

Daniel Steve Sanchez

List of Publications by Year in descending order

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36
papers

9,250
citations

147726

31
h-index

345118

36
g-index

37
all docs

37
docs citations

37
times ranked

5883
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	Unconventional Photocurrents from Surface Fermi Arcs in Topological Chiral Semimetals. Physical Review Letters, 2020, 124, 166404.	2.9	40
3	Crystal growth and quantum oscillations in the topological chiral semimetal CoSi. Physical Review B, 2019, 100, .	1.1	48
4	Discovery of topological Weyl fermion lines and drumhead surface states in a room temperature magnet. Science, 2019, 365, 1278-1281.	6.0	374
5	Topological chiral crystals with helicoid-arc quantum states. Nature, 2019, 567, 500-505. Magnetic and noncentrosymmetric Weyl fermion semimetals in the R	13.7	249
6			

#	ARTICLE	IF	CITATIONS
19	Observation of topological nodal fermion semimetal phase in ZrSiS. Physical Review B, 2016, 93, .	1.1	309
20	Observation of metallic surface states in the strongly correlated Kitaev-Heisenberg candidate $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Na} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2016, 93, .	1.1	16
21	Signatures of Fermi Arcs in the Quasiparticle Interferences of the Weyl Semimetals TaAs and NbP. Physical Review Letters, 2016, 116, 066601.	2.9	54
22	Spin Polarization and Texture of the Fermi Arcs in the Weyl Fermion Semimetal TaAs. Physical Review Letters, 2016, 116, 096801.	2.9	102
23	A strongly robust type II Weyl fermion semimetal state in Ta ₃ S ₂ . Science Advances, 2016, 2, e1600295.	4.7	114
24	Observation of the spin-polarized surface state in a noncentrosymmetric superconductor BiPd. Nature Communications, 2016, 7, 13315.	5.8	42
25	Signatures of the Adler-Bell-Jackiw chiral anomaly in a Weyl fermion semimetal. Nature Communications, 2016, 7, 10735.	5.8	603
26	Electronic structure and relaxation dynamics in a superconducting topological material. Scientific Reports, 2016, 6, 22557.	1.6	21
27	Atomic-Scale Visualization of Quantum Interference on a Weyl Semimetal Surface by Scanning Tunneling Microscopy. ACS Nano, 2016, 10, 1378-1385.	7.3	112
28	Prediction of an arc-tunable Weyl Fermion metallic state in MoxW1-xTe2. Nature Communications, 2016, 7, 10639.	5.8	249
29	Topological nodal-line fermions in spin-orbit metal PbTaSe2. Nature Communications, 2016, 7, 10556.	5.8	688
30	Criteria for Directly Detecting Topological Fermi Arcs in Weyl Semimetals. Physical Review Letters, 2016, 116, 066802.	2.9	134
31	Surface versus bulk Dirac state tuning in a three-dimensional topological Dirac semimetal. Physical Review B, 2015, 91, .	1.1	16
32	Fermi surface topology and hot spot distribution in the Kondo lattice system $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="bold"} \rangle \text{CeB} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \text{mathvariant="bold"} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2015, 92, .	1.1	29
33	Fermi surface interconnectivity and topology in Weyl fermion semimetals TaAs, TaP, NbAs, and NbP. Physical Review B, 2015, 92, .	1.1	127
34	Experimental discovery of a topological Weyl semimetal state in TaP. Science Advances, 2015, 1, e1501092.	4.7	337
35	Discovery of a Weyl fermion semimetal and topological Fermi arcs. Science, 2015, 349, 613-617.	6.0	2,753
36	Discovery of a Weyl fermion state with Fermi arcs in niobium arsenide. Nature Physics, 2015, 11, 748-754.	6.5	817