Evgeny V Podryabinkin

List of Publications by Year
in descending order

21 papers	1,915 citations	567281 15 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	1549 citing authors

#	Article	IF	Citations
1	Nanohardness from First Principles with Active Learning on Atomic Environments. Journal of Chemical Theory and Computation, 2022, 18, 1109-1121.	5.3	10
2	Accelerating first-principles estimation of thermal conductivity by machine-learning interatomic potentials: A MTP/ShengBTE solution. Computer Physics Communications, 2021, 258, 107583.	7.5	108
3	First‐Principles Multiscale Modeling of Mechanical Properties in Graphene/Borophene Heterostructures Empowered by Machine‐Learning Interatomic Potentials. Advanced Materials, 2021, 33, e2102807.	21.0	171
4	The MLIP package: moment tensor potentials with MPI and active learning. Machine Learning: Science and Technology, 2021, 2, 025002.	5.0	181
5	Exploring phononic properties of two-dimensional materials using machine learning interatomic potentials. Applied Materials Today, 2020, 20, 100685.	4.3	96
6	High thermal conductivity in semiconducting Janus and non-Janus diamanes. Carbon, 2020, 167, 51-61.	10.3	39
7	Machine-learning interatomic potentials enable first-principles multiscale modeling of lattice thermal conductivity in graphene/borophene heterostructures. Materials Horizons, 2020, 7, 2359-2367.	12.2	124
8	Efficient machine-learning based interatomic potentialsfor exploring thermal conductivity in two-dimensional materials. JPhys Materials, 2020, 3, 02LT02.	4.2	32
9	Young's Modulus and Tensile Strength of Ti_3C_2 MXene Nanosheets As Revealed by *In Situ* TEM Probing, AFM Nanomechanical Mapping, and Theoretical Calculations. Nano Letters, 2020, 20, 5900-5908.	9.1	88
10	Active Learning and Uncertainty Estimation. Lecture Notes in Physics, 2020, , 309-329.	0.7	13
11	Elinvar effect in β-Ti simulated by on-the-fly trained moment tensor potential. New Journal of Physics, 2020, 22, 113005.	2.9	20
12	Accelerating crystal structure prediction by machine-learning interatomic potentials with active learning. Physical Review B, 2019, 99, .	3.2	229
13	Moment tensor potentials as a promising tool to study diffusion processes. Computational Materials Science, 2019, 164, 46-56.	3.0	65
14	Accelerating high-throughput searches for new alloys with active learning of interatomic potentials. Computational Materials Science, 2019, 156, 148-156.	3.0	218
15	Machine learning of molecular properties: Locality and active learning. Journal of Chemical Physics, 2018, 148, 241727.	3.0	116
16	Modeling of steady Herschel–Bulkley fluid flow over a sphere. Journal of Engineering Thermophysics, 2017, 26, 197-215.	1.4	16
17	Active learning of linearly parametrized interatomic potentials. Computational Materials Science, 2017, 140, 171-180.	3.0	360
18	Evaluation of Pressure Change While Steady-State Tripping. , 2014, , .		3

#	Article	IF	Citations
19	Modeling of turbulent annular flows of Hershel-Bulkley fluids with eccentricity and inner cylinder rotation. Journal of Engineering Thermophysics, 2014, 23, 137-147.	1.4	6
20	Detailed Modeling of Drilling Fluid Flow in a Wellbore Annulus While Drilling. , 2013, , .		8
21	Moment and forces exerted on the inner cylinder in eccentric annular flow. Journal of Engineering Thermophysics, 2011, 20, 320-328.	1.4	12