

Shyam S Dwaraknath

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,704
citations

361413

20
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

2850
citing authors

#	ARTICLE	IF	CITATIONS
19	Enabling materials informatics for ²⁹ Si solid-state NMR of crystalline materials. Npj Computational Materials, 2020, 6, .	8.7	11
20	Origin of Disorder Tolerance in Piezoelectric Materials and Design of Polar Systems. Chemistry of Materials, 2020, 32, 2836-2842.	6.7	4
21	propnet: A Knowledge Graph for Materials Science. Matter, 2020, 2, 464-480.	10.0	34
22	The existence and impact of persistent ferroelectric domains in MAPbI ₃ . Science Advances, 2019, 5, eaas9311.	10.3	77
23	High-throughput density-functional perturbation theory phonons for inorganic materials. Scientific Data, 2018, 5, 180065.	5.3	122
24	Accelerating the discovery of materials for clean energy in the era of smart automation. Nature Reviews Materials, 2018, 3, 5-20.	48.7	489
25	Thermodynamic limit for synthesis of metastable inorganic materials. Science Advances, 2018, 4, eaaq0148.	10.3	212
26	The Materials Project: Accelerating Materials Design Through Theory-Driven Data and Tools. , 2018, , 1-34.		11
27	Assessing High-Throughput Descriptors for Prediction of Transparent Conductors. Chemistry of Materials, 2018, 30, 8375-8389.	6.7	60
28	Harnessing the Materials Project for machine-learning and accelerated discovery. MRS Bulletin, 2018, 43, 664-669.	3.5	20
29	Evaluation of thermodynamic equations of state across chemistry and structure in the materials project. Npj Computational Materials, 2018, 4, .	8.7	32
30	Theory-Guided Synthesis of a Metastable Lead-Free Piezoelectric Polymorph. Advanced Materials, 2018, 30, 1800559.	21.0	6
31	Multiple ion beam irradiation for the study of radiation damage in materials. Nuclear Instruments & Methods in Physics Research B, 2017, 412, 1-10.	1.4	39
32	Computational Approach for Epitaxial Polymorph Stabilization through Substrate Selection. ACS Applied Materials & Interfaces, 2016, 8, 13086-13093.	8.0	78
33	The diffusion of cesium, strontium, and europium in silicon carbide. Journal of Nuclear Materials, 2016, 476, 155-167.	2.7	19
34	Radiation enhanced diffusion of cesium, strontium, and europium in silicon carbide. Journal of Nuclear Materials, 2016, 474, 76-87.	2.7	15
35	A Multi-Pinhole Faraday Cup Device for Measurement of Discrete Charge Distribution of Heavy and Light Ions. IEEE Transactions on Nuclear Science, 2016, 63, 854-860.	2.0	2
36	Development of a multi-layer diffusion couple to study fission product transport in ¹² C-SiC. Journal of Nuclear Materials, 2014, 444, 170-174.	2.7	15