

Antonio Bianconi

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503
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L-index

#	Paper	IF	Citations
503	Determination of the local lattice distortions in the CuO ₂ plane of La _{1.85} Sr _{0.15} CuO ₄ . <i>Physical Review Letters</i> , 1996 , 76, 3412-3415	7.4	550
502	X-ray absorption near edge structures (XANES) in simple and complex Mn compounds. <i>Solid State Communications</i> , 1980 , 35, 355-361	1.6	230
501	Inhomogeneity of charge-density-wave order and quenched disorder in a high-T _c superconductor. <i>Nature</i> , 2015 , 525, 359-62	50.4	213
500	Specific intermediate-valence state of insulating 4f compounds detected by L3 x-ray absorption. <i>Physical Review B</i> , 1987 , 35, 806-812	3.3	213
499	Nanoscale phase separation in the iron chalcogenide superconductor K _{0.8} Fe _{1.6} Se ₂ as seen via scanning nanofocused x-ray diffraction. <i>Physical Review B</i> , 2011 , 84,	3.3	212
498	Scale-free structural organization of oxygen interstitials in La ₂ CuO _(4+y) . <i>Nature</i> , 2010 , 466, 841-4	50.4	203
497	L _{2,3} xanes of the high T _c superconductor YBa ₂ Cu ₃ O _{7-x} with variable oxygen content. <i>Solid State Communications</i> , 1987 , 63, 1009-1013	1.6	194
496	Crystal-structure effects in the Ce L ₃ -edge x-ray-absorption spectrum of CeO ₂ : Multiple-scattering resonances and many-body final states. <i>Physical Review B</i> , 1994 , 50, 5074-5080	3.3	185
495	Multiple-scattering regime and higher-order correlations in x-ray-absorption spectra of liquid solutions. <i>Physical Review B</i> , 1986 , 34, 5774-5781	3.3	179
494	Multiple-scattering resonances and structural effects in the x-ray-absorption near-edge spectra of Fe II and Fe III hexacyanide complexes. <i>Physical Review B</i> , 1982 , 26, 6502-6508	3.3	179
493	Crossover from Large to Small Polarons across the Metal-Insulator Transition in Manganites. <i>Physical Review Letters</i> , 1998 , 81, 878-881	7.4	174
492	Symmetry of the 3d ₉ ligand hole induced by doping in YBa ₂ Cu. <i>Physical Review B</i> , 1988 , 38, 7196-7199	3.3	174
491	Photoemission studies of graphite high-energy conduction-band and valence-band states using soft-x-ray synchrotron radiation excitation. <i>Physical Review B</i> , 1977 , 16, 5543-5548	3.3	160
490	Surface X-ray absorption spectroscopy: Surface EXAFS and surface XANES. <i>Applications of Surface Science</i> , 1980 , 6, 392-418		142
489	Topology of the Pseudogap and Shadow Bands in Bi ₂ Sr ₂ CaCu ₂ O _{8+x} at Optimum Doping. <i>Physical Review Letters</i> , 1997 , 79, 3467-3470	7.4	134
488	Evolution and control of oxygen order in a cuprate superconductor. <i>Nature Materials</i> , 2011 , 10, 733-6	27	133
487	Superconductivity of a striped phase at the atomic limit. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 296, 269-280	1.3	133

486	X-ray-absorption near-edge structure of 3d transition elements in tetrahedral coordination: The effect of bond-length variation. <i>Physical Review B</i> , 1985 , 32, 4292-4295	3.3	132
485	Intrinsic phase separation in superconducting $K0.8Fe1.6Se2$ ($T_c = 31.8$ K) single crystals. <i>Superconductor Science and Technology</i> , 2011 , 24, 082002	3.1	117
484	Resonant and crossover phenomena in a multiband superconductor: Tuning the chemical potential near a band edge. <i>Physical Review B</i> , 2010 , 82,	3.3	115
483	Local lattice instability and stripes in the CuO_2 plane of the $La_{1.85}Sr_{0.15}CuO_4$ system by polarized XANES and EXAFS. <i>Physical Review B</i> , 1997 , 55, 12759-12769	3.3	115
482	The gap amplification at a shape resonance in a superlattice of quantum stripes: A mechanism for high T_c . <i>Solid State Communications</i> , 1996 , 100, 181-186	1.6	113
481	Localization of Cu 3d levels in the high T_c superconductor $YBa_2Cu_3O_{7-x}$ by Cu 2p X-ray photoelectron spectroscopy. <i>Solid State Communications</i> , 1987 , 63, 1135-1139	1.6	112
480	Stripe structure of the CuO_2 plane in $Bi_2Sr_2CaCu_2O_{8+y}$ by anomalous x-ray diffraction. <i>Physical Review B</i> , 1996 , 54, 4310-4314	3.3	109
479	Stripe structure in the CuO_2 plane of perovskite superconductors. <i>Physical Review B</i> , 1996 , 54, 12018-12021	3.3	106
478	K-shell photoabsorption spectra of N_2 and N_2O using synchrotron radiation. <i>Physical Review A</i> , 1978 , 17, 1907-1911	2.6	106
477	Oxygen-isotope shift of the charge-stripe ordering temperature in $La_{2-x}Sr_xCuO_4$ from x-ray absorption spectroscopy. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, L541-L546	1.8	105
476	Many-body effects in praeosodymium core-level spectroscopies of PrO_2 . <i>Physical Review B</i> , 1988 , 38, 3433-3437	3.3	99
475	Optimum inhomogeneity of local lattice distortions in La_2CuO_{4+y} . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15685-90	11.5	98
474	On the possibility of new high T_c superconductors by producing metal heterostructures as in the cuprate perovskites. <i>Solid State Communications</i> , 1994 , 89, 933-936	1.6	94
473	Intrinsic luminescence excitation spectrum and extended x-ray absorption fine structure above the K edge in CaF_2 . <i>Physical Review B</i> , 1978 , 17, 2021-2024	3.3	93
472	Effect of the Al content on the optical phonon spectrum in $Mg_{1-x}Al_xB_2$. <i>Physical Review B</i> , 2001 , 65,	3.3	91
471	Electronic Structure of Aluminium Oxide as Determined by X-Ray Photoemission. <i>Physica Status Solidi (B): Basic Research</i> , 1976 , 76, 689-694	1.3	90
470	The CO bond angle of carboxymyoglobin determined by angular-resolved XANES spectroscopy. <i>Nature</i> , 1985 , 318, 685-7	50.4	88
469	Fine structure above the carbon K-edge in methane and in the fluoromethanes. <i>Chemical Physics Letters</i> , 1978 , 54, 425-429	2.5	86

468	Delocalized versus localized unoccupied 5f states and the uranium site structure in uranium oxides and glasses probed by x-ray-absorption near-edge structure. <i>Physical Review B</i> , 1986 , 34, 7350-7361	3.3	85
467	Evidence of 3d ⁹ -ligand hole states in the superconductor La _{1.85} Sr _{0.15} CuO ₄ from L ₃ X-ray absorption spectroscopy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988 , 127, 285-291	2.3	85
466	Al-Al ₂ O ₃ interface study using surface soft-x-ray absorption and photoemission spectroscopy. <i>Physical Review B</i> , 1979 , 19, 2837-2843	3.3	84
465	The quantitative Jahn-teller distortion of the Cu ²⁺ site in aqueous solution by xanes spectroscopy. <i>Chemical Physics</i> , 1989 , 132, 295-302	2.3	83
464	On the Fermi liquid coupled with a generalized wigner polaronic CDW giving high T _c superconductivity. <i>Solid State Communications</i> , 1994 , 91, 1-5	1.6	81
463	Scaling of the critical temperature with the Fermi temperature in diborides. <i>Physical Review B</i> , 2002 , 65,	3.3	80
462	Core excitons and inner well resonances in surface soft x-ray absorption (SSXA) spectra. <i>Surface Science</i> , 1979 , 89, 41-50	1.8	78
461	Model for phase separation controlled by doping and the internal chemical pressure in different cuprate superconductors. <i>Physical Review B</i> , 2008 , 78,	3.3	77
460	Al Surface Relaxation Using Surface Extended X-Ray-Absorption Fine Structure. <i>Physical Review Letters</i> , 1979 , 42, 104-108	7.4	77
459	SUPERSTRIPES. <i>International Journal of Modern Physics B</i> , 2000 , 14, 3289-3297	1.1	76
458	Multielectron configurations in the x-ray-absorption near-edge structure of NiO at the oxygen K threshold. <i>Physical Review B</i> , 1986 , 33, 2979-2982	3.3	76
457	Feshbach resonance and mesoscopic phase separation near a quantum critical point in multiband FeAs-based superconductors. <i>Superconductor Science and Technology</i> , 2009 , 22, 014004	3.1	74
456	The strain of CuO ₂ lattice: the second variable for the phase diagram of cuprate perovskites. <i>Journal of Physics A</i> , 2003 , 36, 9133-9142		74
455	Feshbach Shape Resonance in Multiband Superconductivity in Heterostructures. <i>Journal of Superconductivity and Novel Magnetism</i> , 2005 , 18, 625-636		72
454	Superconductivity above the lowest Earth temperature in pressurized sulfur hydride. <i>Europhysics Letters</i> , 2015 , 112, 37001	1.6	71
453	High T _c superconductivity in a superlattice of quantum stripes. <i>Solid State Communications</i> , 1997 , 102, 369-374	1.6	71
452	Substitution of Sc for Mg in MgB ₂ : Effects on transition temperature and Kohn anomaly. <i>Physical Review B</i> , 2004 , 70,	3.3	71
451	Two-band Eliashberg equations and the experimental T _c of the diboride Mg _{1-x} Al _x B ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 407, 121-127	1.3	71

450	Raising the diboride superconductor transition temperature using quantum interference effects. <i>Physical Review B</i> , 2003 , 67,	3.3	71
449	The Measurement of the Polaron Size in the Metallic Phase of Cuprate Superconductors. <i>Europhysics Letters</i> , 1995 , 31, 411-415	1.6	71
448	Multiple-scattering effects in the K-edge x-ray-absorption near-edge structure of crystalline and amorphous silicon. <i>Physical Review B</i> , 1987 , 36, 6426-6433	3.3	71
447	Multiplet splitting of final-state configurations in x-ray-absorption spectrum of metal VO ₂ : Effect of core-hole-screening, electron correlation, and metal-insulator transition. <i>Physical Review B</i> , 1982 , 26, 2741-2747	3.3	71
446	The stripe critical point for cuprates. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 10655-10666	1.8	70
445	The effect of internal pressure on the tetragonal to monoclinic structural phase transition in ReOFeAs: the case of NdOFeAs. <i>Superconductor Science and Technology</i> , 2008 , 21, 092002	3.1	69
444	The instability of a 2D electron gas near the critical density for a Wigner polaron crystal giving the quantum state of cuprate superconductors. <i>Solid State Communications</i> , 1994 , 91, 287-293	1.6	69
443	Breakdown of the Migdal approximation at Lifshitz transitions with giant zero-point motion in the H ₃ S superconductor. <i>Scientific Reports</i> , 2016 , 6, 24816	4.9	67
442	Multielectron excitations in the K-edge x-ray-absorption near-edge spectra of V, Cr, and Mn 3d0 compounds with tetrahedral coordination. <i>Physical Review B</i> , 1991 , 43, 6885-6892	3.3	65
441	Linearly polarized Cu L ₃ -edge x-ray-absorption near-edge structure of Bi ₂ CaSr ₂ Cu ₂ O ₈ . <i>Physical Review B</i> , 1991 , 44, 10126-10138	3.3	64
440	Evidence of SiO at the Si-oxide interface by surface soft X-ray absorption near edge spectroscopy. <i>Surface Science</i> , 1980 , 99, 76-86	1.8	64
439	A superconductor made by a metal heterostructure at the atomic limit tuned at the 'shape resonance': MgB ₂ *. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 7383-7390	1.8	62
438	High T _c superconductivity by quantum confinement. <i>Journal De Physique, I</i> , 1994 , 4, 361-365		60
437	Determination of the symmetry of the 3d ₉ L states by polarized CuL ₃ XAS spectra of single crystal YBa ₂ Cu ₃ O _{7-δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 1760-1761	1.3	56
436	X-ray Ca K edge of calcium adenosine triphosphate system and of simple Ca compounds. <i>Chemical Physics Letters</i> , 1978 , 59, 121-124	2.5	56
435	Thermal conductivity of superconducting MgB ₂ . <i>Journal of Physics Condensed Matter</i> , 2001 , 13, L487-L493		55
434	A quantum phase transition driven by the electron lattice interaction gives high TC superconductivity. <i>Journal of Alloys and Compounds</i> , 2001 , 317-318, 537-541	5.7	54
433	Structure of oriented V ₂ O ₅ gel studied by polarized x-ray-absorption spectroscopy at the vanadium K edge. <i>Physical Review B</i> , 1989 , 40, 12229-12236	3.3	53

432	Coexistence of stripes and superconductivity: T _c amplification in a superlattice of superconducting stripes. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1719-1722	1.3	52
431	Atomic and electronic structure probed by X-ray absorption spectroscopy: Full multiple scattering analysis with the G4XANES package. <i>Computational Materials Science</i> , 1995 , 4, 199-210	3.2	52
430	Direct observation of nanoscale interface phase in the superconducting chalcogenide KxFe2ySe2 with intrinsic phase separation. <i>Physical Review B</i> , 2015 , 91,	3.3	51
429	Relevant role of hydrogen atoms in the XANES of Pd hydride: Evidence of hydrogen induced unoccupied states. <i>Solid State Communications</i> , 1993 , 85, 863-868	1.6	51
428	Shape resonance for the anisotropic superconducting gaps near a Lifshitz transition: the effect of electron hopping between layers. <i>Superconductor Science and Technology</i> , 2011 , 24, 015012	3.1	50
427	Lack of delocalized Cup states at the Fermi level in the high-T _c superconductor YBa2Cu3O ₇ by XANES spectroscopy. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1987 , 67, 307-312		50
426	Temperature-dependent modulation amplitude of the CuO ₂ superconducting lattice in La ₂ CuO ₄ . <i>Physical Review B</i> , 1997 , 55, 9120-9124	3.3	49
425	THE STRAIN QUANTUM CRITICAL POINT FOR SUPERSTRIPES IN THE PHASE DIAGRAM OF ALL CUPRATE PEROVSKITES. <i>International Journal of Modern Physics B</i> , 2000 , 14, 3342-3355	1.1	49
424	One-electron excitations and shake up satellites in Cu K-edge X-ray absorption near edge structure (XANES) of La ₂ CuO ₄ by full multiple scattering analysis in real space. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 175, 369-380	1.3	48
423	Transformation of strings into an inhomogeneous phase of stripes and itinerant carriers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000 , 275, 118-123	2.3	47
422	The instability close to the 2D generalized wigner polaron crystal density: A possible pairing mechanism indicated by a key experiment. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 269-272	1.3	47
421	Many Body Effect in Inner Shell Photoemission and Photoabsorption Spectra of La Compounds. <i>Journal of the Physical Society of Japan</i> , 1987 , 56, 798-809	1.5	47
420	Core Transitions from the Al 2p Level in Amorphous and Crystalline Al ₂ O ₃ . <i>Physica Status Solidi (B): Basic Research</i> , 1974 , 63, 77-87	1.3	47
419	Evidence for the strain critical point in high T _c superconductors. <i>European Physical Journal B</i> , 2000 , 18, 617-624	1.2	45
418	Anomalous isotope effect near a 2.5 Lifshitz transition in a multi-band multi-condensate superconductor made of a superlattice of stripes. <i>Superconductor Science and Technology</i> , 2012 , 25, 124002	3.1	44
417	The amplification of the superconducting T _c by combined effect of tuning of the Fermi level and the tensile micro-strain in Al _{1-x} Mg _x B ₂ . <i>Europhysics Letters</i> , 2002 , 58, 278-284	1.6	43
416	Multiple-scattering analysis of K-edge x-ray-absorption near-edge spectrum of YBa ₂ Cu. <i>Physical Review B</i> , 1988 , 38, 244-251	3.3	43
415	Spatial inhomogeneity and planar symmetry breaking of the lattice incommensurate supermodulation in the high-temperature superconductor Bi ₂ Sr ₂ CaCu ₂ O _{8+y} . <i>Physical Review B</i> , 2011 , 84,	3.3	42

414	Multiscale distribution of oxygen puddles in 1/8 doped YBa ₂ Cu ₃ O _{6.67} . <i>Scientific Reports</i> , 2013 , 3, 2383	4.9	41
413	Intrinsic arrested nanoscale phase separation near a topological Lifshitz transition in strongly correlated two-band metals. <i>Superconductor Science and Technology</i> , 2015 , 28, 024005	3.1	39
412	Bond Length Determination Using XANES. <i>Springer Series in Chemical Physics</i> , 1983 , 57-61	0.3	39
411	Single-particle properties of a model for coexisting charge and spin quasicritical fluctuations coupled to electrons. <i>Physical Review B</i> , 1999 , 59, 14980-14991	3.3	38
410	Structure of densified vitreous silica: Silicon and oxygen XANES spectra and multiple scattering calculations. <i>Physics and Chemistry of Minerals</i> , 1992 , 19, 171	1.6	38
409	A two-band model for the phase separation induced by the chemical mismatch pressure in different cuprate superconductors. <i>Superconductor Science and Technology</i> , 2009 , 22, 014007	3.1	37
408	Evidence for Critical Lattice Fluctuations in the HighTcCuprates. <i>Journal of the Physical Society of Japan</i> , 2001 , 70, 2092-2097	1.5	37
407	Determination of mixing of 4f-ligand orbitals in Ce(SO ₄) ₂ by Xanes is Ce(SO ₄) ₂ a mixed valent insulating system?. <i>Journal of Magnetism and Magnetic Materials</i> , 1985 , 47-48, 209-211	2.8	37
406	Possible Fano resonance for high-Tc multi-gap superconductivity in p-Terphenyl doped by K at the Lifshitz transition. <i>Europhysics Letters</i> , 2017 , 118, 37003	1.6	36
405	HighTcsuperconductivity in a critical range of micro-strain and charge density in diborides. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 11689-11695	1.8	36
404	Three particle correlation function of metal ions in tetrahedral coordination determined by XANES. <i>Solid State Communications</i> , 1986 , 58, 595-599	1.6	36
403	Localization of screening orbitals, local-environment effects, and intermediate valence in core-level spectroscopy: Ce vs Tm. <i>Physical Review B</i> , 1982 , 25, 2477-2482	3.3	36
402	Structural phase transition and superlattice misfit strain of RFeAsO (R=La, Pr, Nd, Sm). <i>Physical Review B</i> , 2010 , 82,	3.3	35
401	Local structural features of the superconducting Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} system: A polarized Cu K-edge XAS study. <i>Physical Review B</i> , 1998 , 58, 11768-11773	3.3	35
400	Correlation between mixing of Cu d orbitals and T c determined by polarized Cu L 3 XAS: Experimental evidence for pairing mediated by d-d excitations. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 209-210	1.3	35
399	Electronic and superconducting properties of a superlattice of quantum stripes at the atomic limit. <i>Zeitschrift Für Physik B-Condensed Matter</i> , 1997 , 104, 707-713		34
398	EXPERIMENTAL EVIDENCE OF ITINERANT Cu 3d ₉ - OXYGEN HOLE MANY BODY CONFIGURATION IN THE HIGH-TC SUPERCONDUCTOR YBa ₂ Cu ₃ O _{7-δ} . <i>International Journal of Modern Physics B</i> , 1987 , 01, 853-862	1.1	34
397	Spectromicroscopy of electronic phase separation in KxFe ₂ -ySe ₂ superconductor. <i>Scientific Reports</i> , 2014 , 4, 5592	4.9	33

396	Scanning micro-x-ray diffraction unveils the distribution of oxygen chain nanoscale puddles in YBa ₂ Cu ₃ O _{6.33} . <i>Physical Review B</i> , 2013 , 87,	3-3	33
395	Misfit Strain in Superlattices Controlling the Electron-Lattice Interaction via Microstrain in Active Layers. <i>Advances in Condensed Matter Physics</i> , 2010 , 2010, 1-7	1	33
394	Evidence of hydrogen-induced levels in Pd from X-ray photoemission. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1975 , 55, 309-310	2-3	33
393	Oxygen chemisorption on Al: Unoccupied extrinsic surface resonances and site-structure determination by surface soft-x-ray absorption. <i>Physical Review B</i> , 1979 , 19, 3879-3888	3-3	33
392	A Model for Liquid-Striped Liquid Phase Separation in Liquids of Anisotropic Polarons. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 529-533	1-5	32
391	The Feshbach resonance and nanoscale phase separation in a polaron liquid near the quantum critical point for a polaron Wigner crystal. <i>Journal of Physics: Conference Series</i> , 2008 , 108, 012036	0-3	32
390	The dinuclear copper site structure of Agaricus bisporus tyrosinase in solution probed by X-ray absorption spectroscopy. <i>Journal of Biological Chemistry</i> , 1996 , 271, 21025-30	5-4	32
389	COORDINATION GEOMETRY OF TRANSITION METAL IONS IN DILUTE SOLUTIONS BY XANES. <i>Journal De Physique Colloque</i> , 1986 , 47, C8-49-C8-54		32
388	Percolative superconductivity in La ₂ CuO _{4.06} by lattice granularity patterns with scanning micro x-ray absorption near edge structure. <i>Applied Physics Letters</i> , 2014 , 104, 221903	3-4	31
387	Study of temperature dependent atomic correlations in MgB ₂ . <i>European Physical Journal B</i> , 2006 , 52, 15-21	1-2	31
386	Experimental evidence for the shake-down peak in LIII (and LII)-xanes of light rare earth intermetallics. <i>Solid State Communications</i> , 1984 , 49, 409-415	1-6	31
385	X-ray absorption near edge structures of intermediate valence TmSe single crystals. <i>Journal of Physics C: Solid State Physics</i> , 1981 , 14, 4737-4743		31
384	Critical behavior of the plasmon resonance at the metal-insulator transition in VO ₂ . <i>Physical Review B</i> , 1981 , 24, 4406-4411	3-3	31
383	High-Temperature Superconductivity in a Hyperbolic Geometry of Complex Matter from Nanoscale to Mesoscopic Scale. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 627-631	1-5	30
382	Transient state kinetic investigation of ferritin iron release. <i>Applied Physics Letters</i> , 2012 , 100, 073703	3-4	30
381	Continuous thermal collapse of the intrinsically disordered protein tau is driven by its entropic flexible domain. <i>Langmuir</i> , 2012 , 28, 13405-10	4	29
380	From Majorana Theory of Atomic Autoionization to Feshbach Resonances in High Temperature Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 215-221	1-5	29
379	Cu K-edge polarized x-ray-absorption near-edge structure of Bi ₂ CaSr ₂ Cu ₂ O ₈ . <i>Physical Review B</i> , 1991 , 44, 4560-4569	3-3	29

378	X-ray absorption near edge structure (XANES) for CO, CN and deoxyhaemoglobin: geometrical information.. <i>EMBO Journal</i> , 1983 , 2, 1441-1443	13	29
377	Lifshitz transitions and zero point lattice fluctuations in sulfur hydride showing near room temperature superconductivity. <i>Novel Superconducting Materials</i> , 2015 , 1,		28
376	Sc doping of MgB ₂ : the structural and electronic properties of Mg _{1-x} Sc _x B ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 1479-1484	3.9	28
375	An x-ray absorption near edge structure spectroscopy study of metal coordination in Co(II)-substituted Carcinus maenas hemocyanin. <i>Biophysical Journal</i> , 1993 , 65, 2680-91	2.9	28
374	Effect of Rhombic Distortion on the Polarized X-Ray Absorption Spectra in HighT _c Superconductors. <i>Journal of the Physical Society of Japan</i> , 1990 , 59, 815-818	1.5	28
373	On the possibility of a new multiband heterostructure at the atomic limit made of alternate CuO ₂ and FeAs superconducting layers. <i>Superconductor Science and Technology</i> , 2010 , 23, 052003	3.1	27
372	Temperature dependent local Cu-O displacements from underdoped to overdoped La-Sr-Cu-O superconductor. <i>European Physical Journal B</i> , 2003 , 36, 75-80	1.2	26
371	Networks of superconducting nano-puddles in 1/8 doped YBa ₂ Cu ₃ O _{6.5} +ycontrolled by thermal manipulation. <i>New Journal of Physics</i> , 2014 , 16, 053030	2.9	25
370	The Microstrain-Doping Phase Diagram of the Iron Pnictides: Heterostructures at Atomic Limit. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 589-593	1.5	25
369	Isotope effect on the E _{2g} phonon and mesoscopic phase separation near the electronic topological transition in Mg _{1-x} Al _x B ₂ . <i>Physical Review B</i> , 2009 , 80,	3.3	25
368	Optical conductivity of the nonsuperconducting cuprate La _{8-x} Sr _x Cu ₈ O ₂₀ . <i>Physical Review B</i> , 2002 , 65,	3.3	25
367	High critical temperature in a superlattice of quantum wires. <i>Journal of Superconductivity and Novel Magnetism</i> , 1995 , 8, 545-548		25
366	Electronic structure of Bi ₂ CaSr ₂ Cu ₂ O ₈ determined by a combined analysis of various polarized x-ray-absorption spectra. <i>Physical Review B</i> , 1992 , 45, 4989-5000	3.3	25
365	Increase of the Fe effective charge in hemoproteins during oxygenation process. <i>Biochemical and Biophysical Research Communications</i> , 1985 , 131, 98-102	3.4	25
364	Xanes (X-ray absorption near edge structure) of V in vanadium-iron phosphate glasses. <i>Solid State Communications</i> , 1982 , 42, 547-551	1.6	25
363	Fractal Structure Favoring Superconductivity at High Temperatures in a Stack of Membranes Near a Strain Quantum Critical Point. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 1195-1200	1.5	24
362	Different temperature-dependent local displacements in the underdoped and overdoped La _{2-x} Sr _x CuO ₄ system. <i>Europhysics Letters</i> , 2003 , 63, 125-131	1.6	23
361	Evidence for a second one-dimensional set of states shedding light on the normal phase of high-T _c superconductors. <i>Physical Review B</i> , 1998 , 57, R11101-R11104	3.3	23

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