

Minghu Pan

List of Publications by Year in descending order

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38
papers

1,501
citations

623734

14
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

3401
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-doped graphene: beyond single substitution and enhanced molecular sensing. Scientific Reports, 2012, 2, 586.	3.3	563
2	Ultrasensitive gas detection of large-area boron-doped graphene. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14527-14532.	7.1	177
3	Ultrasensitive molecular sensor using N-doped graphene through enhanced Raman scattering. Science Advances, 2016, 2, e1600322.	10.3	174
4	Anisotropic magnetotransport and exotic longitudinal linear magnetoresistance in WTe ₂ crystals. Physical Review B, 2015, 92, .	3.2	156
5	Self-assembly directed one-step synthesis of [4]radialene on Cu(100) surfaces. Nature Communications, 2018, 9, 3113.	12.8	41
6	Surface superconductivity in the type II Weyl semimetal TaIrTe ₄ . National Science Review, 2020, 7, 579-587.	9.5	39
7	Bond competition and phase evolution on the IrTe ₂ surface. Nature Communications, 2014, 5, 5358.	12.8	37
8	Strongly Compressed Few-Layered SnSe ₂ Films Grown on a SrTiO ₃ Substrate: The Coexistence of Charge Ordering and Enhanced Interfacial Superconductivity. Nano Letters, 2019, 19, 5304-5312.	9.1	32
9	Knowledge Extraction from Atomically Resolved Images. ACS Nano, 2017, 11, 10313-10320.	14.6	30
10	Layer-Stacking, Defects, and Robust Superconductivity on the Mo-Terminated Surface of Ultrathin Mo ₂ C Flakes Grown by CVD. Nano Letters, 2019, 19, 3327-3335.	9.1	21
11	Eightfold fermionic excitation in a charge density wave compound. Physical Review B, 2020, 102, .	3.2	20
12	Computational Search for Better Thermoelectric Performance in Nickel-Based Half-Heusler Compounds. ACS Omega, 2021, 6, 18269-18280.	3.5	19
13	Locally Induced Spin States on Graphene by Chemical Attachment of Boron Atoms. Nano Letters, 2018, 18, 5482-5487.	9.1	18
14	Phonon modes and photonic excitation transitions of MoS ₂ induced by top-deposited graphene revealed by Raman spectroscopy and photoluminescence. Applied Physics Letters, 2019, 114, .	3.3	15
15	Spontaneous Breaking and Remaking of the RSrAuSR Staple in Self-assembled Ethylthiolate/Au(111) Interface. Journal of Physical Chemistry C, 2018, 122, 19473-19480.	3.1	13
16	Visualizing Dirac nodal-line band structure of topological semimetal ZrGeSe by ARPES. APL Materials, 2019, 7, .	5.1	13
17	Interference evidence for Rashba-type spin splitting on a semimetallic WTe ₂ surface. Physical Review B, 2016, 94, .	3.2	11
18	Role of chalcogen vapor annealing in inducing bulk superconductivity in Fe _{1-x} Te _{1-y} S _y . Physical Review B, 2015, 91, .	3.2	10

#	ARTICLE	IF	CITATIONS
19	Raman detection of hidden phonons assisted by atomic point defects in a two-dimensional semimetal. <i>Npj 2D Materials and Applications</i> , 2019, 3, .	7.9	10
20	Enhancing the Visible Light Photoelectrochemical Water Splitting of TiO ₂ Photoanode via a Heterojunction and the Plasmonic Effect. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11510-11517.	3.1	10
21	Scanning tunneling microscopic observation of enhanced superconductivity in epitaxial Sn islands grown on SrTiO ₃ substrate. <i>Science Bulletin</i> , 2018, 63, 1332-1337.	9.0	9
22	On-Surface Synthesis of Thiophene-Containing Large-Sized Organometallic Macrocycles on the Ag(111) Surface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11454-11461.	3.1	8
23	Constructing and Transferring Two-Dimensional Tessellation Kagome Lattices via Chemical Reactions on Cu(111) Surface. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8151-8156.	4.6	8
24	Epitaxial Growth of PbSe Few-Layers on SrTiO ₃ : The Effect of Compressive Strain and Potential Two-Dimensional Topological Crystalline Insulator. <i>ACS Nano</i> , 2019, 13, 2615-2623.	14.6	7
25	Superhigh Uniform Magnetic Cr Substitution in a 2D Mo ₂ C Superconductor for a Macroscopic Scale Kondo Effect. <i>Advanced Materials</i> , 2020, 32, 2002825.	21.0	7
26	Two-Dimensional van der Waals Supramolecular Frameworks from Co-Hosted Molecular Assembly and C ₆₀ Dimerization. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12589-12595.	3.1	7
27	Discovery of an unconventional charge modulation on the surface of charge-density-wave material TaTe ₄ . <i>New Journal of Physics</i> , 2020, 22, 083025.	2.9	7
28	Magnetic Doping Induced Superconductivity-to-Incommensurate Density Waves Transition in a 2D Ultrathin Cr-Doped Mo ₂ C Crystal. <i>ACS Nano</i> , 2021, 15, 14938-14946.	14.6	7
29	In Situ Observation of Stepwise C-H Bond Scission: Deciphering the Catalytic Selectivity of Ethylbenzene-to-Styrene Conversion on TiO ₂ . <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9850-9855.	4.6	5
30	Searching for a promising topological Dirac nodal-line semimetal by angle resolved photoemission spectroscopy. <i>New Journal of Physics</i> , 2021, 23, 123026.	2.9	5
31	A Fullerene-Platinum Complex for Direct Functional Patterning of Single Metal Atom-Embedded Carbon Nanostructures. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1578-1586.	4.6	5
32	Probing Phase Evolutions of Au-Methyl-Propyl-Thiolate Self-Assembled Monolayers on Au(111) at the Molecular Level. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6666-6672.	2.6	4
33	Post-growth Fe deposition on the superconductivity of monolayer FeSe films on SrTiO ₃ . <i>Physical Review Materials</i> , 2022, 6, .	2.4	4
34	Complex supramolecular tessellations with on-surface self-synthesized C ₆₀ tiles through van der Waals interaction. <i>Nanoscale</i> , 2022, 14, 1333-1339.	5.6	3
35	Visualizing discrete Fermi surfaces and possible nodal-line to Weyl state evolution in ZrSiTe. <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	2
36	Orientation-Selective Growth of Single-Atomic-Layer Gold Nanosheets via van der Waals Interlocking and Octanethiolate-Confined Molecular Channels. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25228-25235.	3.1	1

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37	Defect and interlayer coupling tuned quasiparticle scattering in 2D disordered Mo ₂ C superconducting microcrystals. Journal Physics D: Applied Physics, 2020, 53, 434002.	2.8	1
38	Engineering electronic structure of topological insulator Bi ₂ Te ₃ thin films by highly uniform ripple arrays. Journal Physics D: Applied Physics, 2021, 54, 424001.	2.8	1