

Jack E N Swallow

List of Publications by Year in descending order

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14
papers

530
citations

840776

11
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1125743

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14
all docs

14
docs citations

14
times ranked

659
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Compensation in Transparent Conducting F-doped SnO ₂ . <i>Advanced Functional Materials</i> , 2018, 28, 1701900.	14.9	85
2	Isotype Heterojunction Solar Cells Using n-Type Sb ₂ Se ₃ Thin Films. <i>Chemistry of Materials</i> , 2020, 32, 2621-2630.	6.7	83
3	Resonant doping for high mobility transparent conductors: the case of Mo-doped In ₂ O ₃ . <i>Materials Horizons</i> , 2020, 7, 236-243.	12.2	64
4	Resonant Ta Doping for Enhanced Mobility in Transparent Conducting SnO ₂ . <i>Chemistry of Materials</i> , 2020, 32, 1964-1973.	6.7	50
5	Indium Gallium Oxide Alloys: Electronic Structure, Optical Gap, Surface Space Charge, and Chemical Trends within Common-Cation Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2807-2819.	8.0	50
6	GeSe: Optical Spectroscopy and Theoretical Study of a van der Waals Solar Absorber. <i>Chemistry of Materials</i> , 2020, 32, 3245-3253.	6.7	48
7	Natural Band Alignments and Band Offsets of Sb ₂ Se ₃ Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 11617-11626.	5.1	40
8	Influence of Polymorphism on the Electronic Structure of Ga ₂ O ₃ . <i>Chemistry of Materials</i> , 2020, 32, 8460-8470.	6.7	35
9	Sb 5s ² lone pairs and band alignment of Sb ₂ Se ₃ : a photoemission and density functional theory study. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12615-12622.	5.5	19
10	Ge 4s ² lone pairs and band alignments in GeS and GeSe for photovoltaics. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22440-22452.	10.3	15
11	Band alignment of Sb ₂ O ₃ and Sb ₂ Se ₃ . <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	15
12	Understanding metal organic chemical vapour deposition of monolayer WS ₂ : the enhancing role of Au substrate for simple organosulfur precursors. <i>Nanoscale</i> , 2020, 12, 22234-22244.	5.6	13
13	Sn 5s ² lone pairs and the electronic structure of tin sulphides: A photoreflectance, high-energy photoemission, and theoretical investigation. <i>Physical Review Materials</i> , 2020, 4, .	2.4	11
14	Enclosed Cells for Extending Soft X-ray Spectroscopies to Atmospheric Pressures and Above. <i>ACS Symposium Series</i> , 0, , 175-218.	0.5	2