

Richard K Koech

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Interfacial fracture of hybrid organic–inorganic perovskite solar cells. <i>Extreme Mechanics Letters</i> , 2022, 50, 101515.	4.1	7
2	Effects of temperature-dependent burn-in decay on the performance of triple cation mixed halide perovskite solar cells. <i>AIP Advances</i> , 2022, 12, 015122.	1.3	6
3	Understanding the effects of annealing temperature on the mechanical properties of layers in FAI-rich perovskite solar cells. <i>AIP Advances</i> , 2022, 12, 025104.	1.3	2
4	Effects of blister formation on the degradation of organic light emitting devices. <i>AIP Advances</i> , 2022, 12, 035308.	1.3	0
5	Adhesion in Perovskite Solar Cell Multilayer Structures. <i>ACS Applied Energy Materials</i> , 2022, 5, 6011-6018.	5.1	8
6	Pressure-assisted fabrication of perovskite light emitting devices. <i>AIP Advances</i> , 2021, 11, 025112.	1.3	2
7	Impact of precursor concentration on the properties of perovskite solar cells obtained from the dehydrated lead acetate precursors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, .	2.1	5
8	Annealing effects on interdiffusion in layered FA-rich perovskite solar cells. <i>AIP Advances</i> , 2021, 11, .	1.3	12
9	Failure Mechanisms of Stretchable Perovskite Light-Emitting Devices under Monotonic and Cyclic Deformations. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100435.	3.6	1
10	A study of the effects of a thermally evaporated nanoscale CsBr layer on the optoelectronic properties and stability of formamidinium-rich perovskite solar cells. <i>AIP Advances</i> , 2021, 11, 095112.	1.3	8
11	Tin Oxide Modified Titanium Dioxide as Electron Transport Layer in Formamidinium-Rich Perovskite Solar Cells. <i>Energies</i> , 2021, 14, 7870.	3.1	6
12	Failure of Stretchable Organic Solar Cells under Monotonic and Cyclic Loading. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000369.	3.6	6
13	The role of hafnium acetylacetonate buffer layer on the performance of lead halide perovskite solar cells derived from dehydrated lead acetate as Pb source. <i>AIP Advances</i> , 2020, 10, .	1.3	1