

Nasser Alidoust

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11417807/publications.pdf>

Version: 2024-02-01

45
papers

12,556
citations

108046

37
h-index

263392

45
g-index

46
all docs

46
docs citations

46
times ranked

8859
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Weyl fermions in a magnetic non-centrosymmetric crystal. Nature Communications, 2020, 11, 3356.	5.8	55
2	Topological chiral crystals with helicoid-arc quantum states. Nature, 2019, 567, 500-505.	13.7	249
3	Magnetic and noncentrosymmetric Weyl fermion semimetals in the R		

#	ARTICLE	IF	CITATIONS
19	Electronic structure and relaxation dynamics in a superconducting topological material. Scientific Reports, 2016, 6, 22557.	1.6	21
20	Atomic-Scale Visualization of Quantum Interference on a Weyl Semimetal Surface by Scanning Tunneling Microscopy. ACS Nano, 2016, 10, 1378-1385.	7.3	112
21	Prediction of an arc-tunable Weyl Fermion metallic state in MoxW1-xTe2 . Nature Communications, 2016, 7, 10639.	5.8	249
22	Topological nodal-line fermions in spin-orbit metal PbTaSe2 . Nature Communications, 2016, 7, 10556.	5.8	688
23	Criteria for Directly Detecting Topological Fermi Arcs in Weyl Semimetals. Physical Review Letters, 2016, 116, 066802.	2.9	134
24	New type of Weyl semimetal with quadratic double Weyl fermions. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1180-1185.	3.3	291
25	Surface versus bulk Dirac state tuning in a three-dimensional topological Dirac semimetal. Physical Review B, 2015, 91, .	1.1	16
26	Fermi surface topology and hot spot distribution in the Kondo lattice system $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \langle \text{mml:mi mathvariant="bold"} \rangle \text{CeB} \langle \text{mml:mi} \langle \text{mml:mn mathvariant="bold"} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2015, 92, .	1.1	29
27	Tunable spin helical Dirac quasiparticles on the surface of three-dimensional HgTe . Physical Review B, 2015, 92, .	1.1	19
28	Fermi surface interconnectivity and topology in Weyl fermion semimetals TaAs , TaP , NbAs , and NbP . Physical Review B, 2015, 92, .	1.1	127
29	Gigantic Surface Lifetime of an Intrinsic Topological Insulator. Physical Review Letters, 2015, 115, 116801.	2.9	84
30	Experimental discovery of a topological Weyl semimetal state in TaP . Science Advances, 2015, 1, e1501092.	4.7	337
31	Non-Kondo-like Electronic Structure in the Correlated Rare-Earth Hexaboride $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext mathvariant="bold"} \rangle \text{Y} \langle \text{mml:mtext} \langle \text{mml:mtext mathvariant="bold"} \rangle \text{b} \langle \text{mml:mtext} \langle \text{mml:mtext mathvariant="bold"} \rangle \text{B} \langle \text{mml:mtext} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. Physical Review Letters, 2015, 114, 016403.	2.9	46
32	A Weyl Fermion semimetal with surface Fermi arcs in the transition metal monpnictide TaAs class. Nature Communications, 2015, 6, 7373.	5.8	1,336
33	Discovery of a Weyl fermion semimetal and topological Fermi arcs. Science, 2015, 349, 613-617.	6.0	2,753
34	Unconventional transformation of spin Dirac phase across a topological quantum phase transition. Nature Communications, 2015, 6, 6870.	5.8	34
35	Bulk crystal growth and electronic characterization of the 3D Dirac semimetal Na3Bi . APL Materials, 2015, 3, .	2.2	76
36	Discovery of a Weyl fermion state with Fermi arcs in niobium arsenide. Nature Physics, 2015, 11, 748-754.	6.5	817

#	ARTICLE	IF	CITATIONS
37	Observation of Fermi arc surface states in a topological metal. <i>Science</i> , 2015, 347, 294-298.	6.0	603
38	Observation of a three-dimensional topological Dirac semimetal phase in high-mobility Cd ₃ As ₂ . <i>Nature Communications</i> , 2014, 5, 3786.	5.8	1,166
39	Observation of quantum-tunnelling-modulated spin texture in ultrathin topological insulator Bi ₂ Se ₃ films. <i>Nature Communications</i> , 2014, 5, 3841.	5.8	112
40	Observation of topological surface state quantum Hall effect in an intrinsic three-dimensional topological insulator. <i>Nature Physics</i> , 2014, 10, 956-963.	6.5	352
41	Momentum-space imaging of Cooper pairing in a half-Dirac-gas topological superconductor. <i>Nature Physics</i> , 2014, 10, 943-950.	6.5	134
42	Spin-correlated electronic state on the surface of a spin-orbit Mott system. <i>Physical Review B</i> , 2014, 90, .	1.1	11
43	Observation of monolayer valence band spin-orbit effect and induced quantum well states in MoX ₂ . <i>Nature Communications</i> , 2014, 5, 4673.	5.8	121
44	Optical evidence of surface state suppression in Bi-based topological insulators. <i>Physical Review B</i> , 2014, 89, .	1.1	56
45	Hedgehog spin texture and Berry's phase tuning in a magnetic topological insulator. <i>Nature Physics</i> , 2012, 8, 616-622.	6.5	353