

# James Cave

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6013607/publications.pdf>

Version: 2024-02-01

8  
papers

414  
citations

1163117

8  
h-index

1588992

8  
g-index

9  
all docs

9  
docs citations

9  
times ranked

891  
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	Measurement and modelling of dark current decay transients in perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 452-462.	5.5	64
3	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
4	Utilizing Energy Transfer in Binary and Ternary Bulk Heterojunction Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20928-20937.	8.0	32
5	The Role of Surface Recombination on the Performance of Perovskite Solar Cells: Effect of Morphology and Crystalline Phase of TiO <sub>2</sub> Contact. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801076.	3.7	30
6	Engineering Two-Phase and Three-Phase Microstructures from Water-Based Dispersions of Nanoparticles for Eco-Friendly Polymer Solar Cell Applications. <i>Chemistry of Materials</i> , 2018, 30, 6521-6531.	6.7	25
7	Deducing transport properties of mobile vacancies from perovskite solar cell characteristics. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	25
8	Trinidadian guppies use a social heuristic that can support cooperation among non-kin. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200487.	2.6	12