Dhirendra Kumar Chaudhary

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7799913/publications.pdf

Version: 2024-02-01

21	408	933447 10	752698 20
papers	citations	h-index	g-index

22	22	22	722
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dependence of halide composition on the stability of highly efficient all-inorganic cesium lead halide perovskite quantum dot solar cells. Solar Energy Materials and Solar Cells, 2018, 185, 28-35.	6.2	82
2	High performance duckweed-derived carbon support to anchor NiFe electrocatalysts for efficient solar energy driven water splitting. Journal of Materials Chemistry A, 2018, 6, 18948-18959.	10.3	58
3	Solution-processed Cu₂XSnS₄ (X = Fe, Co, Ni) photo-electrochemical and thin film solar cells on vertically grown ZnO nanorod arrays. RSC Advances, 2016, 6, 115204-115212.	3.6	54
4	All-inorganic quantum dot assisted enhanced charge extraction across the interfaces of bulk organo-halide perovskites for efficient and stable pin-hole free perovskite solar cells. Chemical Science, 2019, 10, 9530-9541.	7.4	43
5	Broad range and highly sensitive optical pH sensor based on Hierarchical ZnO microflowers over tapered silica fiber. Sensors and Actuators A: Physical, 2018, 280, 399-405.	4.1	36
6	Core/Shell Nanocrystal Tailored Carrier Dynamics in Hysteresisless Perovskite Solar Cells with â¼20% Efficiency and Long Operational Stability. Journal of Physical Chemistry Letters, 2020, 11, 591-600.	4.6	21
7	Attuning the Electronic Properties of Two-Dimensional Co-Fe-O for Accelerating Water Electrolysis and Photolysis. ACS Applied Materials & Interfaces, 2019, 11, 30682-30693.	8.0	16
8	Large area semitransparent inverted organic solar cells with enhanced operational stability using TiO2 electron transport layer for building integrated photovoltaic devices. Materials Letters, 2021, 283, 128725.	2.6	14
9	Realization of efficient perovskite solar cells with MEH:PPV hole transport layer. Journal of Materials Science: Materials in Electronics, 2017, 28, 3451-3457.	2.2	12
10	Charge Transport between Coaxial Polymer Nanorods and Grafted All-Inorganic Perovskite Nanocrystals for Hybrid Organic Solar Cells with Enhanced Photoconversion Efficiency. Journal of Physical Chemistry C, 2020, 124, 246-255.	3.1	11
11	Evolution in surface coverage of CH₃NH₃PbI_{3â^'X}Cl_Xvia heat assisted solvent vapour treatment and their effects on photovoltaic performance of devices. RSC Advances, 2016, 6, 94731-94738.	3.6	10
12	Impact of CH3NH3PbI3-PCBM bulk heterojunction active layer on the photovoltaic performance of perovskite solar cells. Chemical Physics Letters, 2017, 685, 210-216.	2.6	10
13	Improved photovoltaic performance of bilayer small molecular solar cells via geometrical rearrangement of active materials. Materials Technology, 2017, 32, 792-799.	3.0	7
14	Fullerene (C60)-modulated surface evolution in CH3NH3PbI3 and its role in controlling the performance of inverted perovskite solar cells. Journal of Materials Science: Materials in Electronics, 2020, 31, 11150-11158.	2.2	7
15	Bulk-heterojunction hybrid solar cells with non-toxic, earth abundant stannite phase CuZn2AlS4 nanocrystals. Thin Solid Films, 2018, 649, 202-209.	1.8	6
16	Effects of 10 MeV Al4+ ions irradiation on fluorine-doped tin oxide substrates for photovoltaic device applications. Journal Physics D: Applied Physics, 2021, 54, 275502.	2.8	6
17	Nanostructuring on zinc phthalocyanine thin films for single-junction organic solar cells. AIP Conference Proceedings, 2016, , .	0.4	4
18	Thickness effect on scaling law and surface properties of nano-dimensional SnTe thin films. Journal of Applied Physics, 2021, 130, .	2.5	4

#	Article	IF	Citations
19	Morphological Studies on Ag Doped CdZnS Alloy Nanostructures. Materials Focus, 2016, 5, 146-153.	0.4	3
20	Studies on Photovoltaic Properties of ZnPc/PTCDA Based Bilayer Organic Solar Cells. Advanced Science Letters, 2014, 20, 1515-1518.	0.2	2
21	Controlled growth of ZnPc nanostructures via heat assisted solvent vapour treatment method and application in photovoltaic devices. Journal of Materials Science: Materials in Electronics, 2016, 27, 10701-10706.	2.2	1