

Maxwell Thomas Dylla

List of Publications by Year in descending order

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Version: 2024-02-01

7
papers

446
citations

1307594

7
h-index

1720034

7
g-index

7
all docs

7
docs citations

7
times ranked

805
citing authors

#	ARTICLE	IF	CITATIONS
1	Skutterudite with graphene-modified grain-boundary complexion enhances zT enabling high-efficiency thermoelectric device. <i>Energy and Environmental Science</i> , 2017, 10, 183-191.	30.8	252
2	Analytical Models of Phonon-Point-Defect Scattering. <i>Physical Review Applied</i> , 2020, 13, .	3.8	55
3	When band convergence is not beneficial for thermoelectrics. <i>Nature Communications</i> , 2021, 12, 3425.	12.8	51
4	Graphene/Strontium Titanate: Approaching Single Crystal-Like Charge Transport in Polycrystalline Oxide Perovskite Nanocomposites through Grain Boundary Engineering. <i>Advanced Functional Materials</i> , 2020, 30, 1910079.	14.9	37
5	Thermopower-conductivity relation for distinguishing transport mechanisms: Polaron hopping in CeO ₂ and band conduction in SrTiO ₃ . <i>Physical Review B</i> , 2018, 97, .	3.2	26
6	Effect of Two-Dimensional Crystal Orbitals on Fermi Surfaces and Electron Transport in Three-Dimensional Perovskite Oxides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5503-5512.	13.8	17
7	Effect of Two-Dimensional Crystal Orbitals on Fermi Surfaces and Electron Transport in Three-Dimensional Perovskite Oxides. <i>Angewandte Chemie</i> , 2019, 131, 5557-5566.	2.0	8