Lizhi Zhang

List of Publications by Year
in descending order

29 papers	1,498 citations	471509 17 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	2496 citing authors

#	Article	IF	Citations
1	Selective Antisite Defect Formation in WS₂ Monolayers via Reactive Growth on Dilute Wâ€Au Alloy Substrates. Advanced Materials, 2022, 34, e2106674.	21.0	14
2	Selective Antisite Defect Formation in WS₂ Monolayers via Reactive Growth on Dilute Wâ€Au Alloy Substrates (Adv. Mater. 3/2022). Advanced Materials, 2022, 34, .	21.0	0
3	Stabilized Synthesis of 2D Verbeekite: Monoclinic PdSe₂ Crystals with High Mobility and In-Plane Optical and Electrical Anisotropy. ACS Nano, 2022, 16, 13900-13910.	14.6	14
4	Revealing the Chemical Bonding in Adatom Arrays via Machine Learning of Hyperspectral Scanning Tunneling Spectroscopy Data. ACS Nano, 2021, 15, 11806-11816.	14.6	13
5	Solid-phase hetero epitaxial growth of Î±-phase formamidinium perovskite. Nature Communications, 2020, 11, 5514.	12.8	71
6	Quantum Phase Engineering of Two-Dimensional Post-Transition Metals by Substrates: Toward a Room-Temperature Quantum Anomalous Hall Insulator. Nano Letters, 2020, 20, 7186-7192.	9.1	9
7	Quantum anomalous Hall effect in two-dimensional Cu-dicyanobenzene coloring-triangle lattice. Nano Research, 2020, 13, 1571-1575.	10.4	14
8	Doping of Cr in Graphene Using Electron Beam Manipulation for Functional Defect Engineering. ACS Applied Nano Materials, 2020, 3, 10855-10863.	5.0	24
9	Graphene-like Be ₃ X ₂ (X = C, Si, Ge, Sn): A new family of two-dimensional topological insulators. Chinese Physics B, 2019, 28, 037101.	1.4	13
10	Two-dimensional magnetic metalâ€“organic frameworks with the Shastry-Sutherland lattice. Chemical Science, 2019, 10, 10381-10387.	7.4	21
11	Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. Advanced Materials, 2018, 30, e1804650.	21.0	86
12	Quantum Spin Hall Effect and Tunable Spin Transport in As-Graphane. Nano Letters, 2017, 17, 4359-4364.	9.1	15
13	Creation of half-metallic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>f</mml:mi></mml:math> -orbital Dirac fermion with superlight elements in orbital-designed molecular lattice. Physical Review B, 2017, 96, .	3.2	10
14	Interface orbital engineering of large-gap topological states: Decorating gold on a Si(111) surface. Physical Review B, 2016, 93, .	3.2	32
15	Intrinsic Two-Dimensional Organic Topological Insulators in Metalâ€“Dicyanoanthracene Lattices. Nano Letters, 2016, 16, 2072-2075.	9.1	81
16	Formation of a quantum spin Hall state on a Ge(111) surface. Nanotechnology, 2016, 27, 095703.	2.6	7
17	Structural and Electronic Properties of Pb- Intercalated Graphene on Ru(0001). Journal of Physical Chemistry C, 2015, 119, 9839-9844.	3.1	30
18	Growth Mechanism of Metal Clusters on a Graphene/Ru(0001) Template. Advanced Materials Interfaces, 2014, 1, 1300104.	3.7	24

#	Article	IF	Citations
19	Prediction of a Dirac state in monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">TiB</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, .	3.2	134
20	Growth and Structural Properties of Pb Islands on Epitaxial Graphene on Ru(0001). Journal of Physical Chemistry C, 2013, 117, 22652-22655.	3.1	14
21	Template-directed assembly of pentacene molecules on epitaxial graphene on Ru(0001). Nano Research, 2013, 6, 131-137.	10.4	31
22	Modulation of Fermi velocities of Dirac electrons in single layer graphene by moirÃ© superlattice. Applied Physics Letters, 2013, 103, .	3.3	5
23	Boron Sheet Adsorbed on Metal Surfaces: Structures and Electronic Properties. Journal of Physical Chemistry C, 2012, 116, 18202-18206.	3.1	58
24	Silicon layer intercalation of centimeter-scale, epitaxially grown monolayer graphene on Ru(0001). Applied Physics Letters, 2012, 100, .	3.3	101
25	Site- and Configuration-Selective Anchoring of Ironâ€“Phthalocyanine on the Step Edges of Au(111) Surface. Journal of Physical Chemistry C, 2011, 115, 10791-10796.	3.1	31
26	Graphyne- and graphdiyne-based nanoribbons: Density functional theory calculations of electronic structures. Applied Physics Letters, 2011, 98, .	3.3	277
27	Epitaxial growth and structural property of graphene on Pt(111). Applied Physics Letters, 2011, 98, 033101.	3.3	223
28	Self-Assembly of Metal Phthalocyanines on Pb(111) and Au(111) Surfaces at Submonolayer Coverage. Journal of Physical Chemistry C, 2011, 115, 21750-21754.	3.1	41
29	Assembly of iron phthalocyanine and pentacene molecules on a graphene monolayer grown on Ru(0001). Physical Review B, 2011, 84, .	3.2	102