

Fenglin Yuan

List of Publications by Year in descending order

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14
papers

533
citations

759055

12
h-index

1125617

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g-index

14
all docs

14
docs citations

14
times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the structural origin of low thermal expansion coefficient of fused silica. <i>Materialia</i> , 2020, 12, 100752.	1.3	15
2	Fast, accurate, and transferable many-body interatomic potentials by symbolic regression. <i>Npj Computational Materials</i> , 2019, 5, .	3.5	45
3	Tailoring structure and properties of silica glass aided by computer simulation. <i>Journal of Materials Research</i> , 2017, 32, 174-182.	1.2	14
4	Identifying models of dielectric breakdown strength from high-throughput data via genetic programming. <i>Scientific Reports</i> , 2017, 7, 17594.	1.6	21
5	Segregation and Migration of the Oxygen Vacancies in the Σ (111) Tilt Grain Boundaries of Ceria. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6625-6632.	1.5	11
6	Structure and Properties of Silica Glass Densified in Cold Compression and Hot Compression. <i>Scientific Reports</i> , 2015, 5, 15343.	1.6	112
7	<i>Ab initio</i> molecular dynamics investigations of low-energy recoil events in Ni and NiCo. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 435006.	0.7	14
8	Vacancy-Vacancy Interaction Induced Oxygen Diffusivity Enhancement in Undoped Nonstoichiometric Ceria. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13153-13159.	1.5	13
9	Intrinsic ductility of glassy solids. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	70
10	Brittle to Ductile Transition in Densified Silica Glass. <i>Scientific Reports</i> , 2014, 4, 5035.	1.6	119
11	Size-dependent elasticity of amorphous silica nanowire: A molecular dynamics study. <i>Applied Physics Letters</i> , 2013, 103, 201905.	1.5	13
12	$\pm 1^2$ and disorder in Σ cristobalite silica. <i>Physical Review B</i> , 2012, 85, .	1.1	17
13	Molecular dynamics simulation of amorphous silica under uniaxial tension: From bulk to nanowire. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 3481-3487.	1.5	69
14	Designing Glasses with Tunable Structure and Properties by Computer Simulation. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1229, 80801.	0.1	0