

Yun-Ye Liang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,663
citations

840119

11
h-index

887659

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. <i>Physical Review B</i> , 2015, 92, .	1.1	619
2	OH-terminated two-dimensional transition metal carbides and nitrides as ultralow work function materials. <i>Physical Review B</i> , 2015, 92, .	1.1	342
3	Large-gap two-dimensional topological insulator in oxygen functionalized MXene. <i>Physical Review B</i> , 2015, 92, .	1.1	229
4	Nearly free electron states in MXenes. <i>Physical Review B</i> , 2016, 93, .	1.1	185
5	Theoretical prediction of two-dimensional functionalized MXene nitrides as topological insulators. <i>Physical Review B</i> , 2017, 96, .	1.1	83
6	Negatively curved cubic carbon crystals with octahedral symmetry. <i>Carbon</i> , 2014, 76, 266-274.	5.4	48
7	Band gap engineering of silicene zigzag nanoribbons with perpendicular electric fields: a theoretical study. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 455302.	0.7	33
8	Global minimum of two-dimensional FeB ₆ and an oxidation induced negative Poisson's ratio: a new stable allotrope. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9613-9621.	2.7	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. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10866-10875.	2.7	26
10	Modulation of nearly free electron states in hydroxyl-functionalized MXenes: a first-principles study. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5211-5221.	2.7	21
11	High-pressure phases of hydrogen cyanide: formation of hydrogenated carbon nitride polymers and layers and their electronic properties. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 405403.	0.7	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. <i>Physical Review B</i> , 2021, 103, .	1.1	6
14	A theoretical investigation of topological phase modulation in carbide MXenes: Role of image potential states. <i>Carbon</i> , 2021, 181, 370-378.	5.4	6
15	Polymerization of cyanoacetylene under pressure: Formation of carbon nitride polymers and bulk structures. <i>Physical Review B</i> , 2012, 85, .	1.1	5
16	Half-metallicity modulation of hybrid BN-C nanotubes by external electric fields: A first-principles study. <i>Journal of Chemical Physics</i> , 2014, 140, 234702.	1.2	5
17	Electric control of nearly free electron states and ferromagnetism in the transition-metal dichalcogenides monolayers. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 205702.	0.7	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⁺)	0.7	3

#	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