Haidi Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9464070/publications.pdf

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18	771	1040056 9	839539 18
papers	citations	h-index	g-index

18	18	18	831
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DP-GEN: A concurrent learning platform for the generation of reliable deep learning based potential energy models. Computer Physics Communications, 2020, 253, 107206.	7.5	271
2	Î´-Phosphorene: a two dimensional material with a highly negative Poisson's ratio. Nanoscale, 2017, 9, 850-855.	5.6	150
3	BP ₅ monolayer with multiferroicity and negative Poissonâ€™s ratio: a prediction by global optimization method. 2D Materials, 2017, 4, 045020.	4.4	83
4	Ï‵-Phosphorene: a new allotrope of phosphorene. Physical Chemistry Chemical Physics, 2017, 19, 2402-2408.	2.8	65
5	Penta-Pt₂N₄: an ideal two-dimensional material for nanoelectronics. Nanoscale, 2018, 10, 16169-16177.	5.6	58
6	Development of a deep machine learning interatomic potential for metalloid-containing Pd-Si compounds. Physical Review B, 2019, 100, .	3.2	39
7	Pressure-induced organic topological nodal-line semimetal in the three-dimensional molecular crystal Pd(dddt)2. Physical Review B, 2018, 97, .	3.2	21
8	First-principles study of two dimensional C₃N and its derivatives. RSC Advances, 2020, 10, 33469-33474.	3.6	15
9	Crystal Structure Prediction of Binary Alloys via Deep Potential. Frontiers in Chemistry, 2020, 8, 589795.	3.6	11
10	Discovering rare-earth-free magnetic materials through the development of a database. Physical Review Materials, 2020, 4, .	2.4	11
11	Two-Dimensional Auxetic GeSe₂ Material with Ferroelasticity and Flexoelectricity. Journal of Physical Chemistry C, 2021, 125, 19666-19672.	3.1	9
12	Crystallization of the P₃Sn₄ Phase upon Cooling P₂Sn₅ Liquid by Molecular Dynamics Simulation Using a Machine Learning Interatomic Potential. Journal of Physical Chemistry C, 2021, 125, 3127-3133.	3.1	7
13	Penta-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e496" altimg="si15.svg"><mml:mrow><mml:mi>C</mml:mi><mml:msub><mml:mrow><mml:mi>N</mml:mi></mml:mrow><mml:mrow><mml:mn> revisited: Superior stability, synthesis condition exploration, negative Poissonâ€™s ratio and quasi-flat bands. Applied Surface Science, 2022, 585, 152536.	6.1	7
14	Substantial and stable magnetoresistance and spin conductance in phosphorene-based spintronic devices with Co electrodes. Physical Chemistry Chemical Physics, 2021, 23, 10573-10579.	2.8	6
15	Structural and electrocatalytic properties of copper clusters: A study via deep learning and first principles. Journal of Chemical Physics, 2022, 157, .	3.0	6
16	Anharmonic Raman spectra simulation of crystals from deep neural networks. AIP Advances, 2021, 11, 035105.	1.3	5
17	High-Throughput Computational Screening for Bipolar Magnetic Semiconductors. Research, 2022, 2022, 9857631.	5.7	4
18	Electronic, Optical, and Mechanical Properties of Diamond Nanowires Encapsulated in Carbon Nanotubes: A First-Principles View. Journal of Physical Chemistry C, 2017, 121, 3661-3672.	3.1	3