

Swarnava Ghosh

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

268
citations

1478505

6
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1588992

8
g-index

9
all docs

9
docs citations

9
times ranked

129
citing authors

#	ARTICLE	IF	CITATIONS
1	SPARC: Accurate and efficient finite-difference formulation and parallel implementation of Density Functional Theory: Extended systems. <i>Computer Physics Communications</i> , 2017, 216, 109-125.	7.5	109
2	SPARC: Accurate and efficient finite-difference formulation and parallel implementation of Density Functional Theory: Isolated clusters. <i>Computer Physics Communications</i> , 2017, 212, 189-204.	7.5	71
3	Higher-order finite-difference formulation of periodic Orbital-free Density Functional Theory. <i>Journal of Computational Physics</i> , 2016, 307, 634-652.	3.8	38
4	Symmetry-adapted real-space density functional theory for cylindrical geometries: Application to large group-IV nanotubes. <i>Physical Review B</i> , 2019, 100, .	3.2	27
5	Electronic structure study regarding the influence of macroscopic deformations on the vacancy formation energy in aluminum. <i>Mechanics Research Communications</i> , 2019, 99, 58-63.	1.8	8
6	Machine-learned prediction of the electronic fields in a crystal. <i>Mechanics of Materials</i> , 2021, 163, 104070.	3.2	7
7	Influence of thermomechanical loads on the energetics of precipitation in magnesium aluminum alloys. <i>Acta Materialia</i> , 2020, 193, 28-39.	7.9	4
8	Spectral quadrature for the first principles study of crystal defects: Application to magnesium. <i>Journal of Computational Physics</i> , 2022, 456, 111035.	3.8	4
9	Precipitation during creep in magnesium–aluminum alloys. <i>Continuum Mechanics and Thermodynamics</i> , 2021, 33, 2363-2374.	2.2	0