

# Matthew J Smiles

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8392626/publications.pdf>

Version: 2024-02-01

12  
papers

323  
citations

1040056

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1474206

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12  
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12  
docs citations

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times ranked

367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotype Heterojunction Solar Cells Using n-Type Sb <sub>2</sub> Se <sub>3</sub> Thin Films. Chemistry of Materials, 2020, 32, 2621-2630.	6.7	83
2	Resonant Ta Doping for Enhanced Mobility in Transparent Conducting SnO <sub>2</sub> . Chemistry of Materials, 2020, 32, 1964-1973.	6.7	50
3	GeSe: Optical Spectroscopy and Theoretical Study of a van der Waals Solar Absorber. Chemistry of Materials, 2020, 32, 3245-3253.	6.7	48
4	Natural Band Alignments and Band Offsets of Sb <sub>2</sub> Se <sub>3</sub> Solar Cells. ACS Applied Energy Materials, 2020, 3, 11617-11626.	5.1	40
5	Influence of Polymorphism on the Electronic Structure of Ga <sub>2</sub> O <sub>3</sub> . Chemistry of Materials, 2020, 32, 8460-8470.	6.7	35
6	Sb 5s <sup>2</sup> lone pairs and band alignment of Sb <sub>2</sub> Se <sub>3</sub> : a photoemission and density functional theory study. Journal of Materials Chemistry C, 2020, 8, 12615-12622.	5.5	19
7	Ge 4s <sup>2</sup> lone pairs and band alignments in GeS and GeSe for photovoltaics. Journal of Materials Chemistry A, 2021, 9, 22440-22452.	10.3	15
8	Band alignment of Sb <sub>2</sub> O <sub>3</sub> and Sb <sub>2</sub> Se <sub>3</sub> . Journal of Applied Physics, 2021, 129, .	2.5	15
9	Sn 5s <sup>2</sup> lone pairs and the electronic structure of tin sulphides: A photoreflectance, high-energy photoemission, and theoretical investigation. Physical Review Materials, 2020, 4, .	2.4	11
10	GeSe photovoltaics: doping, interfacial layer and devices. Faraday Discussions, 0, 239, 250-262.	3.2	6
11	Insights into post-growth doping and proposals for CdTe:In photovoltaic devices. JPhys Energy, 0, , .	5.3	1
12	Next steps in the footprint project: A feasibility study of installing solar panels on Bath Abbey. Energy Science and Engineering, 0, , .	4.0	0