

Yun-Ye Liang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,663
citations

840585

11
h-index

887953

17
g-index

19
all docs

19
docs citations

19
times ranked

2342
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles study of a topological phase transition induced by image potential states in MXenes. Physical Review B, 2021, 103, .	1.1	6
2	Electric control of nearly free electron states and ferromagnetism in the transition-metal dichalcogenides monolayers. Journal of Physics Condensed Matter, 2021, 33, 205702.	0.7	3
3	A theoretical investigation of quantum spin Hall state in ordered $M\text{X}_2\text{C}_3$ MXenes ($M = \text{V, Nb, Ta}$ and $M\text{X}_3$) Tj ETQq1 1 0.	0.7	3
4	A theoretical investigation of topological phase modulation in carbide MXenes: Role of image potential states. Carbon, 2021, 181, 370-378.	5.4	6
5	Modulation of nearly free electron states in hydroxyl-functionalized MXenes: a first-principles study. Journal of Materials Chemistry C, 2020, 8, 5211-5221.	2.7	21
6	Electronic Properties and Applications of MXenes from Ab Initio Calculations Perspective. , 2019, , 255-289.		6
7	Theoretical prediction of two-dimensional functionalized MXene nitrides as topological insulators. Physical Review B, 2017, 96, .	1.1	83
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.	2.7	29
9	Nearly free electron states in MXenes. Physical Review B, 2016, 93, .	1.1	185
10	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.	2.7	26
11	Topological node-line semimetal in three-dimensional graphene networks. Physical Review B, 2015, 92, .	1.1	619
12	OH-terminated two-dimensional transition metal carbides and nitrides as ultralow work function materials. Physical Review B, 2015, 92, .	1.1	342
13	Large-gap two-dimensional topological insulator in oxygen functionalized MXene. Physical Review B, 2015, 92, .	1.1	229
14	Half-metallicity modulation of hybrid BN-C nanotubes by external electric fields: A first-principles study. Journal of Chemical Physics, 2014, 140, 234702.	1.2	5
15	Negatively curved cubic carbon crystals with octahedral symmetry. Carbon, 2014, 76, 266-274.	5.4	48
16	Polymerization of cyanoacetylene under pressure: Formation of carbon nitride polymers and bulk structures. Physical Review B, 2012, 85, .	1.1	5
17	Band gap engineering of silicene zigzag nanoribbons with perpendicular electric fields: a theoretical study. Journal of Physics Condensed Matter, 2012, 24, 455302.	0.7	33
18	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.	0.7	11

#	ARTICLE	IF	CITATIONS
19	Electronic Structures of Group III–V Element Haeckelite Compounds: A Novel Family of Semiconductors, Dirac Semimetals, and Topological Insulators. <i>Advanced Functional Materials</i> , 0, , 2110930.	7.8	3