

Nicola Courtier

List of Publications by Year in descending order

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papers

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g-index

9
all docs

9
docs citations

9
times ranked

698
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic derivation of a surface polarisation model for planar perovskite solar cells “CORRIGENDUM. European Journal of Applied Mathematics, 2020, 31, 183-184.	2.9	0
2	Identification of recombination losses and charge collection efficiency in a perovskite solar cell by comparing impedance response to a drift-diffusion model. Nanoscale, 2020, 12, 17385-17398.	5.6	43
3	Interpreting Ideality Factors for Planar Perovskite Solar Cells: Ectypal Diode Theory for Steady-State Operation. Physical Review Applied, 2020, 14, .	3.8	42
4	Deducing transport properties of mobile vacancies from perovskite solar cell characteristics. Journal of Applied Physics, 2020, 128, .	2.5	25
5	Systematic derivation of a surface polarisation model for planar perovskite solar cells. European Journal of Applied Mathematics, 2019, 30, 427-457.	2.9	22
6	IonMonger: a free and fast planar perovskite solar cell simulator with coupled ion vacancy and charge carrier dynamics. Journal of Computational Electronics, 2019, 18, 1435-1449.	2.5	42
7	How transport layer properties affect perovskite solar cell performance: insights from a coupled charge transport/ion migration model. Energy and Environmental Science, 2019, 12, 396-409.	30.8	184
8	The Role of Surface Recombination on the Performance of Perovskite Solar Cells: Effect of Morphology and Crystalline Phase of TiO_2 Contact. Advanced Materials Interfaces, 2018, 5, 1801076.	3.7	30
9	A fast and robust numerical scheme for solving models of charge carrier transport and ion vacancy motion in perovskite solar cells. Applied Mathematical Modelling, 2018, 63, 329-348.	4.2	51