

Fenglin Yuan

List of Publications by Year in descending order

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14
papers

533
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759055

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docs citations

14
times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	Brittle to Ductile Transition in Densified Silica Glass. Scientific Reports, 2014, 4, 5035.	1.6	119
2	Structure and Properties of Silica Glass Densified in Cold Compression and Hot Compression. Scientific Reports, 2015, 5, 15343.	1.6	112
3	Intrinsic ductility of glassy solids. Journal of Applied Physics, 2014, 115, .	1.1	70
4	Molecular dynamics simulation of amorphous silica under uniaxial tension: From bulk to nanowire. Journal of Non-Crystalline Solids, 2012, 358, 3481-3487.	1.5	69
5	Fast, accurate, and transferable many-body interatomic potentials by symbolic regression. Npj Computational Materials, 2019, 5, .	3.5	45
6	Identifying models of dielectric breakdown strength from high-throughput data via genetic programming. Scientific Reports, 2017, 7, 17594.	1.6	21
7	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\epsilon} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \hat{2} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ transition and disorder in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{2} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -cristobalite silica. Physical Review B, 2012, 85, .	1.1	17
8	Investigation on the structural origin of low thermal expansion coefficient of fused silica. Materialia, 2020, 12, 100752.	1.3	15
9	<i>Ab initio</i> molecular dynamics investigations of low-energy recoil events in Ni and NiCo. Journal of Physics Condensed Matter, 2015, 27, 435006.	0.7	14
10	Tailoring structure and properties of silica glass aided by computer simulation. Journal of Materials Research, 2017, 32, 174-182.	1.2	14
11	Size-dependent elasticity of amorphous silica nanowire: A molecular dynamics study. Applied Physics Letters, 2013, 103, 201905.	1.5	13
12	Vacancy-Vacancy Interaction Induced Oxygen Diffusivity Enhancement in Undoped Nonstoichiometric Ceria. Journal of Physical Chemistry C, 2015, 119, 13153-13159.	1.5	13
13	Segregation and Migration of the Oxygen Vacancies in the $\sqrt{3} \times \sqrt{3}$ (111) Tilt Grain Boundaries of Ceria. Journal of Physical Chemistry C, 2016, 120, 6625-6632.	1.5	11
14	Designing Glasses with Tunable Structure and Properties by Computer Simulation. Materials Research Society Symposia Proceedings, 2009, 1229, 80801.	0.1	0