

Xi Chen

List of Publications by Year in descending order

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64
papers

10,851
citations

81900

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65
times ranked

10271
citing authors

#	ARTICLE	IF	CITATIONS
19	Superconductivity dichotomy in K-coated single and double unit cell FeSe films on SrTiO ₃ . Mass acquisition of Dirac fermions in magnetically doped topological insulator . Physical Review Letters, 2014, 112, 106801.	3.2	47
20	Simultaneous Electrical-Field-Effect Modulation of Both Top and Bottom Dirac Surface States of Epitaxial Thin Films of Three-Dimensional Topological Insulators. Nano Letters, 2015, 15, 1090-1094.	3.2	22
21	Probing Dirac Fermion Dynamics in Topological Insulator Bi ₂ Te ₃ with a Scanning Tunneling Microscope. Physical Review Letters, 2015, 114, 176602.	9.1	19
22	Molecular Beam Epitaxy Grown SnSe in the Rock Salt Structure: An Artificial Topological Crystalline Insulator Material. Advanced Materials, 2015, 27, 4150-4154.	21.0	83
23	Synthesis, Structure, and Phase Diagram: Film and STM. Springer Series in Materials Science, 2015, , 73-112.	0.6	0
24	Experimental Observation of Dirac-like Surface States and Topological Phase Transition in Pb _{1-x} Sn _x Te. Physical Review Letters, 2014, 112, 106801.	7.8	15
25	Growth of topological crystalline insulator SnTe thin films on Si(111) substrate by molecular beam epitaxy. Surface Science, 2014, 621, 104-108.	1.9	28
26	Scanning tunneling microscopy studies of topological insulators. Journal of Physics Condensed Matter, 2014, 26, 394003.	1.8	5
27	Molecular beam epitaxy and superconductivity of stoichiometric FeSe and K _x Fe _{2-x} Se ₂ crystalline films. Chinese Physics B, 2013, 22, 086801.	1.4	11
28	Fully gapped topological surface states in Bi ₂ Se ₃ films induced by a d-wave high-temperature superconductor. Nature Physics, 2013, 9, 621-625.	16.7	149
29	Thin Films of Magnetically Doped Topological Insulator with Carrier Independent Long-Range Ferromagnetic Order. Advanced Materials, 2013, 25, 1065-1070.	21.0	246
30	Phase diagram and electronic indication of high-temperature superconductivity at 65 K in single-layer FeSe films. Nature Materials, 2013, 12, 605-610.	27.5	706
31	Doping nature of Cu in epitaxial topological insulator Bi ₂ Te ₃ thin films. Surface Science, 2013, 617, 156-161.	1.9	3
32	Superconductivity in a single-layer alkali-doped FeSe: A weakly coupled two-leg ladder system. Physical Review B, 2013, 88, .	3.2	11
33	Transport properties of Sb ₂ Te ₃ /Bi ₂ Te ₃ topological insulator heterostructures. Physica Status Solidi - Rapid Research Letters, 2013, 7, 142-144.	2.4	14
34	Scanning tunneling microscopy of interface properties of Bi ₂ Se ₃ on FeSe. Journal of Physics Condensed Matter, 2012, 24, 475604.	1.8	12
35	Fermi-Level Tuning of Epitaxial Sb ₂ Te ₃ Films on Graphene by Regulating Intrinsic Defects and Substrate Transfer Doping. Physical Review Letters, 2012, 108, 066809.	7.8	152

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37	Landau Quantization and the Thickness Limit of Topological Insulator Thin Films of Sb_2Te_3 . Physical Review Letters, 2012, 108, 016401.	7.8	195
38	Charge state of single Fe impurities in the topological insulator Bi_2Se_3 : the Parent Compound of K-Doped Iron Selenide Superconductors. Physical Review Letters, 2012, 109, 057003.	7.8	101
39	Scanning tunneling microscopy studies of topological insulators. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 912-916.	3.2	42
40	Crossover between Weak Antilocalization and Weak Localization in a Magnetically Doped Topological Insulator. Physical Review Letters, 2012, 108, 036805.	7.8	295
41	Interface-Induced High-Temperature Superconductivity in Single Unit-Cell FeSe Films on SrTiO_3 . Chinese Physics Letters, 2012, 29, 037402.	3.3	972
42	Phase separation and magnetic order in K-doped iron selenide superconductor. Nature Physics, 2012, 8, 126-130.	16.7	280
43	Electronic origin of high-temperature superconductivity in single-layer FeSe superconductor. Nature Communications, 2012, 3, 931.	12.8	495
44	Topological p - n junction. Physical Review B, 2012, 85, .	3.2	79
45	Scanning tunneling microscopy studies of topological insulators. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 912-916.	2.7	11
46	Structural defects and electronic properties of the Cu-doped topological insulator Bi_2Se_3 . Physical Review B, 2011, 84, .	3.2	70
47	STM and MBE: one of the best combinations. Journal Physics D: Applied Physics, 2011, 44, 464007.	3.2	226
48	STM and MBE: one of the best combinations. Journal Physics D: Applied Physics, 2011, 44, 464007.	2.8	8
49	Molecular Beam Epitaxial Growth of Topological Insulators. Advanced Materials, 2011, 23, 1162-1165.	21.0	118
50	Topological Insulator Thin Films of Bi_2Te_3 with Controlled Electronic Structure. Advanced Materials, 2011, 23, 2929-2932.	21.0	194
51	Molecular-beam epitaxy and robust superconductivity of stoichiometric FeSe crystalline films on bilayer graphene. Physical Review B, 2011, 84, .	3.2	146
52	Power-law decay of standing waves on the surface of topological insulators. Physical Review B, 2011, 84, .	3.2	69
53	Landau Quantization of Topological Surface States in Bi_2Se_3 . Physical Review Letters, 2010, 105, 076801.	7.8	352
54	Atomically smooth ultrathin films of topological insulator Sb_2Te_3 . Nano Research, 2010, 3, 874-880.	10.4	104

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55	Intrinsic Topological Insulator Bi ₂ Te ₃ Thin Films on Si and Their Thickness Limit. <i>Advanced Materials</i> , 2010, 22, 4002-4007.	21.0	376
56	Superconductivity in one-atomic-layer metal films grown on Si(111). <i>Nature Physics</i> , 2010, 6, 104-108.	16.7	479
57	Crossover of the three-dimensional topological insulator Bi ₂ Se ₃ to the two-dimensional limit. <i>Nature Physics</i> , 2010, 6, 584-588.	16.7	1,227
58	Topological insulator Bi ₂ Se ₃ thin films grown on double-layer graphene by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	154
59	Application of magnetic atom induced bound states in superconducting gap for chemical identification of single magnetic atoms. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	20
60	Identifying Charge States of Molecules with Spin-Flip Spectroscopy. <i>Physical Review Letters</i> , 2009, 103, 257202.	7.8	52
61	Experimental Demonstration of Topological Surface States Protected by Time-Reversal Symmetry. <i>Physical Review Letters</i> , 2009, 103, 266803.	7.8	653
62	Probing Superexchange Interaction in Molecular Magnets by Spin-Flip Spectroscopy and Microscopy. <i>Physical Review Letters</i> , 2008, 101, 197208.	7.8	231
63	High-Resolution Scanning Tunneling Spectroscopy of Magnetic Impurity Induced Bound States in the Superconducting Gap of Pb Thin Films. <i>Physical Review Letters</i> , 2008, 100, 226801.	7.8	182
64	Manipulating the Kondo Resonance through Quantum Size Effects. <i>Physical Review Letters</i> , 2007, 99, 256601.	7.8	207