

# Peng Deng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11291326/publications.pdf>

Version: 2024-02-01

21  
papers

2,563  
citations

516215

16  
h-index

794141

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

3982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface-Induced High-Temperature Superconductivity in Single Unit-Cell FeSe Films on SrTiO <sub>3</sub> . Chinese Physics Letters, 2012, 29, 037402.	1.3	972
2	Experimental observation of topological Fermi arcs in type-II Weyl semimetal MoTe <sub>2</sub> . Nature Physics, 2016, 12, 1105-1110.	6.5	663
3	Phase separation and magnetic order in K-doped iron selenide superconductor. Nature Physics, 2012, 8, 126-130.	6.5	280
4	Room-Temperature Spin-Orbit Torque from Topological Surface States. Physical Review Letters, 2019, 123, 207205.	2.9	129
5	$\text{KFe}_2\text{Se}_3$ the Parent Compound of K-Doped Iron Selenide Superconductors. Physical Review Letters, 2012, 109, 057003.	2.9	101
6	Spin-Orbit Torque Switching of a Nearly Compensated Ferrimagnet by Topological Surface States. Advanced Materials, 2019, 31, e1901681.	11.1	81
7	Power-law decay of standing waves on the surface of topological insulators. Physical Review B, 2011, 84, .	1.1	69
8	Proximity-Induced Magnetic Order in a Transferred Topological Insulator Thin Film on a Magnetic Insulator. ACS Nano, 2018, 12, 5042-5050.	7.3	41
9	Stripes developed at the strong limit of nematicity in FeSe film. Nature Physics, 2017, 13, 957-961.	6.5	35
10	Probing the low-temperature limit of the quantum anomalous Hall effect. Science Advances, 2020, 6, eaaz3595.	4.7	35
11	Strongly Surface State Carrier-Dependent Spin-Orbit Torque in Magnetic Topological Insulators. Advanced Materials, 2020, 32, e1907661.	11.1	29
12	Observation of Quantum Anomalous Hall Effect and Exchange Interaction in Topological Insulator/Antiferromagnet Heterostructure. Advanced Materials, 2020, 32, e2001460.	11.1	27
13	Revealing Fermi arcs and Weyl nodes in MoTe <sub>2</sub> by quasiparticle interference mapping. Physical Review B, 2017, 95, .	1.1	21
14	Termination switching of antiferromagnetic proximity effect in topological insulator. Science Advances, 2020, 6, eaaz8463.	4.7	20
15	An Efficient Control-Driven Period Optimization Algorithm for Distributed Real-Time Systems. IEEE Transactions on Computers, 2016, 65, 3552-3566.	2.4	19
16	Edge States at Nematic Domain Walls in FeSe Films. Nano Letters, 2018, 18, 7176-7180.	4.5	16
17	Mesoscopic Transport of Quantum Anomalous Hall Effect in the Submicron Size Regime. Physical Review Letters, 2022, 128, .	2.9	12
18	Superconductivity in a single-layer alkali-doped FeSe: A weakly coupled two-leg ladder system. Physical Review B, 2013, 88, .	1.1	11

#	ARTICLE	IF	CITATIONS
19	Interfacial States and Fanoâ€™Feshbach Resonance in Grapheneâ€™Silicon Vertical Junction. Nano Letters, 2019, 19, 6765-6771.	4.5	2
20	MSim: A general cycle accurate simulation platform for memcomputing studies. , 2014, , .		0
21	MSim: A general cycle accurate simulation platform for memcomputing studies. , 2014, , .		0