

Mark E Ziffer

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

3,779
citations

623734

14
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

6835
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of microstructure on local carrier lifetime in perovskite solar cells. <i>Science</i> , 2015, 348, 683-686.	12.6	1,833
2	Photoluminescence Lifetimes Exceeding 8 μ s and Quantum Yields Exceeding 30% in Hybrid Perovskite Thin Films by Ligand Passivation. <i>ACS Energy Letters</i> , 2016, 1, 438-444.	17.4	452
3	Hybrid perovskite films approaching the radiative limit with over 90% photoluminescence quantum efficiency. <i>Nature Photonics</i> , 2018, 12, 355-361.	31.4	408
4	The Potential of Multijunction Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 2506-2513.	17.4	272
5	Electrochemical strain microscopy probes morphology-induced variations in ion uptake and performance in organic electrochemical transistors. <i>Nature Materials</i> , 2017, 16, 737-742.	27.5	143
6	Electroabsorption Spectroscopy Measurements of the Exciton Binding Energy, Electron-Hole Reduced Effective Mass, and Band Gap in the Perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$. <i>ACS Photonics</i> , 2016, 3, 1060-1068.	6.6	116
7	Zr Incorporation into TiO_2 Electrodes Reduces Hysteresis and Improves Performance in Hybrid Perovskite Solar Cells while Increasing Carrier Lifetimes. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 669-675.	4.6	106
8	Tracking Photoexcited Carriers in Hybrid Perovskite Semiconductors: Trap-Dominated Spatial Heterogeneity and Diffusion. <i>ACS Nano</i> , 2017, 11, 11488-11496.	14.6	105
9	Direct Determination of Band-Gap Renormalization in the Photoexcited Monolayer MoS_2 . <i>Physical Review Letters</i> , 2019, 122, 246803.	7.8	92
10	Long-Lived, Non-Geminate, Radiative Recombination of Photogenerated Charges in a Polymer/Small-Molecule Acceptor Photovoltaic Blend. <i>Journal of the American Chemical Society</i> , 2018, 140, 9996-10008.	13.7	73
11	Solvated Electrons in Solids-Ferroelectric Large Polarons in Lead Halide Perovskites. <i>Journal of the American Chemical Society</i> , 2021, 143, 5-16.	13.7	44
12	High carrier mobility in graphene doped using a monolayer of tungsten oxyselenide. <i>Nature Electronics</i> , 2021, 4, 731-739.	26.0	41
13	Realization of a Highly Oriented MAPbBr_3 Perovskite Thin Film via Ion Exchange for Ultrahigh Color Purity Green Light Emission. <i>ACS Energy Letters</i> , 2018, 3, 1662-1669.	17.4	38
14	Tuning H- and J-Aggregate Behavior in π -Conjugated Polymers via Noncovalent Interactions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18860-18869.	3.1	31
15	Bismuth Doping Alters Structural Phase Transitions in Methylammonium Lead Tribromide Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2749-2755.	4.6	14
16	How hybrid perovskites get their groove. <i>Science</i> , 2016, 353, 1365-1365.	12.6	6
17	Ultrafast Ferroelectric Ordering on the Surface of a Topological Semimetal MoTe_2 . <i>Nano Letters</i> , 2021, 21, 9903-9908.	9.1	4