

Nasser Alidoust

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

12,556
citations

94433

37
h-index

233421

45
g-index

46
all docs

46
docs citations

46
times ranked

7861
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of a Weyl fermion semimetal and topological Fermi arcs. <i>Science</i> , 2015, 349, 613-617.	12.6	2,753
2	A Weyl Fermion semimetal with surface Fermi arcs in the transition metal monpnictide TaAs class. <i>Nature Communications</i> , 2015, 6, 7373.	12.8	1,336
3	Observation of a three-dimensional topological Dirac semimetal phase in high-mobility Cd ₃ As ₂ . <i>Nature Communications</i> , 2014, 5, 3786.	12.8	1,166
4	Discovery of a Weyl fermion state with Fermi arcs in niobium arsenide. <i>Nature Physics</i> , 2015, 11, 748-754.	16.7	817
5	Topological nodal-line fermions in spin-orbit metal PbTaSe ₂ . <i>Nature Communications</i> , 2016, 7, 10556.	12.8	688
6	Observation of Fermi arc surface states in a topological metal. <i>Science</i> , 2015, 347, 294-298.	12.6	603
7	Signatures of the Adler-Bell-Jackiw chiral anomaly in a Weyl fermion semimetal. <i>Nature Communications</i> , 2016, 7, 10735.	12.8	603
8	Hedgehog spin texture and Berry's phase tuning in a magnetic topological insulator. <i>Nature Physics</i> , 2012, 8, 616-622.	16.7	353
9	Observation of topological surface state quantum Hall effect in an intrinsic three-dimensional topological insulator. <i>Nature Physics</i> , 2014, 10, 956-963.	16.7	352
10	Experimental discovery of a topological Weyl semimetal state in TaP. <i>Science Advances</i> , 2015, 1, e1501092.	10.3	337
11	New type of Weyl semimetal with quadratic double Weyl fermions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1180-1185.	7.1	291
12	Drumhead surface states and topological nodal-line fermions in TlTaSe ₂ . <i>Physical Review B</i> , 2016, 93, .	12.8	268
13	Prediction of an arc-tunable Weyl Fermion metallic state in Mo _x W _{1-x} Te ₂ . <i>Nature Communications</i> , 2016, 7, 10639.	12.8	249
14	Topological chiral crystals with helicoid-arc quantum states. <i>Nature</i> , 2019, 567, 500-505.	27.8	249
15	Discovery of Lorentz-violating type II Weyl fermions in LaAlGe. <i>Science Advances</i> , 2017, 3, e1603266.	10.3	176
16	Discovery of a new type of topological Weyl fermion semimetal state in Mo _x W _{1-x} Te ₂ . <i>Nature Communications</i> , 2016, 7, 13643.	12.8	163
17	Room-temperature magnetic topological Weyl fermion and nodal line semimetal states in half-metallic Heusler Co ₂ TiX (X=Si, Ge, or Sn). <i>Scientific Reports</i> , 2016, 6, 38839.	3.3	148
18	Momentum-space imaging of Cooper pairing in a half-Dirac-gas topological superconductor. <i>Nature Physics</i> , 2014, 10, 943-950.	16.7	134

#	ARTICLE	IF	CITATIONS
19	Criteria for Directly Detecting Topological Fermi Arcs in Weyl Semimetals. Physical Review Letters, 2016, 116, 066802. Magnetic and noncentrosymmetric Weyl fermion semimetals in the R	7.8	134
20			



#	ARTICLE	IF	CITATIONS
37	Observation of the spin-polarized surface state in a noncentrosymmetric superconductor BiPd. Nature Communications, 2016, 7, 13315.	12.8	42
38	Unconventional transformation of spin Dirac phase across a topological quantum phase transition. Nature Communications, 2015, 6, 6870.	12.8	34
39	Fermi surface topology and hot spot distribution in the Kondo lattice system CeB_6 . Physical Review B, 2015, 92, .	3.2	29
40	Electronic structure and relaxation dynamics in a superconducting topological material. Scientific Reports, 2016, 6, 22557.	3.3	21
41	Mirror Protected Dirac Fermions on a Weyl Semimetal NbP Surface. Physical Review Letters, 2017, 119, 196403.	7.8	20
42	Tunable spin helical Dirac quasiparticles on the surface of three-dimensional HgTe. Physical Review B, 2015, 92, .	3.2	19
43	Surface versus bulk Dirac state tuning in a three-dimensional topological Dirac semimetal. Physical Review B, 2015, 91, .	3.2	16
44	Observation of metallic surface states in the strongly correlated Kitaev-Heisenberg candidate $Na_2Zr_2O_7$. Physical Review B, 2016, 93, .	3.2	16
45	Spin-correlated electronic state on the surface of a spin-orbit Mott system. Physical Review B, 2014, 90, .	3.2	11