

Matthew J Smiles

List of Publications by Year in descending order

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12
papers

323
citations

1040056

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1474206

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12
all docs

12
docs citations

12
times ranked

367
citing authors

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