Dong Qian

List of Publications by Year in Descending Order

65 papers	5,387 citations	22 h-index	67 g-index
67 ext. papers	6,278 ext. citations	7.5 avg, IF	5.19 L-index

#	Paper	IF	Citations
65	Anisotropic surface state in a topological semimetal candidate Ta3SiTe6. *Applied Physics Letters*, **2022**, 120, 041602	3.4	
64	Light-induced dimension crossover dictated by excitonic correlations.. *Nature Communications*, **2022**, 13, 963	17.4	0
63	Coexistence of Ferroelectriclike Polarization and Dirac-like Surface State in TaNiTe_{5}.. *Physical Review Letters*, **2022**, 128, 106802	7.4	1
62	Oxidizing Hexagonal Boron Nitride into Fluorescent Structures by Photodissociated Directional Oxygen Radical.. *Journal of Physical Chemistry Letters*, **2022**, 3369-3376	6.4	0
61	Identify the Nematic Superconductivity of Topological Superconductor Pd(_x)Bi(_2)Te(_3) by Angle-dependent Upper Critical Field Measurement. *Journal of Superconductivity and Novel Magnetism*, **2021**, 34, 3045	1.5	0
60	The Layer-Inserting Growth of Antiferromagnetic Topological Insulator MnBi2Te4 Based on Symmetry and Its X-ray Photoelectron Spectroscopy. *Journal of Superconductivity and Novel Magnetism*, **2021**, 34, 1485	1.5	2
59	Transport property of multi-band topological material PtBi[Formula: see text] studied by maximum entropy mobility spectrum analysis (MEMSA). *Scientific Reports*, **2021**, 11, 6249	4.9	2
58	Optical manipulation of electronic dimensionality in a quantum material. *Nature*, **2021**, 595, 239-244	50.4	11
57	Breaking 50 Femtosecond Resolution Barrier in MeV Ultrafast Electron Diffraction with a Double Bend Achromat Compressor. *Physical Review Letters*, **2020**, 124, 134803	7.4	33
56	Non-Coulomb strong electron-hole binding in Ta2NiSe5 revealed by time- and angle-resolved photoemission spectroscopy. *Physical Review B*, **2020**, 101,	3.3	12
55	Bulk intrinsic heterogeneity of metallic glasses probed by Meissner effect. *Intermetallics*, **2020**, 119, 106731	3.5	0
54	Spin-split valence bands of the ferromagnetic insulator Cr2Ge2Te6 studied by angle-resolved photoemission spectroscopy. *Journal of Applied Physics*, **2020**, 127, 023901	2.5	3
53	Electronic structure of non-centrosymmetric PtBi2 studied by angle-resolved photoemission spectroscopy. *Journal of Applied Physics*, **2020**, 128, 135103	2.5	2
52	Patterning Graphene Films by HO-Based Magnetic-Assisted UV Photolysis. *ACS Applied Materials & Interfaces*, **2020**, 12, 55382-55389	9.5	4
51	Anisotropic Transport and Quantum Oscillations in the Quasi-One-Dimensional TaNiTe: Evidence for the Nontrivial Band Topology. *Journal of Physical Chemistry Letters*, **2020**, 11, 7782-7789	6.4	11
50	Fermi-crossing Type-II Dirac fermions and topological surface states in NiTe. *Scientific Reports*, **2020**, 10, 12957	4.9	10
49	Extreme magnetoresistance and pressure-induced superconductivity in the topological semimetal candidate YBi. *Physical Review B*, **2019**, 99,	3.3	8

48	Antiferromagnetic Order in Epitaxial FeSe Films on SrTiO_{3}. *Physical Review Letters*, **2018**, 120, 097001	7.4	22
47	Growth and structural characterisation of Sr-doped BiSe thin films. *Scientific Reports*, **2018**, 8, 2192	4.9	2
46	Topological Type-II Dirac Fermions Approaching the Fermi Level in a Transition Metal Dichalcogenide NiTe2. *Chemistry of Materials*, **2018**, 30, 4823-4830	9.6	57
45	Band Structures of Ultrathin Bi(110) Films on Black Phosphorus Substrates Using Angle-Resolved Photoemission Spectroscopy. *Chinese Physics Letters*, **2018**, 35, 077102	1.8	6
44	Kondo behavior and metamagnetic phase transition in the heavy-fermion compound CeBi2. *Physical Review B*, **2018**, 97,	3.3	3
43	Metastable Face-Centered Cubic Structure and Structural Transition of Sn on 2H-NbSe 2 (0001). *Chinese Physics Letters*, **2018**, 35, 066802	1.8	4
42	Possible structural origin of superconductivity in Sr-doped Bi2Se3. *Physical Review Materials*, **2018**, 2,	3.2	17
41	Quasiparticle interference and nonsymmorphic effect on a floating band surface state of ZrSiSe. *Nature Communications*, **2018**, 9, 4153	17.4	31
40	Coexistence of Topological Edge State and Superconductivity in Bismuth Ultrathin Film. *Nano Letters*, **2017**, 17, 3035-3039	11.5	46
39	Electronic structure of Ba (Zn0.875Mn0.125)2As2. *Applied Physics Letters*, **2017**, 111, 062106	3.4	3
38	Development of in situ two-coil mutual inductance technique in a multifunctional scanning tunneling microscope. *Review of Scientific Instruments*, **2017**, 88, 073902	1.7	13
37	Atomically flat superconducting NbN thin films grown on SrTiO3 (111) by plasma-assisted MBE. *APL Materials*, **2017**, 5, 126107	5.7	7
36	Surface and bulk contributions to the second-harmonic generation in Bi2Se3. *Physical Review B*, **2016**, 94,	3.3	4
35	Majorana Zero Mode Detected with Spin Selective Andreev Reflection in the Vortex of a Topological Superconductor. *Physical Review Letters*, **2016**, 116, 257003	7.4	343
34	Topologically nontrivial bismuth(111) thin films. *Scientific Reports*, **2016**, 6, 21326	4.9	29
33	Two-dimensional topological insulators with large bulk energy gap. *Chinese Physics B*, **2016**, 25, 117312	1.2	3
32	Experimental detection of a Majorana mode in the core of a magnetic vortex inside a topological insulator-superconductor Bi(2)Te(3)/NbSe(2) heterostructure. *Physical Review Letters*, **2015**, 114, 017001	7.4	317
31	Epitaxial growth of two-dimensional stanene. *Nature Materials*, **2015**, 14, 1020-5	27	1153

30	Development of micro-four-point probe in a scanning tunneling microscope for in situ electrical transport measurement. *Review of Scientific Instruments*, **2015**, 86, 053903	1.7	16
29	Surface states in lightly hole-doped sodium cobaltate Na1−xCoO2. *Physical Review B*, **2015**, 91,	3.3	2
28	Superconductivity above 100 K in single-layer FeSe films on doped SrTiO3. *Nature Materials*, **2015**, 14, 285-9	27	770
27	Zeeman effect of the topological surface states revealed by quantum oscillations up to 91 Tesla. *Physical Review B*, **2015**, 92,	3.3	7
26	Evolution of the electronic structure in ultrathin Bi(111) films. *Physical Review B*, **2015**, 91,	3.3	24
25	Electronic structure of a superconducting topological insulator Sr-doped Bi2Se3. *Applied Physics Letters*, **2015**, 107, 171602	3.4	46
24	Strongly compressed Bi (111) bilayer films on Bi2Se3 studied by scanning tunneling microscopy. *Applied Physics Letters*, **2015**, 107, 121601	3.4	9
23	Artificial Topological Superconductor by the Proximity Effect. *Physical Review Letters*, **2014**, 112,	7.4	162
22	Electronic structure of black phosphorus studied by angle-resolved photoemission spectroscopy. *Physical Review B*, **2014**, 90,	3.3	73
21	Interface structure of a topological insulator/superconductor heterostructure. *New Journal of Physics*, **2014**, 16, 123043	2.9	20
20	Magnetic anisotropy of van der Waals absorbed iron(II) phthalocyanine layer on Bi2Te3. *Physical Review B*, **2014**, 90,	3.3	9
19	Orbit- and atom-resolved spin textures of intrinsic, extrinsic, and hybridized Dirac cone states. *Physical Review B*, **2014**, 89,	3.3	13
18	Fully gapped s-wave-like superconducting state and electronic structure in Ir0.95Pd0.05Te2 single crystals with strong spin-orbital coupling. *Physical Review B*, **2014**, 89,	3.3	14
17	Topological edge states and electronic structures of a 2D topological insulator: Single-bilayer Bi (111). *Chinese Physics B*, **2013**, 22, 067304	1.2	11
16	Anisotropic topological surface states on high-index Bi2Se3 films. *Advanced Materials*, **2013**, 25, 1557-62	24	39
15	Creation of helical Dirac fermions by interfacing two gapped systems of ordinary fermions. *Nature Communications*, **2013**, 4, 1384	17.4	71
14	Identifying magnetic anisotropy of the topological surface state of Cr(0.05)Sb(1.95)Te(3) with spin-polarized STM. *Physical Review Letters*, **2013**, 111, 176802	7.4	30
13	Electronic properties of aluminum/CdZnTe interfaces. *Applied Physics Letters*, **2013**, 102, 211602	3.4	3

12	Carrier density dependence of the magnetic properties in iron-doped Bi2Se3 topological insulator. *Journal of Applied Physics*, **2013**, 113, 043926	2.5	21
11	THE ADSORPTION AND DESORPTION OF OXYGEN ON CdZnTe (111)B-(2 □2) SURFACE. *Surface Review and Letters*, **2013**, 20, 1320001	1.1	
10	The coexistence of superconductivity and topological order in the Bi□Se□thin films. *Science*, **2012**, 336, 52-5	33.3	371
9	Spatial and energy distribution of topological edge states in single Bi(111) bilayer. *Physical Review Letters*, **2012**, 109, 016801	7.4	246
8	Carriers dependence of the magnetic properties in magnetic topological insulator Sb1.95□BixCr0.05Te3. *Applied Physics Letters*, **2012**, 101, 072406	3.4	20
7	Large magnetic moment of gadolinium substituted topological insulator: Bi1.98Gd0.02Se3. *Applied Physics Letters*, **2012**, 100, 242403	3.4	43
6	Spin-orbital ground states of superconducting doped topological insulators: A Majorana platform. *Physical Review B*, **2011**, 83,	3.3	28
5	Observation of topological order in a superconducting doped topological insulator. *Nature Physics*, **2010**, 6, 855-859	16.2	350
4	Four-dimensional imaging of the initial stage of fast evolving plasmas. *Applied Physics Letters*, **2010**, 97, 211501	3.4	22
3	Topological surface states protected from backscattering by chiral spin texture. *Nature*, **2009**, 460, 1106-9	50.4	805
2	ANGLE-RESOLVED PHOTOEMISSION SPECTROSCOPY (ARPES) OF Na0.7CoO2. *International Journal of Modern Physics B*, **2005**, 19, 345-351	1.1	
1	Physical Vapor Deposition Growth of Ultrathin Molybdenum Dioxide Nanosheets with Excellent Conductivity. *Advanced Engineering Materials*,2101358	3.5	1