

# Dong Qian

## List of Publications by Year in descending order

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67  
papers

6,888  
citations

218592

26  
h-index

114418

63  
g-index

67  
all docs

67  
docs citations

67  
times ranked

8320  
citing authors



#	ARTICLE	IF	CITATIONS
19	Anisotropic Topological Surface States on High-Index Bi <sub>2</sub> Se <sub>3</sub> Films. <i>Advanced Materials</i> , 2013, 25, 1557-1562.	11.1	44
20	Topologically nontrivial bismuth(111) thin films. <i>Scientific Reports</i> , 2016, 6, 21326.	1.6	35
21	Antiferromagnetic Order in Epitaxial FeSe Films on $\text{SrTiO}_3$ . <i>Physical Review Letters</i> , 2018, 120, 097001.	2.9	35
22	Non-Coulomb strong electron-hole binding in $\text{TaTe}_2$ revealed by time- and angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2020, 101, .	12.1	135
23	Spin-orbital ground states of superconducting doped topological insulators: A Majorana platform. <i>Physical Review B</i> , 2011, 83, .	1.1	33
24	Identifying Magnetic Anisotropy of the Topological Surface State of $\text{CrSb}$ Spin-Polarized STM. <i>Physical Review Letters</i> , 2013, 111, 176802.	2.9	33
25	Evolution of the electronic structure in ultrathin Bi(111) films. <i>Physical Review B</i> , 2015, 91, .	1.1	29
26	Fermi-crossing Type-II Dirac fermions and topological surface states in NiTe <sub>2</sub> . <i>Scientific Reports</i> , 2020, 10, 12957.	1.6	29
27	Interface structure of a topological insulator/superconductor heterostructure. <i>New Journal of Physics</i> , 2014, 16, 123043.	1.2	25
28	Four-dimensional imaging of the initial stage of fast evolving plasmas. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	24
29	Possible structural origin of superconductivity in Sr-doped $\text{Bi}_2\text{Se}_3$ . <i>Physical Review B</i> , 2011, 83, .	0.9	23
30	Light-induced dimension crossover dictated by excitonic correlations. <i>Nature Communications</i> , 2022, 13, 963.	5.8	23
31	Carrier density dependence of the magnetic properties in iron-doped Bi <sub>2</sub> Se <sub>3</sub> topological insulator. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	22
32	Carriers dependence of the magnetic properties in magnetic topological insulator $\text{Sb}_{1.95}\text{Bi}_{0.05}\text{Te}_3$ . <i>Applied Physics Letters</i> , 2012, 101, 072406.	1.5	21
33	Anisotropic Transport and Quantum Oscillations in the Quasi-One-Dimensional TaNiTe <sub>5</sub> : Evidence for the Nontrivial Band Topology. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7782-7789.	2.1	21
34	Development of in situ two-coil mutual inductance technique in a multifunctional scanning tunneling microscope. <i>Review of Scientific Instruments</i> , 2017, 88, 073902.	0.6	20
35	Development of micro-four-point probe in a scanning tunneling microscope for in situ electrical transport measurement. <i>Review of Scientific Instruments</i> , 2015, 86, 053903.	0.6	17
36	Extreme magnetoresistance and pressure-induced superconductivity in the topological semimetal candidate YBi. <i>Physical Review B</i> , 2019, 99, .	1.1	17

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37	Wave-like superconducting state and electronic structure in Ir <sub>2</sub> Pd <sub>3</sub> Te <sub>5</sub> . Physical Review B, 2014, 89, .	1.1	16
38	Orbit- and atom-resolved spin textures of intrinsic, extrinsic, and hybridized Dirac cone states. Physical Review B, 2014, 89, .	1.1	13
39	Topological edge states and electronic structures of a 2D topological insulator: Single-bilayer Bi (111). Chinese Physics B, 2013, 22, 067304.	0.7	12
40	Strongly compressed Bi (111) bilayer films on Bi <sub>2</sub> Se <sub>3</sub> studied by scanning tunneling microscopy. Applied Physics Letters, 2015, 107, .	1.5	12
41	Zeeman effect of the topological surface states revealed by quantum oscillations up to 91 Tesla. Physical Review B, 2015, 92, .	1.1	11
42	Atomically flat superconducting NbN thin films grown on SrTiO <sub>3</sub> (111) by plasma-assisted MBE. APL Materials, 2017, 5, .	2.2	11
43	Magnetic anisotropy of van der Waals absorbed iron(II) phthalocyanine layer on Bi <sub>2</sub> Te <sub>3</sub> . Physical Review B, 2014, 89, .	1.1	10
44	Spin-split valence bands of the ferromagnetic insulator Cr <sub>2</sub> Ge <sub>2</sub> Te <sub>6</sub> studied by angle-resolved photoemission spectroscopy. Journal of Applied Physics, 2020, 127, .	1.1	10
45	Band Structures of Ultrathin Bi(110) Films on Black Phosphorus Substrates Using Angle-Resolved Photoemission Spectroscopy. Chinese Physics Letters, 2018, 35, 077102.	1.3	9
46	Kondo behavior and metamagnetic phase transition in the heavy-fermion compound CeBi <sub>2</sub> . Physical Review B, 2018, 97, .	1.1	9
47	Topological Dirac surface states in ternary compounds GeBi <sub>2</sub> Te <sub>4</sub> , SnBi <sub>2</sub> Te <sub>4</sub> and Sn <sub>0.571</sub> Bi <sub>2.286</sub> Se <sub>4</sub> *. Surface and bulk contributions to the second-harmonic generation in Bi <sub>2</sub> Te <sub>3</sub> . Physical Review B, 2019, 100, 041407.	0.7	8
48	Coexistence of Ferroelectriclike Polarization and Dirac-like Surface State in PtBi <sub>2</sub> . Physical Review Letters, 2022, 128, 106802.	1.1	7
49	Coexistence of Ferroelectriclike Polarization and Dirac-like Surface State in PtBi <sub>2</sub> . Physical Review Letters, 2022, 128, 106802.	2.9	7
50	Patterning Graphene Films by H <sub>2</sub> O-Based Magnetic-Assisted UV Photolysis. ACS Applied Materials & Interfaces, 2020, 12, 55382-55389.	4.0	6
51	The Layer-Inserting Growth of Antiferromagnetic Topological Insulator MnBi <sub>2</sub> Te <sub>4</sub> Based on Symmetry and Its X-ray Photoelectron Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1485-1493.	0.8	6
52	Electronic structure of non-centrosymmetric PtBi <sub>2</sub> studied by angle-resolved photoemission spectroscopy. Journal of Applied Physics, 2020, 128, .	1.1	5
53	Transport property of multi-band topological material PtBi <sub>2</sub> studied by maximum entropy mobility spectrum analysis (MEMSA). Scientific Reports, 2021, 11, 6249.	1.6	5
54	Magnetic properties of the quasi two-dimensional centered honeycomb antiferromagnet GdInO <sub>3</sub> . Physical Review B, 2021, 104, .	1.5	5

#	ARTICLE	IF	CITATIONS
55	Two-dimensional topological insulators with large bulk energy gap. Chinese Physics B, 2016, 25, 117312.	0.7	4
56	Metastable Face-Centered Cubic Structure and Structural Transition of Sn on 2H-NbSe <sub>2</sub> (0001). Chinese Physics Letters, 2018, 35, 066802.	1.3	4
57	Electronic properties of aluminum/CdZnTe interfaces. Applied Physics Letters, 2013, 102, 211602.	1.5	3
58	Electronic structure of Ba (Zn <sub>0.875</sub> Mn <sub>0.125</sub> ) <sub>2</sub> As <sub>2</sub> . Applied Physics Letters, 2017, 111, .	1.5	3
59	Growth and structural characterisation of Sr-doped Bi <sub>2</sub> Se <sub>3</sub> thin films. Scientific Reports, 2018, 8, 2192.	1.6	3
60	Identify the Nematic Superconductivity of Topological Superconductor Pd <sub>x</sub> Bi <sub>2</sub> Te <sub>3</sub> by Angle-dependent Upper Critical Field Measurement. Journal of Superconductivity and Novel Magnetism, 2021, 34, 3045-3052.	0.8	3
61	Oxidizing Hexagonal Boron Nitride into Fluorescent Structures by Photodissociated Directional Oxygen Radical. Journal of Physical Chemistry Letters, 2022, 13, 3369-3376.	2.1	3
62	Surface states in lightly hole-doped sodium cobaltate $\text{Na}_{1-x}\text{CoO}_2$		
63	Bulk intrinsic heterogeneity of metallic glasses probed by Meissner effect. Intermetallics, 2020, 119, 106721.	1.8	1
64	Physical Vapor Deposition Growth of Ultrathin Molybdenum Dioxide Nanosheets with Excellent Conductivity. Advanced Engineering Materials, 0, , 2101358.	1.6	1
65	ANGLE-RESOLVED PHOTOEMISSION SPECTROSCOPY (ARPES) OF Na <sub>0.7</sub> CoO <sub>2</sub> . International Journal of Modern Physics B, 2005, 19, 345-351.	1.0	0
66	THE ADSORPTION AND DESORPTION OF OXYGEN ON CdZnTe (111)B-(2 Å <sup>-2</sup> ) SURFACE. Surface Review and Letters, 2013, 20, 1320001.	0.5	0
67	Anisotropic surface state in a topological semimetal candidate Ta <sub>3</sub> SiTe <sub>6</sub> . Applied Physics Letters, 2022, 120, 041602.	1.5	0