

# Nicola Courtier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5130949/publications.pdf>

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9  
papers

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citations

1163117

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1588992

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9  
docs citations

9  
times ranked

698  
citing authors

#	ARTICLE	IF	CITATIONS
1	How transport layer properties affect perovskite solar cell performance: insights from a coupled charge transport/ion migration model. <i>Energy and Environmental Science</i> , 2019, 12, 396-409.	30.8	184
2	A fast and robust numerical scheme for solving models of charge carrier transport and ion vacancy motion in perovskite solar cells. <i>Applied Mathematical Modelling</i> , 2018, 63, 329-348.	4.2	51
3	Identification of recombination losses and charge collection efficiency in a perovskite solar cell by comparing impedance response to a drift-diffusion model. <i>Nanoscale</i> , 2020, 12, 17385-17398.	5.6	43
4	IonMonger: a free and fast planar perovskite solar cell simulator with coupled ion vacancy and charge carrier dynamics. <i>Journal of Computational Electronics</i> , 2019, 18, 1435-1449.	2.5	42
5	Interpreting Ideality Factors for Planar Perovskite Solar Cells: Ectypal Diode Theory for Steady-State Operation. <i>Physical Review Applied</i> , 2020, 14, .	3.8	42
6	The Role of Surface Recombination on the Performance of Perovskite Solar Cells: Effect of Morphology and Crystalline Phase of $\text{TiO}_2$ Contact. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801076.	3.7	30
7	Deducing transport properties of mobile vacancies from perovskite solar cell characteristics. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	25
8	Systematic derivation of a surface polarisation model for planar perovskite solar cells. <i>European Journal of Applied Mathematics</i> , 2019, 30, 427-457.	2.9	22
9	Systematic derivation of a surface polarisation model for planar perovskite solar cells " CORRIGENDUM. <i>European Journal of Applied Mathematics</i> , 2020, 31, 183-184.	2.9	0