# D L Feng

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 94 papers | 9,115 citations | 53794 45 h-index | 43889 91 g-index |
| 94 all docs | 94 docs citations | 94 times ranked | 6493 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Evidence for ubiquitous strong electronâ€“phonon coupling in high-temperature superconductors. Nature, 2001, 412, 510-514. | 27.8 | 1,246 |
| 2 | A stable three-dimensional topological Dirac semimetal Cd3As2. Nature Materials, 2014, 13, 677-681. | 27.5 | 1,242 |
| 3 | Nodeless superconducting gap in AxFe2Se2 (A=K,Cs) revealed by angle-resolved photoemission spectroscopy. Nature Materials, 2011, 10, 273-277. | 27.5 | 407 |
| 4 | Doping Dependence of ann-Type Cuprate Superconductor Investigated by Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2002, 88, 257001. | 7.8 | 379 |
| 5 | Spatially modulated 'Mottness' in La2-xBaxCuO4. Nature Physics, 2005, 1, 155-158. | 16.7 | 352 |
| 6 | Photoemission Evidence for a Remnant Fermi Surface and a d-Wave-Like Dispersion in Insulating Ca2CuO2Cl2. , 1998, 282, 2067-2072. | | 246 |
| 7 | Observation of possible topological in-gap surface states in the Kondo insulator SmB6 by photoemission. Nature Communications, 2013, 4, 3010. | 12.8 | 244 |
| 8 | Signature of Superfluid Density in the Single-Particle Excitation Spectrum of Bi2Sr2CaCu2O8+delta. Science, 2000, 289, 277-281. | 12.6 | 240 |
| 9 | Fermi Surface, Surface States, and Surface Reconstruction inSr2RuO4. Physical Review Letters, 2000, 85, 5194-5197. | 7.8 | 235 |
| 10 | Bilayer Splitting in the Electronic Structure of Heavily OverdopedBi2Sr2CaCu2O8+Î´. Physical Review Letters, 2001, 86, 5550-5553. | 7.8 | 227 |
| 11 | Signature of Strong Spin-Orbital Coupling in the Large Nonsaturating Magnetoresistance Material<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2015, 115, 166601. | 7.8 | 204 |
| 12 | Tuning the band structure and superconductivity in single-layer FeSe by interface engineering. Nature Communications, 2014, 5, 5044. | 12.8 | 202 |
| 13 | Anomalous Electronic Structure and Pseudogap Effects inNd1.85Ce0.15CuO4. Physical Review Letters, 2001, 87, 147003. | 7.8 | 175 |
| 14 | Superconducting Gap Anisotropy inNd1.85Ce0.15CuO4: Results from Photoemission. Physical Review Letters, 2001, 86, 1126-1129. | 7.8 | 161 |
| 15 | Nodal superconducting-gap structure in ferropnictide superconductor BaFe2(As0.7P0.3)2. Nature Physics, 2012, 8, 371-375. | 16.7 | 160 |
| 16 | Superconducting Gap and Strong In-Plane Anisotropy in UntwinnedYBa2Cu3O7â^'Î´. Physical Review Letters, 2001, 86, 4370-4373. | 7.8 | 150 |
| 17 | Plain s-wave superconductivity in single-layer FeSe on SrTiO3 probed by scanning tunnellingÂmicroscopy. Nature Physics, 2015, 11, 946-952. | 16.7 | 148 |
| 18 | Anomalous correlation effects and unique phase diagram of electron-doped FeSe revealed by photoemission spectroscopy. Nature Communications, 2016, 7, 10840. | 12.8 | 144 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Symmetry breaking via orbital-dependent reconstruction of electronic structure in detwinned NaFeAs. Physical Review B, 2012, 85, . | 3.2 | 134 |
| 20 | Electronic Identification of the Parental Phases and Mesoscopic Phase Separation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>2</m Physical Review X, 2011, 1, . | 8.9 | 128 |
| 21 | Measurement of an Enhanced Superconducting Phase and a Pronounced Anisotropy of the Energy Gap of a Strained FeSe Single Layer in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>FeSe</mml:mi><mml:mo>/</mml:mo><mml:mi>Nb</mml:mi><mml:mo>:</mml:mo><mml:m Physical Review Letters, 2014, 112, 107001. | 7.8 | 117 |
| 22 | Surface electronic structure and isotropic superconducting gap in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi>A</mml:mi><mml:mrow><mml:mn> Physical Review B, 2015, 92, . | 3.2 | 109 |
| 23 | Electronic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn> Physical Review B, 2010, 81, . | 3.2 | 104 |
| 24 | High-Energy Scale Revival and Giant Kink in the Dispersion of a Cuprate Superconductor. Physical Review Letters, 2007, 98, 147001. | 7.8 | 96 |
| 25 | Electronic Structure of the Trilayer Cuprate SuperconductorBi2Sr2Ca2Cu3O10+Î´. Physical Review Letters, 2002, 88, 107001. | 7.8 | 95 |
| 26 | Direct observation of how the heavy-fermion state develops in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CeCoIn</mml:mi><mml:mn>5</mml:mn></mml:msub></ Physical Review B, 2017, 96, . | 3.2 | 94 |
| 27 | Physical Review B, 2017, 96, . | 3.2 | 86 |
| 28 | Evidence of cooperative effect on the enhanced superconducting transition temperature at the FeSe/SrTiO3 interface. Nature Communications, 2019, 10, 758. | 12.8 | 86 |
| 29 | Evolution of a metal to insulator transition inCa2âˆ’xNaxCuO2Cl2as seen by angle-resolved photoemission. Physical Review B, 2003, 67, . | 3.2 | 83 |
| 30 | Presence of exotic electronic surface states in LaBi and LaSb. Physical Review B, 2016, 94, . | 3.2 | 79 |
| 31 | Out-of-Plane Momentum and Symmetry-Dependent Energy Gap of the Pnictide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ba</mml:mi><mml:mn>0.6</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">K</mml:mi><mml:mn>0.4</mml:mn></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn> | 7.8 | 77 |
| 32 | Evidence for an<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi></mml:math>-wave superconducting gap in K<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â€“</mml:mo><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:math>Se<mml: | 3.2 | 72 |
| 33 | Photoemission study of Pb dopedBi2Sr2CaCu2O8:A Fermi surface picture. Physical Review B, 2001, 64, . | 3.2 | 71 |
| 34 | Inelastic x-ray scattering study of the state-resolved differential cross section of Compton excitations in helium atoms. Physical Review A, 2010, 82, . | 2.5 | 69 |
| 35 | Highly Anisotropic and Twofold Symmetric Superconducting Gap in Nematically Ordered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>FeSe</mml:mi></mml:mrow><mml:mrow><mml:mn>0.93</mml:mn> | 7.8 | 68 |
| 36 | Electronic structure of single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">NdO</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">BiS</mml:mi><mml:mn>2</mml:mn></mml:math>studied by angle-resolved photoemission spectroscopy. Physical Review B, 2014, 90, . | 3.2 | 62 |

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|---|---|---|---|
| 37 | Angle-resolved photoemission spectral function analysis of the electron-doped cuprateNd1.85Ce0.15CuO4. Physical Review B, 2003, 68, . | 3.2 | 56 |
| 38 | Effects of Surface Electron Doping and Substrate on the Superconductivity of Epitaxial FeSe Films. Nano Letters, 2016, 16, 1969-1973. | 9.1 | 54 |
| 39 | Surface electronic structure ofSr2RuO4. Physical Review B, 2001, 64, . | 3.2 | 53 |
| 40 | Interfacial effects on the spin density wave in FeSe/SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>thin films. Physical Review B, 2014, 89, . | 3.2 | 52 |
| 41 | xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math>-wave superconductivity in<mml:math | | |

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|---|---|---|---|
| 55 | Electronic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">BaNi</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2011, 83, . | 3.2 | 31 |
| 56 | High-resolution angle-resolved photoemission spectroscopy study of the electronic structure ofEuFe2As2. Physical Review B, 2010, 81, . | 3.2 | 30 |
| 57 | Tracing crystal-field splittings in the rare-earth-based intermetallic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CeIrIn</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:msub><mml:mi>Physical Review B, 2018, 97, . | 3.2 | 29 |
| 58 | 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 |
| 59 | Universality of the electronic structure from a half-filledCuO2plane. Physical Review B, 2003, 67, . | 3.2 | 25 |
| 60 | Scanning tunneling microscopy study of superconductivity, magnetic vortices, and possible charge-density wave in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ta</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Physical Review B, 2015, 91, . | 3.2 | 25 |
| 61 | A unifying phase diagram with correlation-driven superconductor-to-insulator transition for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mn>122</mml:mn><mml:mo>â˜†</mml:mo></mml:msup></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Physical Review B, 2016, 93, . | 3.2 | 24 |
| 62 | Charge Transfer Effects in Naturally Occurring van der Waals Heterostructures <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>PbSe</mml:mi><mml:msub><mml:mrow><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Anomalous resonant inelastic x-ray scattering dispersions ofSr2CuO3measured at theCu1sâ†'3dedge. Physical Review B, 2006, 73, . | 3.2 | 13 |
| 74 | Superconducting order parameter in heavily overdopedBi2Sr2CaCu2O8+Î´: A global quantitative analysis. Physical Review B, 2004, 69, . | 3.2 | 12 |
| 75 | Optical observation of spin-density-wave fluctuations in Ba122 iron-based superconductors. Physical Review B, 2016, 94, . | 3.2 | 12 |
| 76 | Tunable Fe-vacancy disorder-order transition in FeSe thin films. Physical Review B, 2016, 93, . | 3.2 | 12 |
| 77 | Photoemission study of the electronic structure and charge density waves of Na2Ti2Sb2O. Scientific Reports, 2015, 5, 9515. | 3.3 | 11 |
| 78 | Growth and characterization of Bi2Se3 crystals by chemical vapor transport. AIP Advances, 2012, 2, . | 1.3 | 10 |
| 79 | Observation of gapped phases in potassium-doped single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -terphenyl on Au (111). Physical Review B, 2019, 99, . | 3.2 | 7 |
| 80 | Weak electronic correlations and absence of heavy-fermion state in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">KNi</mml:mi><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">Se</mml:mi><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2015, 91, . | 3.2 | 6 |
| 81 | PHOTOEMISSION STUDY OF THE INTRA-UNIT-CELL COUPLING IN A TRILAYER CUPRATE. International Journal of Modern Physics B, 2002, 16, 1691-1696. | 2.0 | 5 |
| 82 | X-ray diffraction measurements of thec-axis Debye-Waller factors ofYBa2Cu3O7andHgBa2CaCu2O6. Physical Review B, 2003, 67, . | 3.2 | 5 |
| 83 | Wei, Zhang, and Feng Reply:. Physical Review Letters, 2009, 103, . | 7.8 | 5 |
| 84 | Electronic structure reconstruction ofCa1â^'xPrxFe2As2in the collapsed tetragonal phase. Physical Review B, 2014, 90, . | 3.2 | 5 |
| 85 | Suppression of hybridization by Cd doping in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>CeCoIn</mml:mi><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review B, 2019, 100, . | 3.2 | 5 |
| 86 | Superconducting gap in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mm temperature-dependent transient optical reflectivity. Physical Review B, 2015, 92, . | 3.2 | 4 |
| 87 | Lattice distortion and charge density wave in Na<sub>2</sub>Ti<sub>2</sub>Sb<sub>2</sub>O revealed by scanning tunnelling microscopy. Philosophical Magazine, 2017, 97, 527-534. | 1.6 | 4 |
| 88 | Angle-resolved photoemission study of the electronic structure of the quantum spin liquidEtMe3Sb[Pd(dmit)2]2. Physical Review B, 2014, 89, . | 3.2 | 3 |
| 89 | Photoemission insight into the heavy-fermion behavior in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ce</mml:mi><mml:mrow> Physical Review B, 2020, 101, . | 3.2 | 3 |
| 90 | Anomalous helimagnetic domain shrinkage due to the weakening of the Dzyaloshinskii-Moriya interaction in CrAs. Physical Review B, 2020, 102, . | 3.2 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Electronic structure of Eu(Fe<sub>0.79</sub>Ru<sub>0.21</sub>)<sub>2</sub>As<sub>2</sub>studied by angle-resolved photoemission spectroscopy. Journal of Physics Condensed Matter, 2014, 26, 265701. | 1.8 | 2 |
| 92 | Electronic structure and magnetic phase transition of hexagonal FeSe thin films studied by photoemission spectroscopy. Physical Review B, 2017, 96, . | 3.2 | 2 |
| 93 | Lattice distortion and electronic structure of BaAg2As2 across its nonmagnetic phase transition. Physical Review B, 2020, 101, . | 3.2 | 1 |
| 94 | Electron Spectroscopy: ARPES. Springer Series in Materials Science, 2015, , 115-149. | 0.6 | 0 |