

Chengyong Zhong

List of Publications by Citations

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27
papers

961
citations

17
h-index

28
g-index

28
ext. papers

1,214
ext. citations

7.6
avg, IF

4.53
L-index

#	Paper	IF	Citations
27	Nodal surface semimetals: Theory and material realization. <i>Physical Review B</i> , 2018 , 97,	3.3	137
26	Towards three-dimensional Weyl-surface semimetals in graphene networks. <i>Nanoscale</i> , 2016 , 8, 7232-9	7.7	134
25	Three-dimensional Pentagon Carbon with a genesis of emergent fermions. <i>Nature Communications</i> , 2017 , 8, 15641	17.4	81
24	CrTiC-based double MXenes: novel 2D bipolar antiferromagnetic semiconductor with gate-controllable spin orientation toward antiferromagnetic spintronics. <i>Nanoscale</i> , 2018 , 11, 356-364	7.7	77
23	Dirac Nodal Lines and Tilted Semi-Dirac Cones Coexisting in a Striped Boron Sheet. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 1707-1713	6.4	63
22	Two-dimensional honeycomb borophene oxide: strong anisotropy and nodal loop transformation. <i>Nanoscale</i> , 2019 , 11, 2468-2475	7.7	62
21	Stretch-Driven Increase in Ultrahigh Thermal Conductance of Hydrogenated Borophene and Dimensionality Crossover in Phonon Transmission. <i>Advanced Functional Materials</i> , 2018 , 28, 1801685	15.6	58
20	Fluorine-Doped and Partially Oxidized Tantalum Carbides as Nonprecious Metal Electrocatalysts for Methanol Oxidation Reaction in Acidic Media. <i>Advanced Materials</i> , 2016 , 28, 2163-9	24	49
19	Electron and phonon properties and gas storage in carbon honeycombs. <i>Nanoscale</i> , 2016 , 8, 12863-8	7.7	40
18	Remarkably enhanced ferromagnetism in a super-exchange governed Cr ₂ Ge ₂ Te ₆ monolayer via molecular adsorption. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5084-5093	7.1	32
17	Coexistence of flat bands and Dirac bands in a carbon-Kagome-lattice family. <i>Carbon</i> , 2016 , 99, 65-70	10.4	32
16	Orbitally driven giant thermal conductance associated with abnormal strain dependence in hydrogenated graphene-like borophene. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	31
15	Three-dimensional honeycomb carbon: Junction line distortion and novel emergent fermions. <i>Carbon</i> , 2019 , 141, 417-426	10.4	29
14	Ferromagnetism and Wigner crystallization in kagome graphene and related structures. <i>Physical Review B</i> , 2018 , 98,	3.3	23
13	Double Kagome Bands in a Two-Dimensional Phosphorus Carbide PC. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2751-2756	6.4	21
12	Semi-Dirac semimetal in silicene oxide. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 3820-3825	3.6	19
11	Review of thermal transport and electronic properties of borophene. <i>Chinese Physics B</i> , 2018 , 27, 036303	1.2	18

10	Hexagonal supertetrahedral boron: A topological metal with multiple spin-orbit-free emergent fermions. <i>Physical Review Materials</i> , 2019 , 3,	3.2	13
9	2D honeycomb borophene oxide: a promising anode material offering super high capacity for Li/Na-ion batteries. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 065001	1.8	11
8	Three-dimensional graphene networks modified with acetylenic linkages for high-performance optoelectronics and Li-ion battery anode material. <i>Carbon</i> , 2019 , 154, 478-484	10.4	9
7	Tunable Type-I and Type-II Dirac Fermions in Graphene with Nitrogen Line Defects. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 12476-12482	3.8	6
6	Tuning magnetism at the two-dimensional limit: a theoretical perspective. <i>Nanoscale</i> , 2021 ,	7.7	6
5	K _{0.4} TaO _{2.4} F _{0.6} Nanocubes as Highly Efficient Noble Metal-Free Electrocatalysts for Hydrogen Evolution Reaction in Acidic Media. <i>Electrochimica Acta</i> , 2017 , 245, 193-200	6.7	4
4	Theoretical design of all-carbon networks with intrinsic magnetism. <i>Carbon</i> , 2021 , 177, 11-18	10.4	4
3	Three-dimensional acetylenic modified graphene for high-performance optoelectronics and topological materials. <i>Npj Computational Materials</i> , 2021 , 7,	10.9	1
2	An ideal two-dimensional nodal-ring semimetal in tetragonal borophene oxide. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 17348-17353	3.6	1
1	Predication of topological states in the allotropes of group-IV elements. <i>Frontiers of Physics</i> , 2021 , 16, 1	3.7	