

Haifeng Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6058237/publications.pdf>

Version: 2024-02-01

27
papers

1,778
citations

430874

18
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

3672
citing authors

#	ARTICLE	IF	CITATIONS
1	Li-decorated porous hydrogen substituted graphyne: A new member of promising hydrogen storage medium. Applied Surface Science, 2021, 535, 147683.	6.1	36
2	Tuning electronic properties in the C3N/C3B lateral heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114497.	2.7	4
3	Tuning electronic structure and optical properties of C3N by B doping. Physica B: Condensed Matter, 2020, 577, 411807.	2.7	2
4	Electronic structures and charge carrier mobilities of boron-graphdiyne sheet and nanoribbons. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114354.	2.7	6
5	Unusual mechanical and electronic behaviors of bulk layered hydrogen substituted graphdiyne under biaxial strain. Applied Surface Science, 2020, 513, 145694.	6.1	13
6	Palladium diselenide as a direct absorption saturable absorber for ultrafast mode-locked operations: from all anomalous dispersion to all normal dispersion. Nanophotonics, 2020, 9, 4295-4306.	6.0	100
7	Comparative investigation of the mechanical, electrical and thermal transport properties in graphene-like C3B and C3N. Journal of Applied Physics, 2019, 126, .	2.5	32
8	Improved Transport Properties and Novel Li Diffusion Dynamics in van der Waals C ₂ N/Graphene Heterostructure as Anode Materials for Lithium-Ion Batteries: A First-Principles Investigation. Journal of Physical Chemistry C, 2019, 123, 3353-3367.	3.1	43
9	Unique mechanical responses of layered phosphorus-like group-IV monochalcogenides. Journal of Applied Physics, 2019, 125, 082519.	2.5	8
10	Anisotropic carrier mobility in single- and bi-layer C ₃ N sheets. Physica B: Condensed Matter, 2018, 537, 314-319.	2.7	38
11	First-principles study of intrinsic phononic thermal transport in monolayer C3N. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 99, 194-201.	2.7	58
12	First-principles study of lattice thermal conductivity in ZrTe5 and HfTe5. Journal of Applied Physics, 2018, 123, .	2.5	19
13	Li-decorated carbon eneâ€˜yne as a potential high-capacity hydrogen storage medium. Physical Chemistry Chemical Physics, 2018, 20, 24011-24018.	2.8	7
14	Tunable electronic structures and magnetic properties of zigzag C ₃ N nanoribbons. Journal Physics D: Applied Physics, 2018, 51, 345301.	2.8	9
15	Anisotropic phonon transport and lattice thermal conductivities in tin dichalcogenides SnS ₂ and SnSe ₂ . RSC Advances, 2017, 7, 8098-8105.	3.6	50
16	In-Plane Anisotropies of Polarized Raman Response and Electrical Conductivity in Layered Tin Selenide. ACS Applied Materials & Interfaces, 2017, 9, 12601-12607.	8.0	101
17	Anisotropic intrinsic lattice thermal conductivity of borophane from first-principles calculations. Physical Chemistry Chemical Physics, 2017, 19, 2843-2849.	2.8	40
18	Cleavage tendency of anisotropic two-dimensional materials: ReX. Physical Review B, 2017, 96, .	3.2	36

#	ARTICLE	IF	CITATIONS
19	Anomalous in-plane anisotropic Raman response of monoclinic semimetal $1\text{-}\hat{\text{T}}\hat{\text{A}}\hat{\text{C}}\text{-MoTe}_2$. Scientific Reports, 2017, 7, 1758.	3.3	47
20	Li-Decorated $\hat{1}^2\hat{1}2$ -Borophene as Potential Candidates for Hydrogen Storage: A First-Principle Study. Materials, 2017, 10, 1399.	2.9	21
21	The In-Plane Anisotropy of WTe_2 Investigated by Angle-Dependent and Polarized Raman Spectroscopy. Scientific Reports, 2016, 6, 29254.	3.3	102
22	Tunable Ambipolar Polarization-Sensitive Photodetectors Based on High-Anisotropy ReSe_2 Nanosheets. ACS Nano, 2016, 10, 8067-8077.	14.6	276
23	Strain effects on borophene: ideal strength, negative Poisson's ratio and phonon instability. New Journal of Physics, 2016, 18, 073016.	2.9	174
24	The polarization-dependent anisotropic Raman response of few-layer and bulk WTe_2 under different excitation wavelengths. RSC Advances, 2016, 6, 103830-103837.	3.6	28
25	2D Monolayer MoS_2 -Carbon Interoverlapped Superstructure: Engineering Ideal Atomic Interface for Lithium Ion Storage. Advanced Materials, 2015, 27, 3687-3695.	21.0	504
26	Theoretical Study on the Reaction Mechanism of Nitrate Radical with HNO and HONO. Acta Chimica Sinica, 2012, 70, 2543.	1.4	2
27	Competition between the catalyzed birth and death in the exchange-driven growth. Physical Review E, 2007, 75, 046108.	2.1	14