# Lizhi Zhang

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Graphyne- and graphdiyne-based nanoribbons: Density functional theory calculations of electronic structures. Applied Physics Letters, 2011, 98, . | 3.3 | 277 |
| 2 | Epitaxial growth and structural property of graphene on Pt(111). Applied Physics Letters, 2011, 98, 033101. | 3.3 | 223 |
| 3 | 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 |
| 4 | Assembly of iron phthalocyanine and pentacene molecules on a graphene monolayer grown on Ru(0001). Physical Review B, 2011, 84, . | 3.2 | 102 |
| 5 | Silicon layer intercalation of centimeter-scale, epitaxially grown monolayer graphene on Ru(0001). Applied Physics Letters, 2012, 100, . | 3.3 | 101 |
| 6 | Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. Advanced Materials, 2018, 30, e1804650. | 21.0 | 86 |
| 7 | Intrinsic Two-Dimensional Organic Topological Insulators in Metalâ€“Dicyanoanthracene Lattices. Nano Letters, 2016, 16, 2072-2075. | 9.1 | 81 |
| 8 | Solid-phase hetero epitaxial growth of Î±-phase formamidinium perovskite. Nature Communications, 2020, 11, 5514. | 12.8 | 71 |
| 9 | Boron Sheet Adsorbed on Metal Surfaces: Structures and Electronic Properties. Journal of Physical Chemistry C, 2012, 116, 18202-18206. | 3.1 | 58 |
| 10 | 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 |
| 11 | Interface orbital engineering of large-gap topological states: Decorating gold on a Si(111) surface. Physical Review B, 2016, 93, . | 3.2 | 32 |
| 12 | 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 |
| 13 | Template-directed assembly of pentacene molecules on epitaxial graphene on Ru(0001). Nano Research, 2013, 6, 131-137. | 10.4 | 31 |
| 14 | Structural and Electronic Properties of Pb- Intercalated Graphene on Ru(0001). Journal of Physical Chemistry C, 2015, 119, 9839-9844. | 3.1 | 30 |
| 15 | Growth Mechanism of Metal Clusters on a Graphene/Ru(0001) Template. Advanced Materials Interfaces, 2014, 1, 1300104. | 3.7 | 24 |
| 16 | Doping of Cr in Graphene Using Electron Beam Manipulation for Functional Defect Engineering. ACS Applied Nano Materials, 2020, 3, 10855-10863. | 5.0 | 24 |
| 17 | Two-dimensional magnetic metalâ€“organic frameworks with the Shastry-Sutherland lattice. Chemical Science, 2019, 10, 10381-10387. | 7.4 | 21 |
| 18 | Quantum Spin Hall Effect and Tunable Spin Transport in As-Graphane. Nano Letters, 2017, 17, 4359-4364. | 9.1 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Quantum anomalous Hall effect in two-dimensional Cu-dicyanobenzene coloring-triangle lattice. Nano Research, 2020, 13, 1571-1575. | 10.4 | 14 |
| 21 | Selective Antisite Defect Formation in WS<sub>2</sub> Monolayers via Reactive Growth on Dilute Wâ€Au Alloy Substrates. Advanced Materials, 2022, 34, e2106674. | 21.0 | 14 |
| 22 | Stabilized Synthesis of 2D Verbeekite: Monoclinic PdSe<sub>2</sub> Crystals with High Mobility and In-Plane Optical and Electrical Anisotropy. ACS Nano, 2022, 16, 13900-13910. | 14.6 | 14 |
| 23 | Graphene-like Be <sub>3</sub> X <sub>2</sub> ( X = C, Si, Ge, Sn): A new family of two-dimensional topological insulators. Chinese Physics B, 2019, 28, 037101. | 1.4 | 13 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Formation of a quantum spin Hall state on a Ge(111) surface. Nanotechnology, 2016, 27, 095703. | 2.6 | 7 |
| 28 | Modulation of Fermi velocities of Dirac electrons in single layer graphene by moirÃ© superlattice. Applied Physics Letters, 2013, 103, . | 3.3 | 5 |
| 29 | Selective Antisite Defect Formation in WS<sub>2</sub> Monolayers via Reactive Growth on Dilute Wâ€Au Alloy Substrates (Adv. Mater. 3/2022). Advanced Materials, 2022, 34, . | 21.0 | 0 |