Jian Gou

List of Publications by Year
in descending order

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	Experimental realization of honeycomb borophene. Science Bulletin, 2018, 63, 282-286.	9.0	397
2	Synthesis of borophene nanoribbons on Ag(110) surface. Physical Review Materials, 2017, 1, .	2.4	113
3	Strain-induced band engineering in monolayer stanene on Sb(111). Physical Review Materials, 2017, 1, .	2.4	91
4	Room Temperature Ferromagnetism of Monolayer Chromium Telluride with Perpendicular Magnetic Anisotropy. Advanced Materials, 2021, 33, e2103360.	21.0	84
5	Strained monolayer germanene with 1 Ã— 1 lattice on Sb(111). 2D Materials, 2016, 3, 045005.	4.4	75
6	Vibrational Properties of a Monolayer Silicene Sheet Studied by Tip-Enhanced Raman Spectroscopy. Physical Review Letters, 2017, 119, 196803.	7.8	74
7	Raman Spectroscopy of Two-Dimensional Borophene Sheets. ACS Nano, 2019, 13, 4133-4139.	14.6	73
8	Performance Improvement by Ozone Treatment of 2D PdSe₂. ACS Nano, 2020, 14, 5668-5677.	14.6	54
9	The Pentagonal Nature of Self-Assembled Silicon Chains and Magic Clusters on Ag(110). Nano Letters, 2018, 18, 2937-2942.	9.1	52
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 moirÃ© superstructures on topological edge states in twisted bismuthene homojunctions. Science Advances, 2020, 6, eaba2773.	10.3	39
12	Binary Two-Dimensional Honeycomb Lattice with Strong Spin-Orbit Coupling and Electron-Hole Asymmetry. Physical Review Letters, 2018, 121, 126801.	7.8	33
13	Structural and electronic properties of atomically thin Bismuth on Au(111). Surface Science, 2019, 679, 147-153.	1.9	29
14	Diverse Structures and Magnetic Properties in Nonlayered Monolayer Chromium Selenide. Journal of Physical Chemistry Letters, 2021, 12, 7752-7760.	4.6	28
15	Roomâ€Temperature Colossal Magnetoresistance in Terraced Singleâ€Layer Graphene. Advanced Materials, 2020, 32, e2002201.	21.0	25
16	Realization of a Buckled Antimonene Monolayer on Ag(111) via Surface Engineering. Journal of Physical Chemistry Letters, 2020, 11, 8976-8982.	4.6	23
17	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
18	Coexisting Charge-Ordered States with Distinct Driving Mechanisms in Monolayer VSe₂. ACS Nano, 2022, 16, 783-791.	14.6	11

#	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 Î²-â^š3 Ã— â^š3-Bi/Si(111) surface. Physical Chemistry Chemical Physics, 2018, 20, 20188-20193.	2.8	8
21	Precise determination of moirÃ© pattern in monolayer FeO(111) films on Au(111) by scanning tunneling microscopy. Physical Review Materials, 2020, 4, .	2.4	5
22	Realizing quinary charge states of solitary defects in two-dimensional intermetallic semiconductor. National Science Review, 2022, 9, nwab070.	9.5	3
23	Symmetry Breaking and Reversible Hydrogenation of Two-Dimensional Semiconductor Sn2Bi. Chinese Physics Letters, 2020, 37, 066802.	3.3	2
24	Graphene: Roomâ€Temperature Colossal Magnetoresistance in Terraced Singleâ€Layer Graphene (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10	21.6	2