

Jinbo Pan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8432076/publications.pdf>

Version: 2024-02-01

41
papers

2,198
citations

586496

16
h-index

340414

39
g-index

42
all docs

42
docs citations

42
times ranked

4178
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsically scale-free ferroelectricity in two-dimensional M ₂ X ₂ Y ₆ . Nano Research, 2022, 15, 3704-3710.	5.8	11
2	Antisite defect qubits in monolayer transition metal dichalcogenides. Nature Communications, 2022, 13, 492.	5.8	28
3	Anisotropic Carrier Mobility from 2H WSe ₂ . Advanced Materials, 2022, 34, e2108615.	11.1	11
4	Research progress of novel properties in several van der Waals ferroelectric materials. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 127305.	0.2	1
5	Rational Design of Heteroanionic Two-Dimensional Materials with Emerging Topological, Magnetic, and Dielectric Properties. Journal of Physical Chemistry Letters, 2022, , 3594-3601.	2.1	9
6	Two-dimensional MX Dirac materials and quantum spin Hall insulators with tunable electronic and topological properties. Nano Research, 2021, 14, 584-589.	5.8	14
7	Monolayer 2D semiconducting tellurides for high-mobility electronics. Physical Review Materials, 2021, 5, .	0.9	13
8	Half-auxetic effect and ferroelasticity in a two-dimensional monolayer TiSe. Journal of Physics Condensed Matter, 2021, 33, 144002.	0.7	1
9	Ultra-low Young's modulus and high super-exchange interactions in monolayer CrN: A promising candidate for flexible spintronic applications*. Chinese Physics B, 2021, 30, 047105.	0.7	3
10	Database Construction for Two-Dimensional Material-Substrate Interfaces. Chinese Physics Letters, 2021, 38, 066801.	1.3	5
11	Monolayer Iridium Sulfide Halides with High Mobility Transport Anisotropy and Highly Efficient Light Harvesting. Journal of Physical Chemistry Letters, 2021, 12, 6007-6013.	2.1	9
12	Geometric, electronic, and optical properties of MoS ₂ /WSSe van der Waals heterojunctions: a first-principles study. Nanotechnology, 2021, 32, 355705.	1.3	4
13	Magnetically active transition metal cation-substituted alumina. Nanotechnology, 2020, 31, 105703.	1.3	1
14	Quantum anomalous Hall effect in two-dimensional magnetic insulator heterojunctions. Npj Computational Materials, 2020, 6, .	3.5	24
15	Auxetic two-dimensional transition metal selenides and halides. Npj Computational Materials, 2020, 6, .	3.5	27
16	Computational Study of a Novel 2D Ferromagnetic Metal: the Ce ₂ C Monolayer. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000324.	1.2	2
17	Epitaxial fabrication of monolayer copper arsenide on Cu(111)*. Chinese Physics B, 2020, 29, 077301.	0.7	5
18	Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. Chinese Physics Letters, 2020, 37, 068103.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Construction of monolayer IrTe ₂ and the structural transition under low temperatures. Chinese Physics B, 2020, 29, 078102.	0.7	5
20	Two-Dimensional Crystals: Graphene, Silicene, Germanene, and Stanene. Springer Handbooks, 2020, , 243-266.	0.3	0
21	High current carrying and thermal conductive copper-carbon conductors. Nanotechnology, 2019, 30, 185701.	1.3	7
22	Elastic Properties and Fracture Behaviors of Biaxially Deformed, Polymorphic MoTe ₂ . Nano Letters, 2019, 19, 761-769.	4.5	67
23	Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. Advanced Materials, 2018, 30, e1804650.	11.1	86
24	Learning atoms for materials discovery. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6411-E6417.	3.3	138
25	Data-driven material discovery for photocatalysis: a short review. Journal of Semiconductors, 2018, 39, 071001.	2.0	16
26	Identification of a functional point defect in SrTiO_3 . Physical Review Materials, 2018, 2, .	0.9	14
27	Direct Evidence of Dirac Signature in Bilayer Germanene Islands on Cu(111). Advanced Materials, 2017, 29, 1606046.	11.1	111
28	Interatomic Spin Coupling in Manganese Clusters Registered on Graphene. Physical Review Letters, 2017, 119, 176806.	2.9	20
29	Rational design of molecular crystals for enhanced charge transfer properties. Journal of Materials Chemistry C, 2017, 5, 12338-12342.	2.7	6
30	Prediction of Ideal Topological Semimetals with Triply Degenerate Points in the $\text{NaCu}_3\text{P}_3\text{O}_{10}$. Physical Review Letters, 2017, 119, 256402.	2.9	36
31	Tuning the Proximity Effect through Interface Engineering in a Pb/Graphene/Pt Trilayer System. ACS Nano, 2016, 10, 4520-4524.	7.3	4
32	Impurity-induced formation of bilayered graphene on copper by chemical vapor deposition. Nano Research, 2016, 9, 2803-2810.	5.8	26
33	Ferromagnetism and perfect spin filtering in transition-metal-doped graphyne nanoribbons. Physical Review B, 2015, 92, .	1.1	39
34	Lateral manipulation and interplay of local Kondo resonances in a two-impurity Kondo system. Applied Physics Letters, 2015, 107, 071604.	1.5	6
35	Monolayer PtSe ₂ , a New Semiconducting Transition-Metal-Dichalcogenide, Epitaxially Grown by Direct Selenization of Pt. Nano Letters, 2015, 15, 4013-4018.	4.5	560
36	In-Plane Intermolecular Interaction Assisted Assembly and Modified Electronic States of Metallofullerene Gd@C ₈₂ . Langmuir, 2015, 31, 11438-11442.	1.6	3

#	ARTICLE	IF	CITATIONS
37	Kondo Effect of Cobalt Adatoms on a Graphene Monolayer Controlled by Substrate-Induced Ripples. Nano Letters, 2014, 14, 4011-4015.	4.5	60
38	Buckled Germanene Formation on Pt(111). Advanced Materials, 2014, 26, 4820-4824.	11.1	770
39	Transport Properties of a Squeezed Carbon Monatomic Ring: A Route to a Negative Differential Resistance Device. Journal of Physical Chemistry C, 2011, 115, 11734-11737.	1.5	26
40	Rectifying and negative differential resistance behaviors of a functionalized Tour wire: The position effects of functional groups. Applied Physics Letters, 2011, 99, 123108.	1.5	17
41	Screening and Design of Bipolar Magnetic-Semiconducting Monolayers and Heterostructures. ACS Applied Electronic Materials, 0, , .	2.0	3