

# Simin Nie

## List of Publications by Year in descending order

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43  
papers

2,285  
citations

236612

25  
h-index

264894

42  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3039  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic evidence of temperature-induced Lifshitz transition and topological nature in ZrTe <sub>5</sub> . Nature Communications, 2017, 8, 15512.	5.8	190
2	Observation of Fermi arc and its connection with bulk states in the candidate type-II Weyl semimetal $WTe_2$ . Physical Review B, 2016, 94, .	1.1	182
3	Body-Centered Orthorhombic $C_2$ A Novel Topological Node-Line Semimetal. Physical Review Letters, 2016, 116, 195501.	2.9	170
4	Two-dimensional oxide topological insulator with iron-pnictide superconductor LiFeAs structure. Physical Review B, 2015, 92, .	1.1	150
5	Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of EuCd <sub>2</sub> As <sub>2</sub> . Science Advances, 2019, 5, eaaw4718.	4.7	122
6	Experimental evidence of hourglass fermion in the candidate nonsymmorphic topological insulator KHgSb. Science Advances, 2017, 3, e1602415.	4.7	121
7	Observation of Fermi-Arc Spin Texture in TaAs. Physical Review Letters, 2015, 115, 217601.	2.9	115
8	Evidence for Topological Edge States in a Large Energy Gap near the Step Edges on the Surface of $ZrTe_5$ . Physical Review X, 2016, 6, .	2.8	105
9	Dirac semimetal in type-IV magnetic space groups. Physical Review B, 2018, 98, .	1.1	97
10	Topological Nodal-Net Semimetal in a Graphene Network Structure. Physical Review Letters, 2018, 120, 026402.	2.9	93
11	Quantum spin Hall effect in two-dimensional transition-metal dichalcogenide haeckelites. Physical Review B, 2015, 91, .	1.1	80
12	Magnetic Semimetals and Quantized Anomalous Hall Effect in EuB <sub>6</sub> . Physical Review Letters, 2020, 124, 076403.	2.9	65
13	Topological nodal-line semimetals in ferromagnetic rare-earth-metal monohalides. Physical Review B, 2019, 99, .	1.1	51
14	Emergence of Nontrivial Low-Energy Dirac Fermions in Antiferromagnetic EuCd <sub>2</sub> As <sub>2</sub> . Advanced Materials, 2020, 32, e1907565.	11.1	51
15	Magnetic topological insulator $MnBi_6Te_{10}$ . Physical Review B, 2020, 102, .	1.1	50
16	Observation of anomalous temperature dependence of spectrum on small Fermi surfaces in a $BiS_2$ -based superconductor. Physical Review B, 2014, 90, .	1.1	48
17	Orthorhombic carbon oC <sub>24</sub> : A novel topological nodal line semimetal. Carbon, 2018, 133, 39-43.	5.4	48
18	Topological phases in the $TaSe_3$ compound. Physical Review B, 2018, 98, .	1.1	44

#	ARTICLE	IF	CITATIONS
19	Observation and control of the weak topological insulator state in ZrTe5. Nature Communications, 2021, 12, 406.	5.8	43
20	Topological semimetal in honeycomb lattice LnSI. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10596-10600.	3.3	42
21	Sixfold excitations in electrifieds. Physical Review Research, 2021, 3, .	1.3	37
22	Raman scattering investigation of the electron-phonon coupling in superconducting Nd(O,F)BiS <sub>2</sub> . Physical Review B, 2014, 90, .	1.1	36
23	Mapping Dirac fermions in the intrinsic antiferromagnetic topological insulators		

#	ARTICLE	IF	CITATIONS
37	Weyl semimetals with $S^4$ symmetry. Physical Review B, 2020, 101, .	1.1	10
38	Observation of topological edge states in the quantum spin Hall insulator $Ta_{1-x}Sb_x$ . Physical Review B, 2021, 104, .	1.1	10
39	Band gap anomaly and topological properties in lead chalcogenides. Chinese Physics B, 2016, 25, 037311.	0.7	8
40	Multiple mobile excitons manifested as sidebands in quasi-one-dimensional metallic TaSe3. Nature Materials, 2022, 21, 423-429.	13.3	8
41	Topological insulators in the NaCaBi family with large spin-orbit coupling gaps. Physical Review Research, 2021, 3, .	1.3	7
42	First Principle Calculation of the Effective Zeeman's Couplings in Topological Materials. , 2021, , 263-281.	1.1	6
43	Discovery of $\hat{C}_2$ rotation anomaly in topological crystalline insulator SrPb. Nature Communications, 2021, 12, 2052.	5.8	5