

# D L Feng

## List of Publications by Year in descending order

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94  
papers

9,115  
citations

53794

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43889

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g-index

94  
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94  
docs citations

94  
times ranked

6493  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lattice distortion and electronic structure of BaAg <sub>2</sub> As <sub>2</sub> across its nonmagnetic phase transition. Physical Review B, 2020, 101, .	3.2	1
2	Photoemission insight into the heavy-fermion behavior in $\text{Ce}_{1-x}\text{Th}_x\text{CoIn}_5$ with $x=0.85$ . Physical Review B, 2020, 101, .	3.2	1
3	Anomalous helimagnetic domain shrinkage due to the weakening of the Dzyaloshinskii-Moriya interaction in CrAs. Physical Review B, 2020, 102, .	3.2	3
4	Electronic structure and $f$ -electron character in $\text{Ce}_{1-x}\text{Th}_x\text{CoIn}_5$ studied by angle-resolved photoemission spectroscopy. Physical Review B, 2019, 99, .	3.2	14
5	Evidence of cooperative effect on the enhanced superconducting transition temperature at the FeSe/SrTiO <sub>3</sub> interface. Nature Communications, 2019, 10, 758.	12.8	86
6	Suppression of hybridization by Cd doping in $\text{CeCoIn}_5$ . Physical Review B, 2019, 100, .	3.2	5
7	Observation of gapped phases in potassium-doped single-layer $p$ -terphenyl on Au (111). Physical Review B, 2019, 99, .	3.2	7
8	Charge Transfer Effects in Naturally Occurring van der Waals Heterostructures $\text{PbSe}_{1-x}\text{Tl}_x$ . Physical Review B, 2019, 99, .	3.2	7

#	ARTICLE	IF	CITATIONS
19	Optical observation of spin-density-wave fluctuations in Ba122 iron-based superconductors. Physical Review B, 2016, 94, .	3.2	12
20	Electronic structure of $YFe_2As_2$ by angle-resolved photoemission spectroscopy. Physical Review B, 2016, 93, .	3.2	14
21	A unifying phase diagram with correlation-driven superconductor-to-insulator transition for the $122$ of iron chalcogenides. Physical Review B, 2016, 93, .	3.2	24
22	Tunable Fe-vacancy disorder-order transition in FeSe thin films. Physical Review B, 2016, 93, .	3.2	12
23	Observation of Dirac cone band dispersions in FeSe thin films by photoemission spectroscopy. Physical Review B, 2016, 93, .	3.2	41
24	Impurity scattering effects on the superconducting properties and the tetragonal-to-orthorhombic phase transition in FeSe. Physical Review B, 2016, 93, .	3.2	38
25	Surface electronic structure and evidence of plain $s$ -wave superconductivity in $122$		

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37	Electron Spectroscopy: ARPES. Springer Series in Materials Science, 2015, , 115-149.	0.6	0
38	Plain s-wave superconductivity in single-layer FeSe on SrTiO <sub>3</sub> probed by scanning tunnelling microscopy. Nature Physics, 2015, 11, 946-952.	16.7	148
39	Electronic structure reconstruction of Ca <sub>1-x</sub> Pr <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> in the collapsed tetragonal phase. Physical Review B, 2014, 90, .	3.2	5
40	Angle-resolved photoemission study of the electronic structure of the quantum spin liquid EtMe <sub>3</sub> Sb[Pd(dmit) <sub>2</sub> ] <sub>2</sub> . Physical Review B, 2014, 89, .	3.2	3
41	A stable three-dimensional topological Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> . Nature Materials, 2014, 13, 677-681.	27.5	1,242
42	Interfacial effects on the spin density wave in FeSe/SrTiO <sub>3</sub> thin films. Physical Review B, 2014, 89, .	3.2	52
43	NdO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> studied by angle-resolved photoemission spectroscopy. Physical Review B, 2014, 90, .	3.2	62
44	Tuning the band structure and superconductivity in single-layer FeSe by interface engineering. Nature Communications, 2014, 5, 5044.	12.8	202
45	Measurement of an Enhanced Superconducting Phase and a Pronounced Anisotropy of the Energy Gap of a Strained FeSe Single Layer in FeSe <sub>1-x</sub> Nb <sub>x</sub> . Physical Review Letters, 2014, 112, 107001.	7.8	117
46	Electronic structure of Eu <sub>0.79</sub> Ru <sub>0.21</sub> As <sub>2</sub> studied by angle-resolved photoemission spectroscopy. Journal of Physics Condensed Matter, 2014, 26, 265701.	1.8	2
47	Electronic structure of the BaTi <sub>2</sub> As <sub>2</sub> O parent compound of the titanium-based oxypnictide superconductor. Physical Review B, 2014, 89, .	3.2	14
48	Anisotropic but Nodeless Superconducting Gap in the Presence of Spin-Density Wave in Iron-Pnictide Superconductor NaFe <sub>1-x</sub> Co <sub>x</sub> . Physical Review X, 2013, 3, .	8.9	42
49	Observation of possible topological in-gap surface states in the Kondo insulator SmB <sub>6</sub> by photoemission. Nature Communications, 2013, 4, 3010.	12.8	244
50	Electronic structure of Ca <sub>10</sub> (Pt <sub>4</sub> As <sub>8</sub> )(Fe <sub>2-x</sub> Pt <sub>x</sub> As <sub>2</sub> ) <sub>5</sub> with metallic Pt <sub>4</sub> As <sub>8</sub> layers: An angle-resolved photoemission spectroscopy study. Physical Review B, 2013, 88, .	3.2	20
51	Dynamic behavior of valence-shell excitations of atomic neon studied by high-resolution inelastic x-ray scattering. Physical Review A, 2012, 85, .	2.5	28
52	Robust Nodal Superconductivity Induced by Isovalent Doping in Ba <sub>1-x</sub> Fe <sub>x</sub> . Physical Review X, 2012, 2, .	8.9	166
53	Growth and characterization of Bi <sub>2</sub> Se <sub>3</sub> crystals by chemical vapor transport. AIP Advances, 2012, 2, .	1.3	10
54	Symmetry breaking via orbital-dependent reconstruction of electronic structure in detwinned NaFeAs. Physical Review B, 2012, 85, .	3.2	134

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55	<p>Electronic structure of <math>KxFe_2As_2</math> revealed by angle-resolved photoemission spectroscopy. <i>Nature Materials</i>, 2011, 10, 273-277.</p> <p>Orbital characters of bands in the iron-based superconductor <math>BaFe_2As_2</math> revealed by angle-resolved photoemission spectroscopy. <i>Physical Review Letters</i>, 2010, 105, 117003.</p>	3.2	72
56	Nodal superconducting-gap structure in ferropnictide superconductor $BaFe_2(As_{0.7}P_{0.3})_2$ . <i>Nature Physics</i> , 2012, 8, 371-375.	16.7	160
57	Electronic Identification of the Parental Phases and Mesoscopic Phase Separation of $KxFe_2As_2$ . <i>Physical Review X</i> , 2011, 1, .	8.9	128
58	Nodeless superconducting gap in $AxFe_2Se_2$ (A=K,Cs) revealed by angle-resolved photoemission spectroscopy. <i>Nature Materials</i> , 2011, 10, 273-277.	27.5	407
59	Orbital characters of bands in the iron-based superconductor $BaFe_2As_2$ . <i>Physical Review Letters</i> , 2010, 105, 117003.	3.2	31
60	Orbital characters of bands in the iron-based superconductor $BaFe_2As_2$ . <i>Physical Review Letters</i> , 2010, 105, 117003.	3.2	86
61	Orbital characters of bands in the iron-based superconductor $BaFe_2As_2$ . <i>Physical Review Letters</i> , 2010, 105, 117003.	7.8	77
62	Inelastic x-ray scattering study of the state-resolved differential cross section of Compton excitations in helium atoms. <i>Physical Review A</i> , 2010, 82, .	2.5	69
63	Electronic structure of $KxFe_2As_2$ . <i>Physical Review B</i> , 2010, 81, .	3.2	104
64	High-resolution angle-resolved photoemission spectroscopy study of the electronic structure of $EuFe_2As_2$ . <i>Physical Review B</i> , 2010, 81, .	3.2	30
65	Surface and bulk electronic structures of $LaFeAsO$ studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2010, 82, .	3.2	48
66	Strong correlations and spin-density-wave phase induced by a massive spectral weight redistribution in $\pm 1-Fe_{1.06}Te$ . <i>Physical Review B</i> , 2010, 82, .	3.2	50
67	Doping and temperature dependence of Raman scattering from $NdFeAsO$ .		

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73	Spatially modulated 'Mottness' in $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$ . <i>Nature Physics</i> , 2005, 1, 155-158.	16.7	352
74	Superconducting order parameter in heavily overdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ : A global quantitative analysis. <i>Physical Review B</i> , 2004, 69, .	3.2	12
75	Fully gapped single-particle excitations in lightly doped cuprates. <i>Physical Review B</i> , 2004, 69, .	3.2	45
76	Angle-resolved photoemission spectral function analysis of the electron-doped cuprate $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ . <i>Physical Review B</i> , 2003, 68, .	3.2	56
77	Universality of the electronic structure from a half-filled $\text{CuO}_2$ plane. <i>Physical Review B</i> , 2003, 67, .	3.2	25
78	Evolution of a metal to insulator transition in $\text{Ca}_{2-x}\text{Na}_x\text{CuO}_2\text{Cl}_2$ as seen by angle-resolved photoemission. <i>Physical Review B</i> , 2003, 67, .	3.2	83
79	X-ray diffraction measurements of the c-axis Debye-Waller factors of $\text{YBa}_2\text{Cu}_3\text{O}_7$ and $\text{HgBa}_2\text{CaCu}_2\text{O}_6$ . <i>Physical Review B</i> , 2003, 67, .	3.2	5
80	Electronic excitations near the Brillouin zone boundary of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ . <i>Physical Review B</i> , 2002, 65, .	3.2	37
81	Anomalous temperature dependence in the photoemission spectral function of cuprates. <i>Physical Review B</i> , 2002, 65, .	3.2	33
82	PHOTOEMISSION STUDY OF THE INTRA-UNIT-CELL COUPLING IN A TRILAYER CUPRATE. <i>International Journal of Modern Physics B</i> , 2002, 16, 1691-1696.	2.0	5
83	Electronic Structure of the Trilayer Cuprate Superconductor $\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+\delta}$ . <i>Physical Review Letters</i> , 2002, 88, 107001.	7.8	95
84	Doping Dependence of $d_{xy}$ -Type Cuprate Superconductor Investigated by Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2002, 88, 257001.	7.8	379
85	Bilayer Splitting in the Electronic Structure of Heavily Overdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ . <i>Physical Review Letters</i> , 2001, 86, 5550-5553.	7.8	227
86	Anomalous Electronic Structure and Pseudogap Effects in $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ . <i>Physical Review Letters</i> , 2001, 87, 147003.	7.8	175
87	Evidence for ubiquitous strong electron-phonon coupling in high-temperature superconductors. <i>Nature</i> , 2001, 412, 510-514.	27.8	1,246
88	Superconducting Gap and Strong In-Plane Anisotropy in Untwinned $\text{YBa}_2\text{Cu}_3\text{O}_7$ . <i>Physical Review Letters</i> , 2001, 86, 4370-4373.	7.8	150
89	Surface electronic structure of $\text{Sr}_2\text{RuO}_4$ . <i>Physical Review B</i> , 2001, 64, .	3.2	53
90	Photoemission study of Pb doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ : A Fermi surface picture. <i>Physical Review B</i> , 2001, 64, .	3.2	71

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91	Superconducting Gap Anisotropy in $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ : Results from Photoemission. <i>Physical Review Letters</i> , 2001, 86, 1126-1129.	7.8	161
92	Fermi Surface, Surface States, and Surface Reconstruction in $\text{Sr}_2\text{RuO}_4$ . <i>Physical Review Letters</i> , 2000, 85, 5194-5197.	7.8	235
93	Signature of Superfluid Density in the Single-Particle Excitation Spectrum of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ . <i>Science</i> , 2000, 289, 277-281.	12.6	240
94	Photoemission Evidence for a Remnant Fermi Surface and a d-Wave-Like Dispersion in Insulating $\text{Ca}_2\text{CuO}_2\text{Cl}_2$ . , 1998, 282, 2067-2072.		246