

Xu Wu

List of Publications by Year in descending order

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31
papers

1,253
citations

623734

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454955

30
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33
all docs

33
docs citations

33
times ranked

2086
citing authors

#	ARTICLE	IF	CITATIONS
1	Line defects in monolayer TiSe ₂ with adsorption of Pt atoms potentially enable excellent catalytic activity. Nano Research, 2022, 15, 4687-4692.	10.4	9
2	Visualization of Charge-Density-Wave Reconstruction and Electronic Superstructure at the Edge of Correlated Insulator 1T-NbSe ₂ . ACS Nano, 2022, 16, 1332-1338.	14.6	13
3	Charge density wave states in phase-engineered monolayer VTe ₂ . Chinese Physics B, 2022, 31, 077101.	1.4	4
4	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. Nano Research, 2021, 14, 1390-1396.	10.4	9
5	Back contact modification of the optoelectronic device with transition metal dichalcogenide VSe ₂ film drives solar cell efficiency. Journal of Materiomics, 2021, 7, 470-477.	5.7	10
6	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe ₂ . Nature Communications, 2021, 12, 1978.	12.8	45
7	Oxygen Promotes the Formation of MoSe ₂ at the Interface of Cu ₂ ZnSnSe ₄ /Mo. Journal of Physical Chemistry Letters, 2021, 12, 4447-4452.	4.6	8
8	Visualizing Spatial Evolution of Electron-Correlated Interface in Two-Dimensional Heterostructures. ACS Nano, 2021, 15, 16589-16596.	14.6	15
9	Using graphene to suppress the selenization of Pt for controllable fabrication of monolayer PtSe ₂ . Nano Research, 2020, 13, 3212-3216.	10.4	4
10	Imaging single glycans. Nature, 2020, 582, 375-378.	27.8	72
11	Spontaneous Formation of 1D Pattern in Monolayer VSe ₂ with Dispersive Adsorption of Pt Atoms for HER Catalysis. Nano Letters, 2019, 19, 4897-4903.	9.1	42
12	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. Nano Letters, 2018, 18, 2133-2139.	9.1	219
13	Epitaxially grown monolayer VSe ₂ : an air-stable magnetic two-dimensional material with low work function at edges. Science Bulletin, 2018, 63, 419-425.	9.0	92
14	Permeation through graphene ripples. 2D Materials, 2017, 4, 025010.	4.4	12
15	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and nanoclusters. Nature Materials, 2017, 16, 717-721.	27.5	150
16	Epitaxial Growth and Air-Stability of Monolayer Antimonene on PdTe ₂ . Advanced Materials, 2017, 29, 1605407.	21.0	313
17	Interatomic Spin Coupling in Manganese Clusters Registered on Graphene. Physical Review Letters, 2017, 119, 176806.	7.8	20
18	Epitaxial fabrication of two-dimensional NiSe ₂ on Ni(111) substrate. Applied Physics Letters, 2017, 111, .	3.3	29

#	ARTICLE	IF	CITATIONS
19	Spontaneous Formation of a Superconductorâ€“Topological Insulatorâ€“Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , 2016, 28, 5013-5017.	21.0	24
20	Tunable Electronic Structures in Wrinkled 2D Transitionâ€“Metalâ€“Trichalcogenide (TMT) HfTe_3 Films. <i>Advanced Electronic Materials</i> , 2016, 2, 1600324.	5.1	9
21	Lateral manipulation and interplay of local Kondo resonances in a two-impurity Kondo system. <i>Applied Physics Letters</i> , 2015, 107, 071604.	3.3	6
22	Electrochemically etched Ni tips in a constant-current mode for spin-polarized scanning tunneling microscopy. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014, 32, .	1.2	13
23	Kondo Effect of Cobalt Adatoms on a Graphene Monolayer Controlled by Substrate-Induced Ripples. <i>Nano Letters</i> , 2014, 14, 4011-4015.	9.1	60
24	Theoretical calculations of the high-pressure phases of ZnF_2 and CdF_2 . <i>European Physical Journal B</i> , 2006, 50, 521-526.	1.5	19
25	O_2 phole-assisted electronic processes in the $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x=0.0, 0.3$) system. <i>Physical Review B</i> , 2004, 70, .	3.2	26
26	Bulk GaN single crystals: growth mechanism by using Li_3N and Ga. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 29-31.	2.3	17
27	Preparation and characterization of Ca:YVO_4 single crystal. <i>Journal of Materials Science Letters</i> , 2003, 22, 157-158.	0.5	0
28	Title is missing!. <i>Journal of Materials Science Letters</i> , 1997, 16, 617-618.	0.5	5
29	Photorefractive parameters and light-induced absorption in BaTiO_3 . <i>Applied Physics A: Materials Science and Processing</i> , 1995, 61, 553-557.	2.3	3
30	Erasure of photorefractive gratings in barium titanate. <i>Journal of Applied Physics</i> , 1994, 76, 7541-7544.	2.5	3
31	Moiré Pattern Dislocation in Continuous Atomic Lattice of Monolayer h-BN. <i>ACS Applied Electronic Materials</i> , 0, , .	4.3	1