Z-X Shen

List of Publications by Citations

452 papers	46,019 citations	105 h-index	204 g-index
466 ext. papers	50,810 ext. citations	9.3 avg, IF	7.04 L-index

#	Paper	IF	Citations
452	Angle-resolved photoemission studies of the cuprate superconductors. *Reviews of Modern Physics*, **2003**, 75, 473-541	40.5	2739
451	Experimental realization of a three-dimensional topological insulator, Bi2Te3. *Science*, **2009**, 325, 178-81	33.3	2650
450	Discovery of a three-dimensional topological Dirac semimetal, Na3Bi. *Science*, **2014**, 343, 864-7	33.3	1516
449	Giant bandgap renormalization and excitonic effects in a monolayer transition metal dichalcogenide semiconductor. *Nature Materials*, **2014**, 13, 1091-5	27	1150
448	Evidence for ubiquitous strong electron-phonon coupling in high-temperature superconductors. *Nature*, **2001**, 412, 510-4	50.4	1094
447	A stable three-dimensional topological Dirac semimetal Cd3As2. *Nature Materials*, **2014**, 13, 677-81	27	1010
446	Direct observation of the transition from indirect to direct bandgap in atomically thin epitaxial MoSe2. *Nature Nanotechnology*, **2014**, 9, 111-5	28.7	943
445	Massive Dirac fermion on the surface of a magnetically doped topological insulator. *Science*, **2010**, 329, 659-62	33.3	913
444	Excitation Gap in the Normal State of Underdoped Bi2Sr2CaCu2O8+delta. *Science*, **1996**, 273, 325-9	33.3	811
443	Anomalously large gap anisotropy in the a-b plane of Bi2Sr2CaCu2O8+ delta. *Physical Review Letters*, **1993**, 70, 1553-1556	7.4	781
442	Aharonov-Bohm interference in topological insulator nanoribbons. *Nature Materials*, **2010**, 9, 225-9	27	660
441	Unconventional electronic structure evolution with hole doping in Bi2Sr2CaCu2O8+ delta : Angle-resolved photoemission results. *Physical Review Letters*, **1996**, 76, 4841-4844	7.4	555
440	Electronic structure and photoemission studies of late transition-metal oxides Mott insulators and high-temperature superconductors. *Physics Reports*, **1995**, 253, 1-162	27.7	531
439	Key features in the measured band structure of Bi2Sr2CaCu2O8+ delta : Flat bands at EF and Fermi surface nesting. *Physical Review Letters*, **1993**, 71, 2781-2784	7.4	474
438	Interfacial mode coupling as the origin of the enhancement of T(c) in FeSe films on SrTiO3. *Nature*, **2014**, 515, 245-8	50.4	453
437	STM imaging of electronic waves on the surface of Bi2Te3: topologically protected surface states and hexagonal warping effects. *Physical Review Letters*, **2010**, 104, 016401	7.4	412
436	Symmetry-breaking orbital anisotropy observed for detwinned Ba(Fe1-xCox)2As2 above the spin density wave transition. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 6878-6883	11.5	409

435	Creation and control of a two-dimensional electron liquid at the bare SrTiO3 surface. *Nature Materials*, **2011**, 10, 114-8	27	401
434	Quantum spin Hall state in monolayer 1T′-WTe2. *Nature Physics*, **2017**, 13, 683-687	16.2	399
433	Bulk Fermi surface coexistence with Dirac surface state in Bi2Se3: A comparison of photoemission and Shubnikov□de Haas measurements. *Physical Review B*, **2010**, 81,	3.3	390
432	Anderson Hamiltonian description of the experimental electronic structure and magnetic interactions of copper oxide superconductors. *Physical Review B*, **1987**, 36, 8414-8428	3.3	383
431	Characterization of collective ground states in single-layer NbSe2. *Nature Physics*, **2016**, 12, 92-97	16.2	376
430	Quantum Hall effect from the topological surface states of strained bulk HgTe. *Physical Review Letters*, **2011**, 106, 126803	7.4	376
429	Effect of chemical inhomogeneity in bismuth-based copper oxide superconductors. *Physical Review B*, **2004**, 69,	3.3	375
428	Transient electronic structure and melting of a charge density wave in TbTe3. *Science*, **2008**, 321, 1649-52	33.3	358
427	Photon-enhanced thermionic emission for solar concentrator systems. *Nature Materials*, **2010**, 9, 762-7	27	350
426	Doping dependence of an n-type cuprate superconductor investigated by angle-resolved photoemission spectroscopy. *Physical Review Letters*, **2002**, 88, 257001	7.4	350
425	Abrupt onset of a second energy gap at the superconducting transition of underdoped Bi2212. *Nature*, **2007**, 450, 81-4	50.4	325
424	Distinct Fermi-momentum-dependent energy gaps in deeply underdoped Bi2212. *Science*, **2006**, 314, 1910-3	33.3	321
423	Observation of Spin-Charge Separation in One-Dimensional SrCuO2. *Physical Review Letters*, **1996**, 77, 4054-4057	7.4	317
422	Ambipolar field effect in the ternary topological insulator (Bi(x)Sb(1-x))2Te3 by composition tuning. *Nature Nanotechnology*, **2011**, 6, 705-9	28.7	311
421	Nodal quasiparticles and antinodal charge ordering in Ca2-xNaxCuO2Cl2. *Science*, **2005**, 307, 901-4	33.3	294
420	Rapid surface oxidation as a source of surface degradation factor for Bi□Se□*ACS Nano*, **2011**, 5, 4698-703	16.7	279
419	Topological insulator nanostructures for near-infrared transparent flexible electrodes. *Nature Chemistry*, **2012**, 4, 281-6	17.6	270
418	Doping-dependent evolution of the electronic structure of La2□SrxCuO4 in the superconducting and metallic phases. *Physical Review B*, **2002**, 65,	3.3	270

417	Topological insulator nanowires and nanoribbons. *Nano Letters*, **2010**, 10, 329-33	11.5	263
416	High-temperature superconductors: Universal nodal Fermi velocity. *Nature*, **2003**, 423, 398	50.4	263
415	Evidence for an energy scale for quasiparticle dispersion in Bi2Sr2CaCu2O8. *Physical Review Letters*, **2000**, 85, 2581-4	7.4	259
414	Electronic structure of the iron-based superconductor LaOFeP. *Nature*, **2008**, 455, 81-4	50.4	258
413	Ultrafast optical excitation of a persistent surface-state population in the topological insulator Bi2Se3. *Physical Review Letters*, **2012**, 108, 117403	7.4	256
412	From a single-band metal to a high-temperature superconductor via two thermal phase transitions. *Science*, **2011**, 331, 1579-83	33.3	256
411	Momentum, Temperature, and Doping Dependence of Photoemission Lineshape and Implications for the Nature of the Pairing Potential in High- Tc Superconducting Materials. *Physical Review Letters*, **1997**, 78, 1771-1774	7.4	239
410	Photoemission evidence for a remnant fermi surface and a d-wave-like dispersion in insulating Ca2CuO2Cl2. *Science*, **1998**, 282, 2067-72	33.3	233
409	Anomalous spectral weight transfer at the superconducting transition of Bi2Sr2CaCu2O8+ delta. *Physical Review Letters*, **1991**, 66, 2160-2163	7.4	227
408	Photoemission studies of high-tc superconductors: the superconducting gap. *Science*, **1995**, 267, 343-50	33.3	226
407	Signature of superfluid density in the single-particle excitation spectrum of Bi(2)Sr(2)CaCu(2)O(8+delta). *Science*, **2000**, 289, 277-81	33.3	224
406	Missing quasiparticles and the chemical potential puzzle in the doping evolution of the cuprate superconductors. *Physical Review Letters*, **2004**, 93, 267002	7.4	220
405	Systematics of the Photoemission Spectral Function of Cuprates: Insulators and Hole- and Electron-Doped Superconductors. *Physical Review Letters*, **1998**, 80, 4245-4248	7.4	218
404	Three-dimensional charge density wave order in YBa2Cu3O6.67 at high magnetic fields. *Science*, **2015**, 350, 949-52	33.3	213
403	Monochromatic electron photoemission from diamondoid monolayers. *Science*, **2007**, 316, 1460-2	33.3	211
402	Bilayer splitting in the electronic structure of heavily overdoped Bi(2)Sr(2)CaCu(2)O(8+delta). *Physical Review Letters*, **2001**, 86, 5550-3	7.4	207
401	Nodal quasiparticle in pseudogapped colossal magnetoresistive manganites. *Nature*, **2005**, 438, 474-8	50.4	203
400	Fermi surface, surface states, and surface reconstruction in Sr2RuO4. *Physical Review Letters*, **2000**, 85, 5194-7	7.4	201

399	One-Dimensional Electronic Structure and Suppression of d-Wave Node State in (La(1.28)Nd(0.6)Sr(0.12))CuO(4). *Science*, **1999**, 286, 268-272	33.3	196
398	Energy gaps in high-transition-temperature cuprate superconductors. *Nature Physics*, **2014**, 10, 483-495	16.2	195
397	Coupling of the B1g phonon to the antinodal electronic states of Bi2Sr2Ca0.92Y0.08Cu2O8+delta. *Physical Review Letters*, **2004**, 93, 117003	7.4	195
396	Phase competition in trisected superconducting dome. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18332-7	11.5	194
395	In-plane electronic anisotropy of underdoped □122□Fe-arsenide superconductors revealed by measurements of detwinned single crystals. *Reports on Progress in Physics*, **2011**, 74, 124506	14.4	193
394	Anisotropic electron-phonon interaction in the cuprates. *Physical Review Letters*, **2004**, 93, 117004	7.4	193
393	Electronic structure of mott insulators studied by inelastic X-ray scattering. *Science*, **2000**, 288, 1811-4	33.3	185
392	k-Dependent Electronic Structure, a Large □ghost□Fermi Surface, and a Pseudogap in a Layered Magnetoresistive Oxide. *Physical Review Letters*, **1998**, 81, 192-195	7.4	183
391	Fermi surface and electronic structure of Nd2-xCexCuO4- delta. *Physical Review Letters*, **1993**, 70, 3159-3162	7.4	183
390	Systematic doping evolution of the underlying Fermi surface of La2□SrxCuO4. *Physical Review B*, **2006**, 74,	3.3	180
389	Spin-dependent electron attenuation by transmission through thin ferromagnetic films. *Physical Review Letters*, **1991**, 66, 504-507	7.4	175
388	Photoemission study of CoO. *Physical Review B*, **1990**, 42, 1817-1828	3.3	170
387	Mesoscopic percolating resistance network in a strained manganite thin film. *Science*, **2010**, 329, 190-3	33.3	167
386	Single Dirac cone topological surface state and unusual thermoelectric property of compounds from a new topological insulator family. *Physical Review Letters*, **2010**, 105, 266401	7.4	167
385	Anomalous electronic structure and pseudogap effects in Nd1.85Ce0.15CuO4. *Physical Review Letters*, **2001**, 87, 147003	7.4	163
384	Evidence for weak electronic correlations in iron pnictides. *Physical Review B*, **2009**, 80,	3.3	162
383	Observation of temperature-induced crossover to an orbital-selective Mott phase in A(x)Fe(2-y)Se2 (A=K, Rb) superconductors. *Physical Review Letters*, **2013**, 110, 067003	7.4	158
382	Electronic structure of La2□SrxCuO4 in the vicinity of the superconductor-insulator transition. *Physical Review B*, **2000**, 62, 4137-4141	3.3	157

381	Charge density wave order in 1D mirror twin boundaries of single-layer MoSe2. *Nature Physics*, **2016**, 12, 751-756	16.2	156
380	High Reversibility of Lattice Oxygen Redox Quantified by Direct Bulk Probes of Both Anionic and Cationic Redox Reactions. *Joule*, **2019**, 3, 518-541	27.8	156
379	Particle□ole symmetry breaking in the pseudogap state of Bi2201. *Nature Physics*, **2010**, 6, 414-418	16.2	154
378	Distinct spinon and holon dispersions in photoemission spectral functions from one-dimensional SrCuO2. *Nature Physics*, **2006**, 2, 397-401	16.2	153
377	Electronic structure of NiO: Correlation and band effects. *Physical Review B*, **1991**, 44, 3604-3626	3.3	153
376	Superconducting gap anisotropy in Nd1.85Ce0.15CuO4: results from photoemission. *Physical Review Letters*, **2001**, 86, 1126-9	7.4	149
375	Ultrathin topological insulator Bi2Se3 nanoribbons exfoliated by atomic force microscopy. *Nano Letters*, **2010**, 10, 3118-22	11.5	148
374	Multiple bosonic mode coupling in the electron self-energy of (La2-xSrx)CuO4. *Physical Review Letters*, **2005**, 95, 117001	7.4	147
373	Subband structure of a two-dimensional electron gas formed at the polar surface of the strong spin-orbit perovskite KTaO3. *Physical Review Letters*, **2012**, 108, 117602	7.4	139
372	Superconducting gap and strong in-plane anisotropy in untwinned YBa2Cu3O(7-delta). *Physical Review Letters*, **2001**, 86, 4370-3	7.4	139
371	Mobile metallic domain walls in an all-in-all-out magnetic insulator. *Science*, **2015**, 350, 538-41	33.3	132
370	HfSe and ZrSe: Two-dimensional semiconductors with native high-□oxides. *Science Advances*, **2017**, 3, e1700481	14.3	131
369	Angle-resolved-photoemission study of Bi2Sr2CaCu2O8+ delta : Metallicity of the Bi-O plane. *Physical Review Letters*, **1990**, 65, 3056-3059	7.4	131
368	Angle-resolved photoemission study of the evolution of band structure and charge density wave properties in RTe3 (R=Y, La, Ce, Sm, Gd, Tb, and Dy). *Physical Review B*, **2008**, 77,	3.3	125
367	Unconventional electronic reconstruction in undoped (Ba,Sr)Fe2As2 across the spin density wave transition. *Physical Review B*, **2009**, 80,	3.3	124
366	Fast vacancy-mediated oxygen ion incorporation across the ceria-gas electrochemical interface. *Nature Communications*, **2014**, 5, 4374	17.4	122
365	Angle-resolved photoemission on untwinned YBa2Cu3O6.95. I. Electronic structure and dispersion relations of surface and bulk bands. *Physical Review B*, **1998**, 57, 6090-6106	3.3	121
364	Direct optical coupling to an unoccupied dirac surface state in the topological insulator Bi2Se3. *Physical Review Letters*, **2013**, 111, 136802	7.4	120

363	Low-energy electronic structure of the high-Tccuprates La2−SrxCuO4studied by angle-resolved photoemission spectroscopy. *Journal of Physics Condensed Matter*, **2007**, 19, 125209	1.8	120
362	A review of electron−phonon coupling seen in the high-Tc superconductors by angle-resolved photoemission studies (ARPES). *Physica Status Solidi (B): Basic Research*, **2005**, 242, 11-29	1.3	119
361	Anomalous Hall effect in ZrTe5. *Nature Physics*, **2018**, 14, 451-455	16.2	116
360	An Ultrastrong Double-Layer Nanodiamond Interface for Stable Lithium Metal Anodes. *Joule*, **2018**, 2, 1595-1609	27.8	116
359	Hierarchy of multiple many-body interaction scales in high-temperature superconductors. *Physical Review B*, **2007**, 75,	3.3	116
358	Dichotomy between nodal and antinodal quasiparticles in underdoped (La2-xSrx)CuO4 superconductors. *Physical Review Letters*, **2004**, 92, 187001	7.4	114
357	Fermi surface reconstruction in the CDW state of CeTe3 observed by photoemission. *Physical Review Letters*, **2004**, 93, 126405	7.4	112
356	Electronic Structure, Surface Doping, and Optical Response in Epitaxial WSe2 Thin Films. *Nano Letters*, **2016**, 16, 2485-91	11.5	111
355	Probing the role of interlayer coupling and coulomb interactions on electronic structure in few-layer MoSe−nanostructures. *Nano Letters*, **2015**, 15, 2594-9	11.5	110
354	Observation of universal strong orbital-dependent correlation effects in iron chalcogenides. *Nature Communications*, **2015**, 6, 7777	17.4	110
353	Electronic structure of the BaFe2As2 family of iron-pnictide superconductors. *Physical Review B*, **2009**, 80,	3.3	110
352	Electronic structure of MgB2 from angle-resolved photoemission spectroscopy. *Physical Review Letters*, **2002**, 88, 157002	7.4	109
351	Photoemission studies of high-temperature superconductors. *Surface Science Reports*, **1990**, 11, 1-137	12.9	109
350	Femtosecond electron-phonon lock-in by photoemission and x-ray free-electron laser. *Science*, **2017**, 357, 71-75	33.3	107
349	Fermi Surface and Band Dispersion in La2-xSrxCuO4. *Journal of the Physical Society of Japan*, **1999**, 68, 1496-1499	1.5	107
348	Electronic structure of the quenched superconductivity materials Y1−PrxBa2Cu3O7−*Journal of the Less Common Metals*, **1989**, 148, 121-132		106
347	Electronic structure of the parent compound of superconducting infinite-layer nickelates. *Nature Materials*, **2020**, 19, 381-385	27	105
346	Modeling and characterization of a cantilever-based near-field scanning microwave impedance microscope. *Review of Scientific Instruments*, **2008**, 79, 063703	1.7	101

345	Space charge effect and mirror charge effect in photoemission spectroscopy. *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 142, 27-38	1.7	99
344	Systematic study of electron-phonon coupling to oxygen modes across the cuprates. *Physical Review B*, **2010**, 82,	3.3	98
343	Widespread spin polarization effects in photoemission from topological insulators. *Physical Review B*, **2011**, 84,	3.3	97
342	Anomalous high-energy dispersion in angle-resolved photoemission spectra from the insulating cuprate Ca2CuO2Cl2. *Physical Review B*, **2005**, 71,	3.3	96
341	Polaronic behavior of undoped high-T(c) cuprate superconductors from angle-resolved photoemission spectra. *Physical Review Letters*, **2005**, 95, 227002	7.4	95
340	Band structure and Fermi surface of electron-doped C60 monolayers. *Science*, **2003**, 300, 303-7	33.3	95
339	Electronic structure of the trilayer cuprate superconductor Bi(2)Sr(2)Ca(2)Cu(3)O(10+delta). *Physical Review Letters*, **2002**, 88, 107001	7.4	92
338	Synergistic enhancement of electrocatalytic CO reduction to C oxygenates at nitrogen-doped nanodiamonds/Cu interface. *Nature Nanotechnology*, **2020**, 15, 131-137	28.7	92
337	ARPES studies of cuprate Fermiology: superconductivity, pseudogap and quasiparticle dynamics. *New Journal of Physics*, **2010**, 12, 105008	2.9	91
336	Doping dependence of the coupling of electrons to bosonic modes in the single-layer high-temperature Bi2Sr2CuO6 superconductor. *Physical Review Letters*, **2006**, 96, 157003	7.4	91
335	Energy gaps in the failed high-Tc superconductor La1.875Ba0.125CuO4. *Nature Physics*, **2009**, 5, 119-123	16.2	90
334	Measurement of an Anisotropic Energy Gap in Single Plane Bi2Sr2−LaxCuO6+δ. *Physical Review Letters*, **1997**, 79, 143-146	7.4	90
333	Pseudogap, Superconducting Gap, and Fermi Arc in High-TcCuprates Revealed by Angle-Resolved Photoemission Spectroscopy. *Journal of the Physical Society of Japan*, **2012**, 81, 011006	1.5	89
332	Separation of spin and charge excitations in one-dimensional SrCuO2. *Physical Review B*, **1997**, 56, 15589-15595	3.3	89
331	Raman scattering investigations of the antiferroelectric–ferroelectric phase transition of NaNbO3. *Journal of Raman Spectroscopy*, **1998**, 29, 379-384	2.3	89
330	Asymmetry of collective excitations in electron- and hole-doped cuprate superconductors. *Nature Physics*, **2014**, 10, 883-889	16.2	88
329	Layered Ruthenium Oxides: From Band Metal to Mott Insulator. *Physical Review Letters*, **1998**, 81, 2747-2750	7.4	88
328	Raman characterization of germanium nanocrystals in amorphous silicon oxide films synthesized by rapid thermal annealing. *Journal of Applied Physics*, **1999**, 86, 1398-1403	2.5	88

327	Dual nature of the electronic structure of (La(2--x--y)Nd(y)Sr(x))CuO(4) and La(1.85)Sr(0.15)CuO(4). *Physical Review Letters*, **2001**, 86, 5578-81	7.4	87
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325	Nanoscale Electronic Inhomogeneity in In2Se3 Nanoribbons Revealed by Microwave Impedance Microscopy. *Nano Letters*, **2009**, 9, 1265-9	11.5	82
324	Fermi surface and van Hove singularities in the itinerant Metamagnet Sr3Ru2O7. *Physical Review Letters*, **2008**, 101, 026407	7.4	82
323	Atomic-force-microscope-compatible near-field scanning microwave microscope with separated excitation and sensing probes. *Review of Scientific Instruments*, **2007**, 78, 063702	1.7	81
322	Distinguishing bulk and surface electron-phonon coupling in the topological insulator Bi(2)Se(3) using time-resolved photoemission spectroscopy. *Physical Review Letters*, **2014**, 113, 157401	7.4	80
321	Strongly Cavity-Enhanced Spontaneous Emission from Silicon-Vacancy Centers in Diamond. *Nano Letters*, **2018**, 18, 1360-1365	11.5	79
320	Evolution of a metal to insulator transition in Ca2−NaxCuO2Cl2 as seen by angle-resolved photoemission. *Physical Review B*, **2003**, 67,	3.3	79
319	Aspects of the correlation effects, antiferromagnetic order, and translational symmetry of the electronic structure of NiO and CoO. *Physical Review Letters*, **1990**, 64, 2442-2445	7.4	79
318	Momentum-resolved charge excitations in a prototype one-dimensional mott insulator. *Physical Review Letters*, **2002**, 88, 177403	7.4	77
317	Charge dynamics of doped holes in high Tc cuprate superconductors: a clue from optical conductivity. *Physical Review Letters*, **2008**, 100, 166401	7.4	76
316	Direct spectroscopic evidence for phase competition between the pseudogap and superconductivity in Bi2Sr2CaCu2O(8+δ) *Nature Materials*, **2015**, 14, 37-42	27	75
315	Phase fluctuations and the absence of topological defects in a photo-excited charge-ordered nickelate. *Nature Communications*, **2012**, 3, 838	17.4	74
314	Electronic reconstruction through the structural and magnetic transitions in detwinned NaFeAs. *New Journal of Physics*, **2012**, 14, 073019	2.9	73
313	Direct observation of the mass renormalization in SrVO3 by angle resolved photoemission spectroscopy. *Physical Review Letters*, **2005**, 95, 146404	7.4	73
312	Dispersive charge density wave excitations in Bi2Sr2CaCu2O8+δ *Nature Physics*, **2017**, 13, 952-956	16.2	72
311	Role of the orbital degree of freedom in iron-based superconductors. *Npj Quantum Materials*, **2017**, 2,	5	72
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309	Unexpected edge conduction in mercury telluride quantum wells under broken time-reversal symmetry. *Nature Communications*, **2015**, 6, 7252	17.4	72
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306	Complete band-structure determination of the quasi-two-dimensional Fermi-liquid reference compound TiTe2. *Physical Review B*, **1996**, 54, 2453-2465	3.3	71
305	Direct extraction of the Eliashberg function for electron-phonon coupling: a case study of Be(10(-)10). *Physical Review Letters*, **2004**, 92, 186401	7.4	70
304	Pressure-induced strong mode coupling and phase transitions in KNbO3. *Physical Review B*, **1995**, 52, 3976-3980	3.3	70
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302	Modular soft x-ray spectrometer for applications in energy sciences and quantum materials. *Review of Scientific Instruments*, **2017**, 88, 013110	1.7	68
301	Coexistence of Replica Bands and Superconductivity in FeSe Monolayer Films. *Physical Review Letters*, **2017**, 118, 067002	7.4	68
300	Observation of topologically protected states at crystalline phase boundaries in single-layer WSe. *Nature Communications*, **2018**, 9, 3401	17.4	68
299	Photoemission study of Pb doped Bi2Sr2CaCu2O8: A Fermi surface picture. *Physical Review B*, **2001**, 64,	3.3	68
298	Evidence for k-dependent, in-plane anisotropy of the superconducting gap in Bi2Sr2CaCu2O8+ delta. *Physical Review B*, **1992**, 46, 11830-11834	3.3	68
297	Ideal charge-density-wave order in the high-field state of superconducting YBCO. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14645-14650	11.5	67
296	Superconducting graphene sheets in CaC6 enabled by phonon-mediated interband interactions. *Nature Communications*, **2014**, 5, 3493	17.4	66
295	Superconducting Gap Anisotropy in Monolayer FeSe Thin Film. *Physical Review Letters*, **2016**, 117, 117001	7.4	66
294	Modification of Transition-Metal Redox by Interstitial Water in Hexacyanometalate Electrodes for Sodium-Ion Batteries. *Journal of the American Chemical Society*, **2017**, 139, 18358-18364	16.4	65
293	Doping evolution of the electronic structure in the single-layer cuprate Bi2Sr2□LaxCuO6+□ Comparison with other single-layer cuprates. *Physical Review B*, **2008**, 77,	3.3	65
292	Imaging quantum spin Hall edges in monolayer WTe. *Science Advances*, **2019**, 5, eaat8799	14.3	64

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290	Angle-resolved photoemission studies of lattice polaron formation in the cuprate Ca2CuO2Cl2. *Physical Review B*, **2007**, 75,	3.3	62
289	Angle-resolved photoemission on untwinned YBa2Cu3O6.95. II. Determination of Fermi surfaces. *Physical Review B*, **1998**, 57, 6107-6115	3.3	62
288	Role of the electron-phonon interaction in the strongly correlated cuprate superconductors. *The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties*, **2002**, 82, 1349-1368		61
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282	Fermi surface evolution across multiple charge density wave transitions in ErTe3. *Physical Review B*, **2010**, 81,	3.3	59
281	Polaron coherence condensation as the mechanism for colossal magnetoresistance in layered manganites. *Physical Review B*, **2007**, 76,	3.3	59
280	Distinct Electronic Structure for the Extreme Magnetoresistance in YSb. *Physical Review Letters*, **2016**, 117, 267201	7.4	58
279	Hybrid metal-organic chalcogenide nanowires with electrically conductive inorganic core through diamondoid-directed assembly. *Nature Materials*, **2017**, 16, 349-355	27	57
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277	Nanoscale microwave microscopy using shielded cantilever probes. *Applied Nanoscience (Switzerland)*, **2011**, 1, 13-18	3.3	57
276	Thermal Cure Study of a Low-k Methyl Silsesquioxane for Intermetal Dielectric Application by FT-IR Spectroscopy. *Applied Spectroscopy*, **2000**, 54, 209-213	3.1	57
275	Temperature and doping dependence of the Bi-Sr-Ca-Cu-O electronic structure and fluctuation effects. *Physical Review B*, **1997**, 56, 14185-14189	3.3	56
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