of MoS ₂ fullerenes. <i>Dalton Transactions</i> , 2015, 44, 16399-16404.	3.3	66
6	Electronic structure and properties of layered gallium telluride. <i>Chemical Physics Letters</i> , 2016, 651, 148-154.	2.6	62
7	2D-GaS as a Photocatalyst for Water Splitting to Produce H ₂ . <i>Small</i> , 2015, 11, 4723-4730.	10.0	61
8	Covalently Linked Heterostructures of Phosphorene with MoS ₂ /MoSe ₂ and Their Remarkable Hydrogen Evolution Reaction Activity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27780-27787.	8.0	60
9	Photochemical Water Splitting by Bismuth Chalcogenide Topological Insulators. <i>ChemPhysChem</i> , 2017, 18, 2322-2327.	2.1	54
10	Assemblies of covalently cross-linked nanosheets of MoS ₂ and of MoS ₂ -rGO: synthesis and novel properties. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8989-8994.	10.3	46
11	Visible-Light-Induced Generation of H ₂ by Nanocomposites of Few-Layer TiS ₂ and TaS ₂ with CdS Nanoparticles. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1311-1315.	3.3	44
12	Photochemical and Photoelectrochemical Hydrogen Generation by Splitting Seawater. <i>Chemistry - A European Journal</i> , 2018, 24, 18455-18462.	3.3	43
13	Stable functionalized phosphorenes with photocatalytic HER activity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6631-6637.	10.3	40
14	Covalently Bonded MoS ₂ -Borocarbonitride Nanocomposites Generated by Using Surface Functionalities on the Nanosheets and Their Remarkable HER Activity. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13376-13384.	3.1	39
15	Nanocomposites of 2D-MoS ₂ nanosheets with the metal-organic framework, ZIF-8. <i>Dalton Transactions</i> , 2016, 45, 13810-13816.	3.3	35
16	Effects of p- and n-type Doping in Inorganic Fullerene MoS ₂ on the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2016, 3, 1937-1943.	3.4	24
17	Visible light induced oxidation of water by rare earth manganites, cobaltites and related oxides. <i>Chemical Physics Letters</i> , 2014, 591, 277-281.	2.6	23
18	Hydrazine as a hydrogen carrier in the photocatalytic generation of H ₂ using CdS quantum dots. <i>Dalton Transactions</i> , 2016, 45, 15137-15141.	3.3	16

#	ARTICLE	IF	CITATIONS
19	Remarkable effect of Pt nanoparticles on visible light-induced oxygen generation from water catalysed by perovskite oxides. Dalton Transactions, 2015, 44, 472-474.	3.3	13
20	Effect of magnetic field on the hydrogen evolution activity using non-magnetic Weyl semimetal catalysts. Dalton Transactions, 2020, 49, 3398-3402.	3.3	13
21	A covalently conjugated MoS ₂ /Fe ₃ O ₄ magnetic nanocomposite as an efficient & reusable catalyst for H ₂ production. Dalton Transactions, 2018, 47, 287-291.	3.3	10
22	Oxidation of Toluene and Other Examples of C-H Bond Activation by CdO ₂ and ZnO ₂ Nanoparticles. ChemPlusChem, 2013, 78, 837-842.	2.8	9
23	Remarkable photochemical HER activity of semiconducting 2H MoSe ₂ and MoS ₂ . Journal of Chemical Sciences, 2018, 130, 1.	1.5	9
24	Visible-light-induced hydrogen evolution reaction with WS ₂ x Se ₂ x. Bulletin of Materials Science, 2017, 40, 329-333.	1.7	6
25	Dependence of the Properties of 2D Nanocomposites Generated by Covalent Crosslinking of Nanosheets on the Interlayer Separation: A Combined Experimental and Theoretical Study. ChemPhysChem, 2019, 20, 1728-1737.	2.1	6
26	Synthesis and properties of graphene and its 2D inorganic analogues with potential applications. Bulletin of Materials Science, 2018, 41, 1.	1.7	4
27	Supramolecularly Bonded Layered Heterostructures Exhibiting HER Activity. Chemistry - an Asian Journal, 2019, 14, 1523-1529.	3.3	3
28	The Effect of Substitution of Gallium on the Transport Properties of Polycrystalline GeTe. Physica Status Solidi (B): Basic Research, 2018, 255, 1700412.	1.5	2
29	Frontispiece: Photochemical and Photoelectrochemical Hydrogen Generation by Splitting Seawater. Chemistry - A European Journal, 2018, 24, .	3.3	0
30	Graphene and Other 2D Materials. , 2019, , 27-54.		0