

Eric B Isaacs

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

442
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

837
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the strongly constrained and appropriately normed density functional for solid-state materials. <i>Physical Review Materials</i> , 2018, 2, .	2.4	155
2	Electronic correlations in monolayer VS_2 . <i>Physical Review B</i> , 2016, 94, .	2.4	10
3	Relating Trends in First-Principles Electronic Structure and Open-Circuit Voltage in Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2531-2537.	4.6	45
4	High performance thermoelectric module through isotype bulk heterojunction engineering of skutterudite materials. <i>Nano Energy</i> , 2019, 66, 104193.	16.0	40
5	Inverse Band Structure Design via Materials Database Screening: Application to Square Planar Thermoelectrics. <i>Chemistry of Materials</i> , 2018, 30, 1540-1546.	6.7	29
6	Ideal strength and phonon instability of strained monolayer materials. <i>Physical Review B</i> , 2014, 89, .	3.2	26
7	Electronic Structure and Phase Stability of Yb-Filled CoSb_3 Skutterudite Thermoelectrics from First-Principles. <i>Chemistry of Materials</i> , 2019, 31, 6154-6162.	6.7	17
8	Prediction of Li intercalation voltages in rechargeable battery cathode materials: Effects of exchange-correlation functional, van der Waals interactions, and Hubbard U . <i>Physical Review Materials</i> , 2020, 4, .	2.4	15
9	Compositional phase stability of strongly correlated electron materials within DFT+ U . <i>Physical Review B</i> , 2017, 95, .	3.2	11
10	Inverse Design of Ultralow Lattice Thermal Conductivity Materials via Materials Database Screening of Lone Pair Cation Coordination Environment. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5577-5583.	4.6	11
11	Remarkable thermoelectric performance in BaPdS_2 via pudding-mold band structure, band convergence, and ultralow lattice thermal conductivity. <i>Physical Review Materials</i> , 2019, 3, .	2.4	11
12	Adsorption Characteristics and Size/Shape Dependence of Pt Clusters on the CdS Surface. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4834-4842.	3.1	10
13	Compositional phase stability of correlated electron materials within DFT+DMFT. <i>Physical Review B</i> , 2020, 102, .	3.2	6
14	Materials Informatics Approach to the Identification of One-Band Correlated Materials Analogous to the Cuprates. <i>Physical Review X</i> , 2019, 9, .	8.9	4
15	Assessing the accuracy of compound formation energies with quantum Monte Carlo. <i>Physical Review B</i> , 2022, 105, .	3.2	2