

Yun-Ye Liang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,663
citations

840776
11
h-index

888059
17
g-index

19
all docs

19
docs citations

19
times ranked

2342
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological node-line semimetal in three-dimensional graphene networks. Physical Review B, 2015, 92, .	3.2	619
2	OH-terminated two-dimensional transition metal carbides and nitrides as ultralow work function materials. Physical Review B, 2015, 92, .	3.2	342
3	Large-gap two-dimensional topological insulator in oxygen functionalized MXene. Physical Review B, 2015, 92, .	3.2	229
4	Nearly free electron states in MXenes. Physical Review B, 2016, 93, .	3.2	185
5	Theoretical prediction of two-dimensional functionalized MXene nitrides as topological insulators. Physical Review B, 2017, 96, .	3.2	83
6	Negatively curved cubic carbon crystals with octahedral symmetry. Carbon, 2014, 76, 266-274.	10.3	48
7	Band gap engineering of silicene zigzag nanoribbons with perpendicular electric fields: a theoretical study. Journal of Physics Condensed Matter, 2012, 24, 455302.	1.8	33
8	Global minimum of two-dimensional FeB ₆ and an oxidation induced negative Poisson's ratio: a new stable allotrope. Journal of Materials Chemistry C, 2016, 4, 9613-9621.	5.5	29
9	Voltage-gated spin-filtering properties and global minimum of planar MnB ₆ , and half-metallicity and room-temperature ferromagnetism of its oxide sheet. Journal of Materials Chemistry C, 2016, 4, 10866-10875.	5.5	26
10	Modulation of nearly free electron states in hydroxyl-functionalized MXenes: a first-principles study. Journal of Materials Chemistry C, 2020, 8, 5211-5221.	5.5	21
11	High-pressure phases of hydrogen cyanide: formation of hydrogenated carbon nitride polymers and layers and their electronic properties. Journal of Physics Condensed Matter, 2011, 23, 405403.	1.8	11
12	Electronic Properties and Applications of MXenes from Ab Initio Calculations Perspective. , 2019, , 255-289.		6
13	First-principles study of a topological phase transition induced by image potential states in MXenes. Physical Review B, 2021, 103, .	3.2	6
14	A theoretical investigation of topological phase modulation in carbide MXenes: Role of image potential states. Carbon, 2021, 181, 370-378.	10.3	6
15	Polymerization of cyanoacetylene under pressure: Formation of carbon nitride polymers and bulk structures. Physical Review B, 2012, 85, .	3.2	5
16	Half-metallicity modulation of hybrid BN-C nanotubes by external electric fields: A first-principles study. Journal of Chemical Physics, 2014, 140, 234702.	3.0	5
17	Electric control of nearly free electron states and ferromagnetism in the transition-metal dichalcogenides monolayers. Journal of Physics Condensed Matter, 2021, 33, 205702.	1.8	3
18	A theoretical investigation of quantum spin Hall state in ordered M ₂ C ₃ MXenes (M ²⁺ = V, Nb, Ta and M ³⁺)	1.8	3

#	ARTICLE	IF	CITATIONS
19	Electronic Structures of Group III–V Element Haeckelite Compounds: A Novel Family of Semiconductors, Dirac Semimetals, and Topological Insulators. Advanced Functional Materials, 0, , 2110930.	14.9	3