Linyang Li

List of Publications by Year
in descending order

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20 papers	781 citations	623734 14 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	1113 citing authors

#	Article	IF	Citations
1	Strain-driven band inversion and topological aspects in Antimonene. Scientific Reports, 2015, 5, 16108.	3.3	203
2	Giant Topological Nontrivial Band Gaps in Chloridized Gallium Bismuthide. Nano Letters, 2015, 15, 1296-1301.	9.1	92
3	Structures, Energetics, and Electronic Properties of Multifarious Stacking Patterns for High-Buckled and Low-Buckled Silicene on the MoS₂ Substrate. Journal of Physical Chemistry C, 2014, 118, 19129-19138.	3.1	76
4	First-principles identifications of superstructures of germanene on Ag(111) surface and h-BN substrate. Physical Chemistry Chemical Physics, 2013, 15, 16853.	2.8	56
5	Driving a GaAs film to a large-gap topological insulator by tensile strain. Scientific Reports, 2015, 5, 8441.	3.3	55
6	New nanoporous graphyne monolayer as nodal line semimetal: Double Dirac points with an ultrahigh Fermi velocity. Carbon, 2019, 141, 712-718.	10.3	42
7	PAI-graphene: A new topological semimetallic two-dimensional carbon allotrope with highly tunable anisotropic Dirac cones. Carbon, 2020, 170, 477-486.	10.3	42
8	Two-Dimensional Square-A₂B (A = Cu, Ag, Au, and B = S, Se): Auxetic Semiconductors with High Carrier Mobilities and Unusually Low Lattice Thermal Conductivities. Journal of Physical Chemistry Letters, 2020, 11, 2925-2933.	4.6	40
9	Quantum anomalous Hall effect in a stable 1T-YN₂monolayer with a large nontrivial bandgap and a high Chern number. Nanoscale, 2018, 10, 8153-8161.	5.6	35
10	Dumbbell stanane: a large-gap quantum spin hall insulator. Physical Chemistry Chemical Physics, 2015, 17, 16624-16629.	2.8	25
11	Gallium bismuth halide GaBi-X2 (X = I, Br, Cl) monolayers with distorted hexagonal framework: Novel room-temperature quantum spin Hall insulators. Nano Research, 2017, 10, 2168-2180.	10.4	18
12	The magnetic, electronic, and light-induced topological properties in two-dimensional hexagonal FeX2 (Xâ€‰=â€‰Cl, Br, I) monolayers. Applied Physics Letters, 2020, 116, .	3.3	18
13	Monolayer 1T-LaN2: Dirac spin-gapless semiconductor of p-state and Chern insulator with a high Chern number. Applied Physics Letters, 2020, 117, .	3.3	17
14	New group-V elemental bilayers: A tunable structure model with four-, six-, and eight-atom rings. Physical Review B, 2017, 96, .	3.2	15
15	Hydrogenation-induced large-gap quantum-spin-Hall insulator states in a germaniumâ€“tin dumbbell structure. RSC Advances, 2015, 5, 72462-72468.	3.6	12
16	Topological Dirac semimetal phase in GexSny alloys. Applied Physics Letters, 2018, 112, .	3.3	10
17	Structural phase transition in monolayer gold(I) telluride: From a room-temperature topological insulator to an auxetic semiconductor. Physical Review B, 2021, 103, .	3.2	10
18	Ferromagnetism with in-plane magnetization, Dirac spin-gapless semiconducting properties, and tunable topological states in two-dimensional rare-earth metal dinitrides. Physical Review B, 2022, 105, .	3.2	9

#	Article	IF	Citations
19	Floquet band engineering and topological phase transitions in 1Tâ€™ transition metal dichalcogenides. 2D Materials, 2022, 9, 025005.	4.4	4
20	Two-dimensional oxygen functionalized honeycomb and zigzag dumbbell silicene with robust Dirac cones. New Journal of Physics, 2021, 23, 023007.	2.9	2