Marcin MaÅºdziarz

List of Publications by Year
in descending order

20	281	1040056 9	888059 17
papers	citations	h-index	g-index

22	22	22	321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transferability of Molecular Potentials for 2D Molybdenum Disulphide. Materials, 2021, 14, 519.	2.9	6
2	New Zirconium Diboride Polymorphsâ€"First-Principles Calculations. Materials, 2020, 13, 3022.	2.9	8
3	Elastic properties of nanocrystalline materials of hexagonal symmetry: The core-shell model and atomistic estimates. International Journal of Engineering Science, 2020, 157, 103393.	5.0	5
4	Comment on â€˜The Computational 2D Materials Database: high-throughput modeling and discovery of atomically thin crystalsâ€™. 2D Materials, 2019, 6, 048001.	4.4	103
5	Effective stiffness tensor of nanocrystalline materials of cubic symmetry: The core-shell model and atomistic estimates. International Journal of Engineering Science, 2019, 144, 103134.	5.0	6
6	On the applicability of elastic model to very thin crystalline layers. Journal of Physics: Conference Series, 2019, 1190, 012017.	0.4	0
7	Multiscale modeling of pressure-assisted sintering. Computational Materials Science, 2019, 156, 385-395.	3.0	14
8	A comment on the article â€œAb initio calculations of pressure-dependence of high-order elastic constants using finite deformations approachâ€•by I. Mosyagin, A.V. Lugovskoy, O.M. Krasilnikov, Yu.Kh. Vekilov, S.I. Simak and I.A. Abrikosov [Computer Physics Communications 220 (2017) 20â€“30]. Computer Physics Communications, 2019, 235, 293-294.	7.5	2
9	Atomistic and mean-field estimates of effective stiffness tensor of nanocrystalline copper. International Journal of Engineering Science, 2018, 129, 47-62.	5.0	5
10	Anisotropic-Cyclicgraphene: A New Two-Dimensional Semiconducting Carbon Allotrope. Materials, 2018, 11, 432.	2.9	11
11	Molecular dynamics study of self-diffusion in stoichiometric B2-NiAl crystals. Philosophical Magazine, 2018, 98, 2257-2274.	1.6	5
12	Modeling of a Sintering Process at Various Scales. Procedia Engineering, 2017, 177, 263-270.	1.2	37
13	First-principles study of new X-graphene and Y-graphene polymorphs generated by the two stage strategy. Materials Chemistry and Physics, 2017, 202, 7-14.	4.0	14
14	ESTIMATION OF MICROMECHANICAL NiAl SINTERING MODEL PARAMETERS FROM THE MOLECULAR SIMULATIONS. International Journal for Multiscale Computational Engineering, 2017, 15, 343-358.	1.2	4
15	Hybrid reciprocal lattice: application to layer stress determination in GaAlN/GaN(0001) systems with patterned substrates. Journal of Applied Crystallography, 2016, 49, 798-805.	4.5	11
16	Structural, mechanical and optical properties of potentially superhard WBx polymorphs from first principles calculations. Materials Chemistry and Physics, 2016, 179, 92-102.	4.0	18
17	Structural, mechanical, optical, thermodynamical and phonon properties of stable ReB 2 polymorphs from density functional calculations. Journal of Alloys and Compounds, 2016, 657, 878-888.	5.5	15
18	DISLOCATION CORE RECONSTRUCTION BASED ON FINITE DEFORMATION APPROACH AND ITS APPLICATION TO 4H-SiC CRYSTAL. International Journal for Multiscale Computational Engineering, 2014, 12, 411-421.	1.2	2

#	Article	IF	Citations
19	Computer Modeling of Nanoindentation in the Limits of a Coupled Molecular-Statics and Elastic Scheme. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1172-1181.	0.4	10
20	Selected contact problems in human joints after arthroplasty. , 2006, , 383-384.		0