

# Eric B Isaacs

## List of Publications by Year in descending order

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15  
papers

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933447

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docs citations

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times ranked

837  
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#	ARTICLE	IF	CITATIONS
1	Assessing the accuracy of compound formation energies with quantum Monte Carlo. Physical Review B, 2022, 105, .	3.2	2
2	Compositional phase stability of correlated electron materials within DFT+DMFT. Physical Review B, 2020, 102, .	3.2	6
3	Inverse Design of Ultralow Lattice Thermal Conductivity Materials via Materials Database Screening of Lone Pair Cation Coordination Environment. Journal of Physical Chemistry Letters, 2020, 11, 5577-5583.	4.6	11
4	Prediction of Li intercalation voltages in rechargeable battery cathode materials: Effects of exchange-correlation functional, van der Waals interactions, and Hubbard $U$ . Physical Review Materials, 2020, 4, .	2.4	15
5	Electronic Structure and Phase Stability of Yb-Filled $\text{CoSb}_3$ Skutterudite Thermoelectrics from First-Principles. Chemistry of Materials, 2019, 31, 6154-6162.	6.7	17
6	High performance thermoelectric module through isotype bulk heterojunction engineering of skutterudite materials. Nano Energy, 2019, 66, 104193.	16.0	40
7	Materials Informatics Approach to the Identification of One-Band Correlated Materials Analogous to the Cuprates. Physical Review X, 2019, 9, .	8.9	4
8	Remarkable thermoelectric performance in $\text{BaPdS}_2$ via pudding-mold band structure, band convergence, and ultralow lattice thermal conductivity. Physical Review Materials, 2019, 3, .	2.4	11
9	Inverse Band Structure Design via Materials Database Screening: Application to Square Planar Thermoelectrics. Chemistry of Materials, 2018, 30, 1540-1546.	6.7	29
10	Performance of the strongly constrained and appropriately normed density functional for solid-state materials. Physical Review Materials, 2018, 2, .	2.4	155
11	Compositional phase stability of strongly correlated electron materials within DFT+ $U$ . Physical Review B, 2017, 95, .	3.2	11
12	Electronic correlations in monolayer $\text{VS}_2$ . Physical Review B, 2016, 94, .	3.2	10
13	Adsorption Characteristics and Size/Shape Dependence of Pt Clusters on the CdS Surface. Journal of Physical Chemistry C, 2015, 119, 4834-4842.	3.1	10
14	Ideal strength and phonon instability of strained monolayer materials. Physical Review B, 2014, 89, .	3.2	26
15	Relating Trends in First-Principles Electronic Structure and Open-Circuit Voltage in Organic Photovoltaics. Journal of Physical Chemistry Letters, 2011, 2, 2531-2537.	4.6	45