

Jian Gou

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,294
citations

516710

16
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

1857
citing authors

#	ARTICLE	IF	CITATIONS
1	Realizing quinary charge states of solitary defects in two-dimensional intermetallic semiconductor. National Science Review, 2022, 9, nwab070.	9.5	3
2	Epitaxial Growth of Ultraflat Bismuthene with Large Topological Band Inversion Enabled by Substrate-Orbital-Filtering Effect. ACS Nano, 2022, 16, 1436-1443.	14.6	16
3	Coexisting Charge-Ordered States with Distinct Driving Mechanisms in Monolayer VSe ₂ . ACS Nano, 2022, 16, 783-791.	14.6	11
4	Diverse Structures and Magnetic Properties in Nonlayered Monolayer Chromium Selenide. Journal of Physical Chemistry Letters, 2021, 12, 7752-7760.	4.6	28
5	Room Temperature Ferromagnetism of Monolayer Chromium Telluride with Perpendicular Magnetic Anisotropy. Advanced Materials, 2021, 33, e2103360.	21.0	84
6	Realization of a Buckled Antimonene Monolayer on Ag(111) via Surface Engineering. Journal of Physical Chemistry Letters, 2020, 11, 8976-8982.	4.6	23
7	Symmetry Breaking and Reversible Hydrogenation of Two-Dimensional Semiconductor Sn ₂ Bi. Chinese Physics Letters, 2020, 37, 066802.	3.3	2
8	Graphene: Room-Temperature Colossal Magnetoresistance in Terraced Single-Layer Graphene (Adv.) Tj ETQq0 0,0 rgBT /Overlock 10	21.0	2
9	Room-Temperature Colossal Magnetoresistance in Terraced Single-Layer Graphene. Advanced Materials, 2020, 32, e2002201.	21.0	25
10	Oxygen-induced controllable p-type doping in 2D semiconductor transition metal dichalcogenides. Nano Research, 2020, 13, 3439-3444.	10.4	47
11	The effect of moiré superstructures on topological edge states in twisted bismuthene homojunctions. Science Advances, 2020, 6, eaba2773.	10.3	39
12	Performance Improvement by Ozone Treatment of 2D PdSe ₂ . ACS Nano, 2020, 14, 5668-5677.	14.6	54
13	Precise determination of moiré pattern in monolayer FeO(111) films on Au(111) by scanning tunneling microscopy. Physical Review Materials, 2020, 4, .	2.4	5
14	Raman Spectroscopy of Two-Dimensional Borophene Sheets. ACS Nano, 2019, 13, 4133-4139.	14.6	73
15	Structural and electronic properties of atomically thin Bismuth on Au(111). Surface Science, 2019, 679, 147-153.	1.9	29
16	Experimental realization of honeycomb borophene. Science Bulletin, 2018, 63, 282-286.	9.0	397
17	The Pentagonal Nature of Self-Assembled Silicon Chains and Magic Clusters on Ag(110). Nano Letters, 2018, 18, 2937-2942.	9.1	52
18	Binary Two-Dimensional Honeycomb Lattice with Strong Spin-Orbit Coupling and Electron-Hole Asymmetry. Physical Review Letters, 2018, 121, 126801.	7.8	33

#	ARTICLE	IF	CITATIONS
19	Low-temperature, ultrahigh-vacuum tip-enhanced Raman spectroscopy combined with molecular beam epitaxy for in situ two-dimensional materialsâ€™ studies. Review of Scientific Instruments, 2018, 89, 053107.	1.3	10
20	Scanning tunneling microscopy investigations of unoccupied surface states in two-dimensional semiconducting $\sqrt{2} \times \sqrt{3}$ Å^{-1} $\text{Bi/Si}(111)$ surface. Physical Chemistry Chemical Physics, 2018, 20, 20188-20193.	2.8	8
21	Vibrational Properties of a Monolayer Silicene Sheet Studied by Tip-Enhanced Raman Spectroscopy. Physical Review Letters, 2017, 119, 196803.	7.8	74
22	Synthesis of borophene nanoribbons on Ag(110) surface. Physical Review Materials, 2017, 1, .	2.4	113
23	Strain-induced band engineering in monolayer stanene on Sb(111). Physical Review Materials, 2017, 1, .	2.4	91
24	Strained monolayer germanene with 1×1 lattice on Sb(111). 2D Materials, 2016, 3, 045005.	4.4	75