Richard K Koech

List of Publications by Year
in descending order

13 papers	64 citations	1478505 6 h-index	1588992 8 g-index
13 all docs	13 docs citations	13 times ranked	33 citing authors

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