

Tahmida N Huq

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

697
citations

759190

12
h-index

1058452

14
g-index

15
all docs

15
docs citations

15
times ranked

1170
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly Enhanced Photovoltaic Performance and Defect Physics of Air-Stable Bismuth Oxyiodide (BiOI). <i>Advanced Materials</i> , 2017, 29, 1702176.	21.0	139
2	Identifying and Reducing Interfacial Losses to Enhance Color-Pure Electroluminescence in Blue-Emitting Perovskite Nanoplatelet Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2019, 4, 1181-1188.	17.4	115
3	Lead-Free Perovskite-Inspired Absorbers for Indoor Photovoltaics. <i>Advanced Energy Materials</i> , 2021, 11, 2002761.	19.5	95
4	Research Update: Bismuth-based perovskite-inspired photovoltaic materials. <i>APL Materials</i> , 2018, 6, .	5.1	82
5	Nickel oxide thin films grown by chemical deposition techniques: Potential and challenges in next-generation rigid and flexible device applications. <i>Informa Mater</i> , 2021, 3, 536-576.	17.3	57
6	Electronic Structure and Optoelectronic Properties of Bismuth Oxyiodide Robust against Percent-Level Iodine, Oxygen, and Bismuth-Related Surface Defects. <i>Advanced Functional Materials</i> , 2020, 30, 1909983.	14.9	40
7	Rapid Vapor-Phase Deposition of High-Mobility <i>p</i> -Type Buffer Layers on Perovskite Photovoltaics for Efficient Semitransparent Devices. <i>ACS Energy Letters</i> , 2020, 5, 2456-2465.	17.4	32
8	Role of ALD Al ₂ O ₃ Surface Passivation on the Performance of p-Type Cu ₂ O Thin Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4156-4164.	8.0	31
9	Assessing the Impact of Defects on Lead-Free Perovskite-Inspired Photovoltaics via Photoinduced Current Transient Spectroscopy. <i>Advanced Energy Materials</i> , 2021, 11, 2003968.	19.5	26
10	Controlling the preferred orientation of layered BiOI solar absorbers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10791-10797.	5.5	25
11	Strong performance enhancement in lead-halide perovskite solar cells through rapid, atmospheric deposition of n-type buffer layer oxides. <i>Nano Energy</i> , 2020, 75, 104946.	16.0	20
12	Antiferromagnetism and p-type conductivity of nonstoichiometric nickel oxide thin films. <i>Informa Mater</i> , 2020, 2, 769-774.	17.3	20
13	Electron Beam Sterilization of Poly(Methyl Methacrylate) – Physicochemical and Biological Aspects. <i>Macromolecular Bioscience</i> , 2021, 21, e2000379.	4.1	12
14	Indoor Photovoltaics: Lead-Free Perovskite-Inspired Absorbers for Indoor Photovoltaics (<i>Adv. Energy</i>) Tj ETQq0 Q0,rgBT /Qverlock 10	19.5	3