

Taylor Moot

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,634
citations

471509

17
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

2429
citing authors

#	ARTICLE	IF	CITATIONS
1	Enabling Flexible All-Perovskite Tandem Solar Cells. <i>Joule</i> , 2019, 3, 2193-2204.	24.0	331
2	Overcoming Redox Reactions at Perovskite-Nickel Oxide Interfaces to Boost Voltages in Perovskite Solar Cells. <i>Joule</i> , 2020, 4, 1759-1775.	24.0	284
3	Metal Halide Perovskites in Quantum Dot Solar Cells: Progress and Prospects. <i>Joule</i> , 2020, 4, 1160-1185.	24.0	211
4	Perovskite Quantum Dot Photovoltaic Materials beyond the Reach of Thin Films: Full-Range Tuning of A-Site Cation Composition. <i>ACS Nano</i> , 2018, 12, 10327-10337.	14.6	186
5	Strategies to Achieve High Circularly Polarized Luminescence from Colloidal Organic-Inorganic Hybrid Perovskite Nanocrystals. <i>ACS Nano</i> , 2020, 14, 8816-8825.	14.6	94
6	Improving Low-Bandgap Tin-Lead Perovskite Solar Cells via Contact Engineering and Gas Quench Processing. <i>ACS Energy Letters</i> , 2020, 5, 1215-1223.	17.4	78
7	CSL Antisolvent Adduct Formation in All-Inorganic Metal Halide Perovskites. <i>Advanced Energy Materials</i> , 2020, 10, 1903365.	19.5	55
8	Suppressing Cation Migration in Triple-Cation Lead Halide Perovskites. <i>ACS Energy Letters</i> , 2020, 5, 2802-2810.	17.4	51
9	The Molybdenum Oxide Interface Limits the High-Temperature Operational Stability of Unencapsulated Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020, 5, 2349-2360.	17.4	49
10	Learning from existing photovoltaic technologies to identify alternative perovskite module designs. <i>Energy and Environmental Science</i> , 2020, 13, 3393-3403.	30.8	43
11	Temperature Coefficients of Perovskite Photovoltaics for Energy Yield Calculations. <i>ACS Energy Letters</i> , 2021, 6, 2038-2047.	17.4	43
12	The Structural Origin of Chiroptical Properties in Perovskite Nanocrystals with Chiral Organic Ligands. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	43
13	Choose Your Own Adventure: Fabrication of Monolithic All-Perovskite Tandem Photovoltaics. <i>Advanced Materials</i> , 2020, 32, e2003312.	21.0	39
14	Designing Plasmon-Enhanced Thermochromic Films Using a Vanadium Dioxide Nanoparticle Elastomeric Composite. <i>Advanced Optical Materials</i> , 2016, 4, 578-583.	7.3	26
15	Material informatics driven design and experimental validation of lead titanate as an aqueous solar photocathode. <i>Materials Discovery</i> , 2016, 6, 9-16.	3.3	23
16	Beyond Strain: Controlling the Surface Chemistry of CsPbI ₃ Nanocrystal Films for Improved Stability against Ambient Reactive Oxygen Species. <i>Chemistry of Materials</i> , 2020, 32, 7850-7860.	6.7	23
17	Probing the Origin of the Open Circuit Voltage in Perovskite Quantum Dot Photovoltaics. <i>ACS Nano</i> , 2021, 15, 19334-19344.	14.6	18
18	Organic Chromophores Designed for Hole Injection into Wide-Band-Gap Metal Oxides for Solar Fuel Applications. <i>Chemistry of Materials</i> , 2020, 32, 8158-8168.	6.7	12

#	ARTICLE	IF	CITATIONS
19	Cation Effects in p-Type Dye-Sensitized Solar Cells. ACS Applied Energy Materials, 2020, 3, 1496-1505.	5.1	11
20	Application of Quality by Design (QbD) Approach to Ultrasonic Atomization Spray Coating of Drug-Eluting Stents. AAPS PharmSciTech, 2015, 16, 811-823.	3.3	9
21	Dye-Sensitized Nonstoichiometric Strontium Titanate Core-Shell Photocathodes for Photoelectrosynthesis Applications. ACS Applied Materials & Interfaces, 2021, 13, 15261-15269.	8.0	5