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Magnetic order close to superconductivity in the iron-based layered $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$ systems

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#	Paper	IF	Citations
1682	ChemInform Abstract: Magnetic Order Close to Superconductivity in the Iron-Based Layered LaO _{1-x} F _x FeAs Systems.. 2008 , 39, no		
1681	Superconductivity and crystal structures of (Ba _{1-x} K _x)Fe ₂ As ₂ (x=0-1). 2008 , 47, 7949-52		338
1680	Developments and Perspectives of Iron-based High-Temperature Superconductors. 2008 , 20, 3764-3769		45
1679	Supraleitung und Kristallstrukturen von (Ba _{1-x} K _x)Fe ₂ As ₂ (x=0-1). 2008 , 120, 8067-8070		8
1678	Electronic and magnetic properties of new quaternary oxybismuthides LaOMBi (where M = V, Cr, Ni, Cu) from first principles. 2008 , 372, 5838-5840		10
1677	The superconductivity at 18 K in LiFeAs system. 2008 , 148, 538-540		818
1676	Doping-insensitive density-of-states suppression in polycrystalline iron-based superconductor. 2008 , 148, 504-507		17
1675	High-temperature superconductivity in iron-based layered iron compounds. 2008 , 51, 1201-1227		190
1674	Theory of neutron scattering as a probe of the superconducting gap in the iron pnictides. <i>Physical Review B</i> , 2008 , 78,	3.3	169
1673	Crystal structure of the new FeSe _{1-x} superconductor. 2008 , 5607-9		256
1672	Tellurium substitution effect on superconductivity of the β -phase iron selenide. 2008 , 84, 37002		503
1671	Density functional study of FeS, FeSe, and FeTe: Electronic structure, magnetism, phonons, and superconductivity. <i>Physical Review B</i> , 2008 , 78,	3.3	644
1670	Pseudogap value in the energy spectrum of LaOFeAs: a fixed spin moment treatment. 2008 , 107, 649-652		5
1669	Electronic structure of the iron-based superconductor LaOFeP. <i>Nature</i> , 2008 , 455, 81-4	50.4	258
1668	Unconventional superconductivity in Ba _{0.6} K _{0.4} Fe ₂ As ₂ from inelastic neutron scattering. <i>Nature</i> , 2008 , 456, 930-2	50.4	499
1667	Band structure of a new (16 K) superconductor LiFeAs compared to Li _{0.5} FeAs and LiCoAs. 2008 , 88, 329-333		7
1666	Density-functional calculation of the Coulomb repulsion and correlation strength in superconducting LaFeAsO. 2008 , 88, 729-733		27

1665	Structural and magnetic phase diagram of CeFeAsO(1-x)F(x) and its relation to high-temperature superconductivity. 2008 , 7, 953-9		657
1664	The new iron age. 2008 , 4, 898-900		21
1663	Has lightning struck twice?. 2008 , 4, 446-446		6
1662	Pairing symmetry in a two-orbital exchange coupling model of oxypnictides. <i>Physical Review Letters</i> , 2008 , 101, 206404	7.4	332
1661	Neutron-diffraction measurements of magnetic order and a structural transition in the parent BaFe2As2 compound of FeAs-based high-temperature superconductors. <i>Physical Review Letters</i> , 2008 , 101, 257003	7.4	691
1660	Commensurate Itinerant Antiferromagnetism in BaFe2As2: 75As-NMR Studies on a Self-Flux Grown Single Crystal. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 114709	1.5	202
1659	Two-band superconductor magnesium diboride. 2008 , 71, 116501		163
1658	Iron-specific phonon density of states in the superconductors LaFeAsO1-xFx and La1-xCaxFePO. <i>Physical Review B</i> , 2008 , 78,	3.3	27
1657	Coexistence of superconductivity and antiferromagnetic ordering in the layered superconductor SmFePO. <i>Physical Review B</i> , 2008 , 78,	3.3	29
1656	Proximity of antiferromagnetism and superconductivity in LaFeAsO1-xFx: Effective Hamiltonian from ab initio studies. <i>Physical Review B</i> , 2008 , 77,	3.3	233
1655	Coexistence of magnetic fluctuations and superconductivity in the pnictide high temperature superconductor SmFeAsO1-xFx measured by muon spin rotation. <i>Physical Review Letters</i> , 2008 , 101, 097010	7.4	111
1654	The optical phonon spectrum of SmFeAsO. 2008 , 84, 67013		25
1653	LiFeAs: An intrinsic FeAs-based superconductor with Tc=18 K. <i>Physical Review B</i> , 2008 , 78,	3.3	633
1652	Arsenic-bridged antiferromagnetic superexchange interactions in LaFeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	199
1651	Anomalous transport properties and phase diagram of the FeAs-based SmFeAsO1-xFx superconductors. <i>Physical Review Letters</i> , 2008 , 101, 087001	7.4	251
1650	Problems with reconciling density functional theory calculations with experiment in ferropnictides. <i>Physical Review B</i> , 2008 , 78,	3.3	332
1649	Superconductivity at 38 K in the iron arsenide (Ba1-xKx)Fe2As2. <i>Physical Review Letters</i> , 2008 , 101, 107004		2515
1648	Bandwidth and Fermi surface of iron oxypnictides: Covalency and sensitivity to structural changes. <i>Physical Review B</i> , 2008 , 78,	3.3	185

1647	Momentum dependence of the superconducting gap in NdFeAsO _{0.9} F _{0.1} single crystals measured by angle resolved photoemission spectroscopy. <i>Physical Review Letters</i> , 2008 , 101, 147003	7.4	230
1646	Crystal structure and antiferromagnetic order in NdFeAsO _{1-x} F _x (x=0.0 and 0.2) superconducting compounds from neutron diffraction measurements. <i>Physical Review Letters</i> , 2008 , 101, 257002	7.4	125
1645	High-temperature superconductivity in layered iron compounds. <i>Uspekhi Fizicheskikh Nauk</i> , 2008 , 178, 1243	0.5	53
1644	Superconductivity induced by co-doping in quaternary fluoroarsenide CaFeAsF. 2008 , 130, 14428-9		181
1643	Strong correlations and magnetic frustration in the high T _c iron pnictides. <i>Physical Review Letters</i> , 2008 , 101, 076401	7.4	577
1642	Model for the magnetic order and pairing channels in Fe pnictide superconductors. <i>Physical Review Letters</i> , 2008 , 101, 237004	7.4	119
1641	Spin Ordering in LaFeAsO and Its Suppression in Superconductor LaFeAsO _{0.89} F _{0.11} Probed by Mössbauer Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 103706	1.5	97
1640	The effect of internal pressure on the tetragonal to monoclinic structural phase transition in ReOFeAs: the case of NdOFeAs. 2008 , 21, 092002		69
1639	Crystallographic phase transition and high-T _c superconductivity in LaFeAsO:F. 2008 , 21, 125028		212
1638	Magnetism, superconductivity, and pairing symmetry in iron-based superconductors. <i>Physical Review B</i> , 2008 , 78,	3.3	599
1637	Structure and superconductivity of LiFeAs. 2008 , 5918-20		256
1636	Temperature dependence and resonance effects in Raman scattering of phonons in NdFeAsO _x F _{1-x} single crystals. <i>Physical Review B</i> , 2008 , 78,	3.3	27
1635	Thorium-doping-induced superconductivity up to 56 K in Gd _{1-x} Th _x FeAsO. 2008 , 83, 67006		536
1634	Upper critical field, penetration depth, and depinning frequency of the high-temperature superconductor LaFeAsO _{0.9} F _{0.1} studied by microwave surface impedance. <i>Physical Review B</i> , 2008 , 78,	3.3	17
1633	Phonon density of states of LaFeAsO(1-x)F _x . <i>Physical Review Letters</i> , 2008 , 101, 157004	7.4	63
1632	Commensurate spin density wave in LaFeAsO: a local probe study. <i>Physical Review Letters</i> , 2008 , 101, 077005	7.4	258
1631	K-doping dependence of the Fermi surface of the iron-arsenic Ba _{1-x} K _x Fe ₂ As ₂ superconductor using angle-resolved photoemission spectroscopy. <i>Physical Review Letters</i> , 2008 , 101, 177005	7.4	203
1630	Spin-density-wave anomaly at 140 K in the ternary iron arsenide BaFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	939

1629	Electron-hole symmetry and magnetic coupling in antiferromagnetic LaFeAsO. <i>Physical Review Letters</i> , 2008 , 101, 047001	7.4	265
1628	Spin and lattice structures of single-crystalline SrFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	178
1627	Magnetic order of the iron spins in NdFeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	119
1626	Thermodynamic properties of Ba _{1-x} K _x Fe ₂ As ₂ and Ca _{1-x} N _x Fe ₂ As ₂ . 2008 , 10, 123031		36
1625	Growth and characterization of A _{1-x} K _x Fe ₂ As ₂ (A = Ba, Sr) single crystals with x = 0-0.4. 2008 , 21, 125014		95
1624	Normal-state correlated electronic structure of iron pnictides from first principles. <i>Physical Review B</i> , 2008 , 78,	3.3	71
1623	Phase transitions in LaFeAsO: Structural, magnetic, elastic, and transport properties, heat capacity and Mössbauer spectra. <i>Physical Review B</i> , 2008 , 78,	3.3	270
1622	Neutron-scattering study of the oxypnictide superconductor LaFeAsO _{0.87} F _{0.13} . <i>Physical Review B</i> , 2008 , 78,	3.3	47
1621	Fermi surface of superconducting LaFePO determined from quantum oscillations. <i>Physical Review Letters</i> , 2008 , 101, 216402	7.4	174
1620	Lattice and magnetic structures of PrFeAsO, PrFeAsO _{0.85} F _{0.15} , and PrFeAsO _{0.85} . <i>Physical Review B</i> , 2008 , 78,	3.3	125
1619	Anisotropic three-dimensional magnetism in CaFe ₂ As ₂ . <i>Physical Review Letters</i> , 2008 , 101, 227205	7.4	86
1618	Intrinsic properties of stoichiometric LaFePO. <i>Physical Review B</i> , 2008 , 78,	3.3	98
1617	Superconductivity close to magnetic instability in Fe(Se _{1-x} Tex) _{0.82} . <i>Physical Review B</i> , 2008 , 78,	3.3	529
1616	Spin-triplet p-wave pairing in a three-orbital model for iron pnictide superconductors. <i>Physical Review B</i> , 2008 , 78,	3.3	167
1615	Evidence for Unconventional Superconductivity in Arsenic-Free Iron-Based Superconductor FeSe: A ⁷⁷ Se-NMR Study. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 113703	1.5	82
1614	Superconductivity above 50 K in Tb _{1-x} Th _x FeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	61
1613	Local moment vs . Kondo behavior of the 4f-electrons in rare-earth iron oxypnictides. 2008 , 84, 37006		51
1612	Origin of the 150-K anomaly in LaFeAsO: competing antiferromagnetic interactions, frustration, and a structural phase transition. <i>Physical Review Letters</i> , 2008 , 101, 057010	7.4	470

1611	Structures, physical properties, and chemistry of layered oxychalcogenides and oxypnictides. 2008 , 47, 8473-86		149
1610	Antiferromagnetic transition in EuFe ₂ As ₂ : A possible parent compound for superconductors. <i>Physical Review B</i> , 2008 , 78,	3.3	166
1609	Magnetic and structural transitions in layered iron arsenide systems: AFe ₂ As ₂ versus RFeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	190
1608	Coexistence of Superconductivity and Magnetism in LaFeAs(O _{0.94} F _{0.06}) Probed by Muon Spin Relaxation. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 103703	1.5	29
1607	Low energy spin waves and magnetic interactions in SrFe ₂ As ₂ . <i>Physical Review Letters</i> , 2008 , 101, 167203.	3.4	152
1606	High-energy spin excitations in BaFe ₂ As ₂ observed by inelastic neutron scattering. <i>Physical Review B</i> , 2008 , 78,	3.3	113
1605	Ising and spin orders in the iron-based superconductors. <i>Physical Review B</i> , 2008 , 78,	3.3	406
1604	Comparative high-field magnetotransport of the oxypnictide superconductors RFeAsO _{1-x} F _x (R=La, Nd) and SmFeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	109
1603	d- and f-Orbital Correlations in the RFeAsO Compounds. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 99-102	1.5	51
1602	Structural and magnetic phase transitions in the ternary iron arsenides SrFe ₂ As ₂ and EuFe ₂ As ₂ . <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 452201	1.8	175
1601	Transport properties and superconductivity in Ba _{1-x} M _x Fe ₂ As ₂ (M=La and K) with double FeAs layers. 2008 , 84, 27010		73
1600	Superconductivity in the mixed rare earth iron oxyarsenide La _{1-x} Sm _x FeAsO _{0.85} . 2008 , 21, 125022		5
1599	Pressure-induced volume-collapsed tetragonal phase of CaFe ₂ As ₂ as seen via neutron scattering. <i>Physical Review B</i> , 2008 , 78,	3.3	301
1598	Superconductivity in Hole-Doped (Sr _{1-x} K _x)Fe ₂ As ₂ . 2008 , 25, 3403-3405		232
1597	Electronic structure and doping in BaFe ₂ As ₂ and LiFeAs: Density functional calculations. <i>Physical Review B</i> , 2008 , 78,	3.3	384
1596	First-order structural phase transition in CaFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	260
1595	Trapped Phonons Improve Photon Detection. 2008 , 1,		151
1594	Confined growth of superconducting F-doped SmFeAsO nanocables using ZnO nanotubes. 2008 , 21, 125007		6

1593	FeAs systems: a new class of high-temperature superconductors. 2008 , 51, 1261-1286		60
1592	A Mössbauer study of the superconducting NdFeAsO _{0.82} F _{0.18} oxypnictide compound. 2008 , 21, 115015		10
1591	Synthesis, crystal structure, microstructure, transport and magnetic properties of SmFeAsO and SmFeAs(O _{0.93} F _{0.07}). 2008 , 21, 095017		58
1590	Common Features in Electronic Structure of the Oxy pnictide Superconductors from Photoemission Spectroscopy. 2008 , 25, 3765-3768		13
1589	Neutron Studies of the Iron-based Family of High T _c Magnetic Superconductors. 2008 , 1148, 1		
1588	High-Pressure Studies on Superconducting Iron-Based LaFeAsO _{1-x} F _x , LaFePO and SrFe ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 78-83	1.5	38
1587	⁵⁹ Co and ⁷⁵ As NMR Investigation of Electron-Doped High T _c Superconductor BaFe _{1.8} Co _{0.2} As ₂ (T _c = 22 K). <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 103705	1.5	96
1586	⁷⁵ As NMR Study of the Ternary Iron Arsenide BaFe ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 093706	1.5	23
1585	Electron-hole asymmetry and quantum critical point in hole-doped BaFe ₂ As ₂ . 2008 , 84, 67015		52
1584	Ab initio Derivation of Low-Energy Model for Iron-Based Superconductors LaFeAsO and LaFePO. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 093711	1.5	123
1583	New high-temperature superconductors based on rare-earth and transition metal oxyarsenides and related phases: synthesis, properties and simulations. 2008 , 51, 1229-1260		122
1582	Electronic Structure, Magnetism and Spin-Fluctuations in Fe-As Based Superconductors. 2008 , 1148, 1		
1581	Synthesis, crystal structure and spin-density-wave anomaly of the iron arsenide-fluoride SrFeAsF. 2008 , 84, 67007		83
1580	Lattice Dynamics of LaFeAsO _{1-x} F _x and PrFeAsO _{1-y} via Inelastic X-Ray Scattering and First-Principles Calculation. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 103715	1.5	49
1579	Structural properties and phase transition of RFeMO (R=La, Nd; M=As, P) materials. 2008 , 84, 47002		4
1578	Superconductivity of LaFe _{1-y} Co _y AsO _{1-x} F _x . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 103704	1.5	83
1577	Magnetism and Superconductivity in the Two-Dimensional 16-Band d _{xy} Model for Iron-Based Superconductors. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 123701	1.5	53
1576	Pseudogap and Superconductivity in Iron-Based Layered Superconductor Studied by Fluctuation-Exchange Approximation. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 123707	1.5	118

1575	First-Principle Electronic Structure Calculations For Iron-Based Superconductors: An LSDA+U Study. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 153-154	1.5	7
1574	Pseudogap and Superconducting Gap in SmFeAs(O _{1-x} F _x) Superconductor from Photoemission Spectroscopy. 2008 , 25, 3761-3764		41
1573	Quantum oscillations in the parent magnetic phase of an iron arsenide high temperature superconductor. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 422203	1.8	129
1572	Orbital degeneracy and the microscopic model of the FeAs plane in the iron-based superconductors. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 425203	1.8	19
1571	Layered Iron Pnictide Superconductors: Discovery and Current Status. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 1-8	1.5	43
1570	A New Road to Higher Temperature Superconductivity. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 9-14	1.5	9
1569	Anisotropic superconducting properties of the aligned Sm _{0.95} La _{0.05} FeAsO _{0.85} F _{0.15} microcrystalline powder. 2008 , 84, 67014		9
1568	Doping evolution of itinerant magnetic fluctuations in Fe-based pnictides. 2008 , 83, 67003		24
1567	X-ray spectra and electronic structures of the iron arsenide superconductors RFeAsO _{1-x} F _x (R=La,Sm). <i>Physical Review B</i> , 2008 , 78,	3.3	40
1566	Granularity and vortex dynamics in LaFeAsO _{0.92} F _{0.08} probed by harmonics of the ac magnetic susceptibility. <i>Physical Review B</i> , 2008 , 78,	3.3	25
1565	SrFeAsF as a parent compound for iron pnictide superconductors. <i>Physical Review B</i> , 2008 , 78,	3.3	79
1564	Effect of pressure on the magnetostructural transition in SrFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	49
1563	Magnetic ordering and negative thermal expansion in PrFeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	87
1562	Magnetic excitations in the high-T _c iron pnictides. <i>Physical Review B</i> , 2008 , 78,	3.3	57
1561	Doping evolution of antiferromagnetic order and structural distortion in LaFeAsO _{1-x} F _x . <i>Physical Review B</i> , 2008 , 78,	3.3	96
1560	Fermi surface and band renormalization of Sr _{1-x} K _x Fe ₂ As ₂ from angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2008 , 78,	3.3	46
1559	Superconducting state in SrFe _{2-x} CoxAs ₂ by internal doping of the iron arsenide layers. <i>Physical Review Letters</i> , 2008 , 101, 207004	7.4	215
1558	Structural transition and anisotropic properties of single-crystalline SrFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	158

1557	Columnar magnetic structure coupled with orthorhombic distortion in the antiferromagnetic iron arsenide SrFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3-3	57
1556	Thermal properties of SmFeAsO _{1-x} F _x as a probe of the interplay between electrons and phonons. <i>Physical Review B</i> , 2008 , 78,	3-3	44
1555	Superconductivity in LaFe _{1-x} Co _x AsO. <i>Physical Review B</i> , 2008 , 78,	3-3	289
1554	Symmetry of superconducting states with two orbitals on a tetragonal lattice: Application to LaFeAsO _{1-x} F _x . <i>Physical Review B</i> , 2008 , 78,	3-3	26
1553	Lattice and electronic anomalies of CaFe ₂ As ₂ studied by Raman spectroscopy. <i>Physical Review B</i> , 2008 , 78,	3-3	50
1552	Transport and anisotropy in single-crystalline SrFe ₂ As ₂ and A _{0.6} K _{0.4} Fe ₂ As ₂ (A=Sr, Ba) superconductors. <i>Physical Review B</i> , 2008 , 78,	3-3	143
1551	Itinerant ferromagnetism in the layered crystals LaCoOX(X=P,As). <i>Physical Review B</i> , 2008 , 77,	3-3	129
1550	Heteroepitaxial growth and optoelectronic properties of layered iron oxyarsenide, LaFeAsO. 2008 , 93, 162504		88
1549	Possible pairing states of the Fe-based superconductors. <i>Physical Review B</i> , 2008 , 78,	3-3	86
1548	Hall effect and magnetoresistance in single crystals of NdFeAsO _{1-x} F _x (x=0 and 0.18). <i>Physical Review B</i> , 2008 , 78,	3-3	68
1547	Experimental observables near a nematic quantum critical point in the pnictide and cuprate superconductors. <i>Physical Review B</i> , 2008 , 78,	3-3	36
1546	k-dependent SU(4) model of high-temperature superconductivity and its coherent-state solutions. <i>Physical Review B</i> , 2008 , 78,	3-3	6
1545	Enhanced spin-density wave in LaFeSbO from first principles. <i>Physical Review B</i> , 2008 , 78,	3-3	10
1544	Orbital fluctuation mechanism for superconductivity in iron-based compounds. <i>Physical Review B</i> , 2008 , 78,	3-3	30
1543	Origin of the spin density wave instability in AFe ₂ As ₂ (A=Ba,Sr) as revealed by optical spectroscopy. <i>Physical Review Letters</i> , 2008 , 101, 257005	7-4	238
1542	Core-level and valence-band study using angle-integrated photoemission on LaFeAsO _{0.9} F _{0.1} . <i>Physical Review B</i> , 2008 , 78,	3-3	14
1541	Superconductivity and antiferromagnetic ordering in the high-field paramagnetic oxypnictide NdFeAsO _{0.94} F _{0.06} . <i>Physical Review B</i> , 2008 , 78,	3-3	17
1540	Possible superconductivity in Fe-Sb based materials: Density functional study of LiFeSb. <i>Physical Review B</i> , 2008 , 78,	3-3	17

1539	Crystalline electric field as a probe for long-range antiferromagnetic order and superconducting state of CeFeAsO(1-x)F(x). <i>Physical Review Letters</i> , 2008 , 101, 217002	7.4	54
1538	F19 NMR investigation of the iron pnictide superconductor LaFeAsO _{0.89} F _{0.11} . <i>Physical Review B</i> , 2008 , 78,	3.3	119
1537	Strong coupling between magnetic and structural order parameters in SrFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	119
1536	Experimental consequences of the s-wave cos(k _x)cos(k _y) superconductivity in the iron pnictides. <i>Physical Review B</i> , 2008 , 78,	3.3	94
1535	Effective Hamiltonian for FeAs-based superconductors. <i>Physical Review B</i> , 2008 , 78,	3.3	25
1534	Low-temperature lattice structure anomaly in the LaFeAsO _{0.93} F _{0.07} superconductor by x-ray absorption spectroscopy: Evidence for a strong electron-phonon interaction. <i>Physical Review B</i> , 2008 , 78,	3.3	39
1533	Mechanism of phase transitions and electronic density of states in LaFeAsO _{1-x} F _x and SmFeAsO _{1-x} F _x from ab initio density functional calculations. <i>Physical Review B</i> , 2008 , 78,	3.3	10
1532	Theory of the magnetic moment in iron pnictides. <i>Physical Review Letters</i> , 2008 , 101, 126401	7.4	108
1531	Superconducting energy gap and c-axis plasma frequency of (Nd,Sm)FeAsO _{0.82} F _{0.18} superconductors from infrared ellipsometry. <i>Physical Review Letters</i> , 2008 , 101, 097011	7.4	50
1530	Muon-spin-relaxation studies of magnetic order and superfluid density in antiferromagnetic NdFeAsO, BaFe ₂ As ₂ , and superconducting Ba _{1-x} K _x Fe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	84
1529	Field and temperature dependence of the superfluid density in LaFeAsO _{1-x} F _x superconductors: a muon spin relaxation study. <i>Physical Review Letters</i> , 2008 , 101, 097009	7.4	160
1528	Positron potential and wave function in LaFeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	10
1527	Spin dynamics in iron-based layered superconductor (La _{0.87} Ca _{0.13})FePO revealed by ³¹ P and ¹³⁹ La NMR studies. <i>Physical Review Letters</i> , 2008 , 101, 077006	7.4	46
1526	Evidence for strong itinerant spin fluctuations in the normal state of CeFeAsO _{0.89} F _{0.11} iron-oxypnictide superconductors. <i>Physical Review Letters</i> , 2008 , 101, 267001	7.4	95
1525	Inelastic neutron scattering and lattice-dynamical calculations of BaFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	54
1524	Competing orders in FeAs layers. <i>Physical Review Letters</i> , 2008 , 101, 186402	7.4	76
1523	Spin fluctuation dynamics and multiband superconductivity in iron pnictides. <i>Physical Review B</i> , 2008 , 78,	3.3	69
1522	Lattice and magnetic instabilities in CaFe ₂ As ₂ : A single-crystal neutron diffraction study. <i>Physical Review B</i> , 2008 , 78,	3.3	283

1521	Superconductivity induced by oxygen deficiency in La _{0.85} Sr _{0.15} FeAsO _{1-x} <i>Physical Review B</i> , 2008 , 78,	3-3	24
1520	Density functional study of BaNi ₂ As ₂ : Electronic structure, phonons, and electron-phonon superconductivity. <i>Physical Review B</i> , 2008 , 78,	3-3	67
1519	Kramers degeneracy in a magnetic field and Zeeman spin-orbit coupling in antiferromagnetic conductors. <i>Physical Review Letters</i> , 2008 , 101, 137202	7-4	17
1518	Calorimetric determination of the upper critical fields and anisotropy of NdFeAsO _{1-x} F _x single crystals. <i>Physical Review B</i> , 2008 , 78,	3-3	53
1517	Momentum dependence of superconducting gap, strong-coupling dispersion kink, and tightly bound Cooper pairs in the high-T _c (Sr,Ba) _{1-x} (K,Na) _x Fe ₂ As ₂ superconductors. <i>Physical Review B</i> , 2008 , 78,	3-3	122
1516	Cobalt-Substitution-Induced Superconductivity in a New Compound with ZrCuSiAs-Type Structure, SrFeAsF. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 113709	1.5	63
1515	Superconductivity under High Pressure in LaFeAsO. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 113712	1.5	154
1514	Tetragonal to Orthorhombic Phase Transition and F-Doping Effects on the Crystal Structure in the Iron-Based High-T _c Superconductor LaFeAsO. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 32-35	1.5	7
1513	Spin Ordering in LaFeAsO and Its Suppression in F-Doped Superconductors LaFeAsO _{1-x} F _x Probed by Mössbauer Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 121-122	1.5	5
1512	Unconventional Superconductivity Originating from Disconnected Fermi Surfaces in the Iron-Based Oxypnictide. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 96-98	1.5	2
1511	Crystallographic Structure of Fluorine-Free Oxypnictide NdFeAsO _{1-y} by Electron Microscopy. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 129-130	1.5	
1510	A Possible Ground State and Its Electronic Structure of LaFeAsO. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 91-95	1.5	9
1509	Electronic Structure of LaFeAsO:yz/zx Orbital Degeneracy and Excitonic Instability. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 158-159	1.5	13
1508	Superconducting Gap and Pseudogap Structure in LaFeAsO _{1-x} F _x Probed by STM/STS. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 151-152	1.5	4
1507	NMR Measurements of Intrinsic Spin Susceptibility in LaFeAsO _{0.9} F _{0.1} . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 47-53	1.5	16
1506	A Microscopic Model of the FeAs Plane in the Iron-Based Superconductors: Orbital Degeneracy, Geometric Frustration and Structural Transition. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 103-108	1.5	8
1505	Unusual Pseudogap Features Observed in Iron Oxypnictide Superconductors. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 61-64	1.5	13
1504	Paramagnetic Properties of NdFeAsO _{0.94} F _{0.06} Polycrystals. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 84-86	1.5	2

1503	57Fe Mössbauer spectroscopy and magnetic measurement studies of oxygen deficient LaFeAsO. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 292201	1.8	34
1502	Different resistivity response to spin-density wave and superconductivity at 20 K in Ca _{1-x} NaxFe ₂ As ₂ . <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 422201	1.8	163
1501	Properties of LaFeAsO/MgO(001) Interfaces from ab initio Calculations. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 113-116	1.5	
1500	Doping Dependence of Pseudogap in LaFeAsO _{1-x} F _x . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 65-68	1.5	10
1499	Mössbauer Spectroscopy of La _{0.87} Ca _{0.13} FePO and LaFeAsO _{0.93} F _{0.07} under External Magnetic Field and Nuclear Resonant Inelastic Scattering of La _{0.87} Ca _{0.13} FePO. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 024704	1.5	4
1498	Doping Dependence of Normal-State Properties in Iron-Based Oxypnictide Superconductor LaFeAsO _{1-y} Probed by 57Fe-NMR and 75As-NMR/NQR. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 084717	1.5	34
1497	Distinct Transport Behaviors of LaFe _{1-y} Co _y AsO _{1-x} F _x (x=0.11) between the Superconducting and Nonsuperconducting Metallic y Regions Divided by y ~0.05. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 043703	1.5	38
1496	Band structure and Fermi surface of (Sr ₂ VO ₃) ₂ Fe ₂ As ₂ and (Sr ₂ ScO ₃) ₂ Fe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 80,	3.3	21
1495	f-spin physics of rare-earth iron pnictides: Influence of d-electron antiferromagnetic order on the heavy-fermion phase diagram. <i>Physical Review B</i> , 2009 , 80,	3.3	16
1494	Antiferromagnetic ordering and structural phase transition in Ba ₂ Fe ₂ As ₂ with Sn incorporated from the growth flux. <i>Physical Review B</i> , 2009 , 79,	3.3	98
1493	Spin gap and magnetic resonance in superconducting BaFe _{1.9} Ni _{0.1} As ₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	59
1492	Phonons in doped and undoped BaFe ₂ As ₂ investigated by inelastic x-ray scattering. <i>Physical Review B</i> , 2009 , 80,	3.3	54
1491	Magnetic order in the CaFe _{1-x} Co _x AsF (x=0.00,0.06,0.12) superconducting compounds. <i>Physical Review B</i> , 2009 , 79,	3.3	55
1490	Valley density-wave and multiband superconductivity in iron-based pnictide superconductors. <i>Physical Review B</i> , 2009 , 80,	3.3	102
1489	Role of striction at magnetic and structural transitions in iron pnictides. <i>Physical Review B</i> , 2009 , 79,	3.3	44
1488	Evidence of spin-density-wave order in RFeAsO _{1-x} F _x from measurements of thermoelectric power. <i>Physical Review B</i> , 2009 , 79,	3.3	21
1487	Doping and temperature dependence of Raman scattering from NdFeAsO _{1-x} F _x (x=0-0.2) superconductor. <i>Physical Review B</i> , 2009 , 79,	3.3	18
1486	Density functional study of the overdoped iron chalcogenide TlFe ₂ Se ₂ with ThCr ₂ Si ₂ structure. <i>Physical Review B</i> , 2009 , 79,	3.3	35

1485	Pnictides as frustrated quantum antiferromagnets close to a quantum phase transition. <i>Physical Review B</i> , 2009 , 79,	3-3	61
1484	Anisotropic itinerant magnetism and spin fluctuations in BaFe ₂ As ₂ : A neutron scattering study. <i>Physical Review B</i> , 2009 , 79,	3-3	142
1483	Antiferromagnetically driven electronic correlations in iron pnictides and cuprates. <i>Physical Review B</i> , 2009 , 80,	3-3	109
1482	Anisotropy of the pairing gap of FeAs-based superconductors induced by spin fluctuations. <i>Physical Review B</i> , 2009 , 79,	3-3	41
1481	Fermi surface dichotomy in systems with fluctuating order. <i>Physical Review B</i> , 2009 , 79,	3-3	18
1480	Anomalous electron-phonon interaction in doped LaFeAsO: First-principles calculations. <i>Physical Review B</i> , 2009 , 79,	3-3	29
1479	Symplectic N and time reversal in frustrated magnetism. <i>Physical Review B</i> , 2009 , 79,	3-3	45
1478	Dominant role of local-moment interactions in the magnetic ordering of iron pnictide superconductors: A comparative study of arsenides and antimonides from first principles. <i>Physical Review B</i> , 2009 , 80,	3-3	11
1477	Band renormalization and Fermi surface reconstruction in iron-based superconductors. <i>Physical Review B</i> , 2009 , 79,	3-3	42
1476	Properties of KCo ₂ As ₂ and alloys with Fe and Ru: Density functional calculations. <i>Physical Review B</i> , 2009 , 79,	3-3	17
1475	Two-dimensional magnetism in the pnictide superconductor parent material SrFeAsF probed by muon-spin relaxation. <i>Physical Review B</i> , 2009 , 79,	3-3	17
1474	Water-induced superconductivity in SrFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 80,	3-3	64
1473	Electronic structure of Ba(Fe,Ru) ₂ As ₂ and Sr(Fe,Ir) ₂ As ₂ alloys. <i>Physical Review B</i> , 2009 , 79,	3-3	41
1472	Spin excitations in BaFe _{1.84} Co _{0.16} As ₂ superconductor observed by inelastic neutron scattering. <i>Physical Review B</i> , 2009 , 80,	3-3	12
1471	Short-range incommensurate magnetic order near the superconducting phase boundary in Fe _{1+x} Te _{1-x} Sex. <i>Physical Review B</i> , 2009 , 80,	3-3	60
1470	Tight-binding models for the iron-based superconductors. <i>Physical Review B</i> , 2009 , 80,	3-3	140
1469	Finite-temperature spin dynamics and phase transitions in spin-orbital models. <i>Physical Review B</i> , 2009 , 80,	3-3	51
1468	Influence of the Nd 4f states on the magnetic behavior and the electric field gradient of the oxypnictides superconductors NdFeAsO _{1-x} Fx. <i>Physical Review B</i> , 2009 , 79,	3-3	31

1467	Spin-wave velocities, density of magnetic excitations, and NMR relaxation in iron pnictides. <i>Physical Review B</i> , 2009 , 80,	3-3	16
1466	Spin excitations in the excitonic spin-density-wave state of the iron pnictides. <i>Physical Review B</i> , 2009 , 80,	3-3	57
1465	Narrow superconducting window in LaFe _{1-x} Ni _x AsO. <i>Physical Review B</i> , 2009 , 79,	3-3	78
1464	Low-temperature thermal conductivity of BaFe ₂ As ₂ : A parent compound of iron arsenide superconductors. <i>Physical Review B</i> , 2009 , 79,	3-3	9
1463	Unconventional electronic reconstruction in undoped (Ba,Sr)Fe ₂ As ₂ across the spin density wave transition. <i>Physical Review B</i> , 2009 , 80,	3-3	124
1462	Effects of cobalt doping and phase diagrams of LFe _{1-x} CoxAsO (L=La and Sm). <i>Physical Review B</i> , 2009 , 79,	3-3	172
1461	Temperature-dependent pseudogap in the oxypnictides LaFeAsO _{1-x} F _x and LaFePO _{1-x} F _x seen via angle-integrated photoemission. <i>Physical Review B</i> , 2009 , 79,	3-3	24
1460	Electronic structure of the BaFe ₂ As ₂ family of iron-pnictide superconductors. <i>Physical Review B</i> , 2009 , 80,	3-3	110
1459	Superconducting state coexisting with a phase-separated static magnetic order in (Ba,K)Fe ₂ As ₂ , (Sr,Na)Fe ₂ As ₂ , and CaFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 80,	3-3	115
1458	Magnetism in CeFeAsO _{1-x} F _x and LaFeAsO _{1-x} F _x from first principles. <i>Physical Review B</i> , 2009 , 80,	3-3	11
1457	Analysis of the transport properties of iron pnictides: Spin-fluctuation scenario. <i>Physical Review B</i> , 2009 , 80,	3-3	16
1456	Constraints on the possible pairing symmetry of iron arsenide superconductors in a two-orbital model. <i>Physical Review B</i> , 2009 , 79,	3-3	10
1455	Quantum critical behavior driven by Hund's rule coupling in quantum antiferromagnets. <i>Physical Review B</i> , 2009 , 79,	3-3	7
1454	Theory of Raman response of a superconductor with extended s-wave symmetry: Application to the iron pnictides. <i>Physical Review B</i> , 2009 , 79,	3-3	32
1453	Two-dimensional resonant magnetic excitation in BaFe _{1.84} Co _{0.16} As ₂ . <i>Physical Review Letters</i> , 2009 , 102, 107005	7-4	228
1452	Strong coupling theory for superconducting iron pnictides. <i>Physical Review Letters</i> , 2009 , 102, 047006	7-4	74
1451	Correlated electrons in Fe-As compounds: a quantum chemical perspective. <i>Physical Review Letters</i> , 2009 , 102, 136405	7-4	15
1450	Insular superconductivity in a Co-doped iron pnictide CaFe _{1-x} CoxAsF. <i>Physical Review Letters</i> , 2009 , 103, 027002	7-4	39

1449	Optical spectroscopy of superconducting Ba _{0.55} K _{0.45} Fe ₂ As ₂ : evidence for strong coupling to low-energy bosons. <i>Physical Review Letters</i> , 2009 , 102, 187003	7.4	62
1448	Doping driven ($\pi, 0$) nesting and magnetic properties of Fe _{1+x} Te superconductors. <i>Physical Review Letters</i> , 2009 , 103, 067001	7.4	90
1447	Muon spin relaxation studies of the frustrated quasi-two-dimensional square-lattice spin system Cu(Cl,Br)La(Nb,Ta)2O7: Evolution from spin-gap to antiferromagnetic state. <i>Physical Review B</i> , 2009 , 80,	3.3	24
1446	Global phase diagram for magnetism and lattice distortion of iron-pnictide materials. <i>Physical Review B</i> , 2009 , 80,	3.3	53
1445	Vortex core states in a minimal two-band model for iron-based superconductors. <i>Physical Review B</i> , 2009 , 80,	3.3	19
1444	Low ordered magnetic moment by off-diagonal frustration in undoped parent compounds to iron-based high-T(c) superconductors. <i>Physical Review Letters</i> , 2009 , 103, 097204	7.4	17
1443	Pressure-induced lattice collapse in the tetragonal phase of single-crystalline Fe _{1.05} Te. <i>Physical Review B</i> , 2009 , 80,	3.3	27
1442	Origin of the structural phase transition in BaNi ₂ As ₂ at 130 K: A combined study of optical spectroscopy and band structure calculations. <i>Physical Review B</i> , 2009 , 80,	3.3	31
1441	Upper and lower critical magnetic fields of superconducting NdFeAsO _{1-x} single crystals studied by Hall-probe magnetization and specific heat. <i>Physical Review B</i> , 2009 , 79,	3.3	46
1440	Magnetic structure of EuFe ₂ As ₂ determined by single-crystal neutron diffraction. <i>Physical Review B</i> , 2009 , 80,	3.3	139
1439	Angular dependence of x-ray absorption spectrum for field-aligned iron-based superconductors. <i>Physical Review B</i> , 2009 , 80,	3.3	11
1438	Evidence for local moments by electron spin resonance study of polycrystalline LaFeAsO _{1-x} (x=0 and 0.13). <i>Physical Review B</i> , 2009 , 79,	3.3	14
1437	Impurity effects on the δ -s-wave state of the iron-based superconductors. <i>Physical Review B</i> , 2009 , 79,	3.3	136
1436	Thermal expansion of LaFeAsO _{1-x} : Evidence for high-temperature fluctuations. <i>Physical Review B</i> , 2009 , 80,	3.3	26
1435	Antiphase magnetic boundaries in iron-based superconductors: A first-principles density-functional theory study. <i>Physical Review B</i> , 2009 , 80,	3.3	9
1434	Optical study of the spin-density-wave properties of single-crystalline Na _{1-x} FeAs. <i>Physical Review B</i> , 2009 , 80,	3.3	18
1433	First-principles investigation of the effect of pressure on BaFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	19
1432	Direct imaging of the structural domains in the iron pnictides AFe ₂ As ₂ (A=Ca,Sr,Ba). <i>Physical Review B</i> , 2009 , 79,	3.3	122

1431	Experimental detection of sign-reversal pairing in iron-based superconductors. <i>Physical Review B</i> , 2009 , 79,	3-3	44
1430	Suppression of spin-density-wave transition and emergence of ferromagnetic ordering of Eu ²⁺ moments in EuFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 79,	3-3	43
1429	Infrared phonon anomaly in BaFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 80,	3-3	72
1428	Neutron diffraction study of the magnetic and structural phase transitions in BaFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 79,	3-3	97
1427	Density functional study of the electronic structure and magnetism of LaFeAsO alloyed with Zn. <i>Physical Review B</i> , 2009 , 80,	3-3	22
1426	Fermi-liquid state and enhanced electron correlations in the iron pnictide CaFe ₄ As ₃ . <i>Physical Review B</i> , 2009 , 80,	3-3	16
1425	Unusual doping dependence of superconductivity in NaFeAs. <i>Physical Review B</i> , 2009 , 79,	3-3	19
1424	Structure and anisotropic properties of BaFe ₂ As ₂ (x=0, 1, and 2) single crystals. <i>Physical Review B</i> , 2009 , 79,	3-3	80
1423	Microscopic origin of pressure-induced phase transitions in the iron pnictide superconductors AFe ₂ As ₂ : An ab initio molecular dynamics study. <i>Physical Review B</i> , 2009 , 80,	3-3	57
1422	Theoretical investigation of magnetic order in RFeAsO (R=Ce,Pr). <i>Physical Review B</i> , 2009 , 79,	3-3	13
1421	Anisotropic phase diagram and strong coupling effects in Ba _{1-x} K _x Fe ₂ As ₂ from specific-heat measurements. <i>Physical Review B</i> , 2009 , 79,	3-3	56
1420	Microwave surface-impedance measurements of the magnetic penetration depth in single crystal Ba _{1-x} K _x Fe ₂ As ₂ superconductors: evidence for a disorder-dependent superfluid density. <i>Physical Review Letters</i> , 2009 , 102, 207001	7-4	138
1419	Flux growth at ambient pressure of millimeter-sized single crystals of LaFeAsO, LaFeAsO _{1-x} F _x , and LaFe _{1-x} Co _x AsO. 2009 , 95, 222504		75
1418	Modeling the antiferromagnetic phase in iron pnictides: weakly ordered state. <i>Physical Review Letters</i> , 2009 , 103, 247202	7-4	30
1417	Static and dynamic magnetism in underdoped superconductor BaFe _{1.92} Co _{0.08} As ₂ . <i>Physical Review Letters</i> , 2009 , 103, 087002	7-4	145
1416	Transition from three-dimensional anisotropic spin excitations to two-dimensional spin excitations by electron doping the FeAs-based BaFe _{1.96} Ni _{0.04} As ₂ superconductor. <i>Physical Review Letters</i> , 2009 , 103, 087005	7-4	34
1415	Enhancement of pairing interaction and magnetic fluctuations toward a band insulator in an electron-doped Li(x)ZrNiCl Superconductor. <i>Physical Review Letters</i> , 2009 , 103, 077004	7-4	47
1414	Crystal structure and phase transitions across the metal-superconductor boundary in the SmFeAsO _{1-x} F _x (0 ≤ x ≤ 0.20) family. <i>Physical Review B</i> , 2009 , 79,	3-3	107

1413	Vortex states in iron-based superconductors with collinear antiferromagnetic cores. <i>Physical Review B</i> , 2009 , 80,	3-3	21
1412	Electrodynamical response of incoherent metals: Normal phase of iron pnictides. <i>Physical Review B</i> , 2009 , 79,	3-3	28
1411	Orbital ordering induces structural phase transition and the resistivity anomaly in iron pnictides. <i>Physical Review B</i> , 2009 , 80,	3-3	215
1410	Kramers degeneracy in a magnetic field and Zeeman spin-orbit coupling in antiferromagnetic conductors. <i>Physical Review B</i> , 2009 , 79,	3-3	13
1409	A75s NMR study of oriented CeFeAsO and CeFeAsO _{0.84} F _{0.16} . <i>Physical Review B</i> , 2009 , 79,	3-3	4
1408	Phase diagram of the frustrated spatially-anisotropic S=1 antiferromagnet on a square lattice. <i>Physical Review B</i> , 2009 , 79,	3-3	43
1407	Doping dependence of the upper critical field and Hall resistivity of LaFeAsO _{1-x} F _x (x=0, 0.025, 0.05, 0.07, 0.11, and 0.14). <i>Physical Review B</i> , 2009 , 79,	3-3	24
1406	Raman phonons of $\sqrt{5}$ -FeTe and Fe _{1.03} Se _{0.3} Te _{0.7} single crystals. <i>Physical Review B</i> , 2009 , 79,	3-3	52
1405	Supercell studies of the Fermi surface changes in the electron-doped superconductor LaFeAsO _{1-x} F _x . <i>Physical Review B</i> , 2009 , 79,	3-3	12
1404	Renormalized behavior and proximity of BaCo ₂ As ₂ to a magnetic quantum critical point. <i>Physical Review B</i> , 2009 , 79,	3-3	93
1403	Magnetic structure of EuFe ₂ As ₂ as determined by resonant x-ray scattering. <i>Physical Review B</i> , 2009 , 80,	3-3	51
1402	Neutron powder diffraction investigation of the structural and magnetic properties of (La _{1-y} Y _y)FeAsO (y=0.10, 0.20, and 0.30). <i>Physical Review B</i> , 2009 , 80,	3-3	13
1401	Microstructure and tetragonal-to-orthorhombic phase transition of AFe ₂ As ₂ (A=Sr,Ca) as seen via transmission electron microscopy. <i>Physical Review B</i> , 2009 , 79,	3-3	26
1400	Band-structure reorganization across the magnetic transition in BaFe ₂ As ₂ seen via high-resolution angle-resolved photoemission. <i>Physical Review B</i> , 2009 , 80,	3-3	45
1399	First-principles calculations of the effect of pressure on the iron-based superconductor LaFeAsO. <i>Physical Review B</i> , 2009 , 80,	3-3	6
1398	Inelastic neutron-scattering measurements of a three-dimensional spin resonance in the FeAs-based BaFe _{1.9} Ni _{0.1} As ₂ superconductor. <i>Physical Review Letters</i> , 2009 , 102, 107006	7-4	161
1397	Signatures of electronic correlations in optical properties of LaFeAsO _{1-x} F _x . <i>Physical Review Letters</i> , 2009 , 102, 027001	7-4	59
1396	Coexistence of itinerant electrons and local moments in iron-based superconductors. 2009 , 88, 17010		76

1395	Direct imaging of doped fluorine in LaFeAsO _{1-x} F _x superconductor by atomic scale spectroscopy. 2009 , 95, 193107		18
1394	Theory of multiband superconductivity in iron pnictides. <i>Physical Review Letters</i> , 2009 , 103, 017002	7.4	29
1393	Unusual doping dependence of the electronic structure and coexistence of spin-density-wave and superconductor phases in single crystalline Sr _{1-x} K _x Fe ₂ As ₂ . <i>Physical Review Letters</i> , 2009 , 102, 127003	7.4	61
1392	Static magnetic order and superfluid density of RFeAs(O,F) (R=La,Nd,Ce) and LaFePO studied by muon spin relaxation: unusual similarities with the behavior of cuprate superconductors. <i>Physical Review Letters</i> , 2009 , 102, 087001	7.4	57
1391	Spin gap and resonance at the nesting wave vector in superconducting FeSe _{0.4} Te _{0.6} . <i>Physical Review Letters</i> , 2009 , 103, 067008	7.4	201
1390	Synthesis of SmFeAsO by an easy and versatile route and its physical property characterization. 2009 , 105, 07E316		13
1389	Pressure-induced magnetic transition and volume collapse in FeAs superconductors: an orbital-selective Mott scenario. 2009 , 11, 055064		33
1388	Magnetoresistance in Parent Pnictide AFe ₂ As ₂ (A = Sr, Ba). 2009 , 26, 107401		2
1387	Electronic structure of heavily electron-doped BaFe _{1.7} Co _{0.3} As ₂ studied by angle-resolved photoemission. 2009 , 11, 025020		114
1386	Near-degeneracy of several pairing channels in multiorbital models for the Fe pnictides. 2009 , 11, 025016		626
1385	Comparison of crystal structures and the effects of Co substitution in a new member of the Fe-1111 superconductor family AeFeAsF (Ae = Ca and Sr): a possible candidate for a higher-T _c superconductor. 2009 , 22, 055016		35
1384	Competitions of magnetism and superconductivity in FeAs-based materials. <i>Chinese Physics B</i> , 2009 , 18, 2545-2550	1.2	8
1383	Successive Phase Transitions under High Pressure in FeTe _{0.92} . <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 083709	1.5	49
1382	Antiferromagnetic Fluctuations in Fe(Se _{1-x} Te _x) _{0.92} (x= 0.75, 1) Observed by Inelastic Neutron Scattering. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 103704	1.5	23
1381	Universal linear-temperature dependence of static magnetic susceptibility in iron pnictides. 2009 , 86, 37006		88
1380	Limits on the Superconducting Order Parameter in NdFeAsO _{1-x} F _y from Scanning SQUID Microscopy. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 013708	1.5	32
1379	Systematic Study on Fluorine-Doping Dependence of Superconducting and Normal State Properties in LaFePO _{1-x} F _x . <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 114712	1.5	22
1378	Spin Susceptibility, Phase Diagram, and Quantum Criticality in the Electron-Doped High T _c Superconductor Ba(Fe _{1-x} Co _x) ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 013711	1.5	153

1377	A structural study of the hole-doped superconductors $\text{Pr}_{1-x}\text{Sr}_x\text{FeAsO}$. 2009 , 11, 083003		8
1376	Mössbauer study of superconducting $\text{NdFeAsO}_{0.88}\text{F}_{0.12}$ and its parent compound NdFeAsO . <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 455701	1.8	10
1375	Low-energy spin dynamics in the antiferromagnetic phase of CaFe_2As_2 . 2009 , 11, 075004		24
1374	First Principles Study on FeAs Single Layers. 2009 , 22, 139-142		1
1373	Striped antiferromagnetism and electronic structures of SrFeAsF and their implications. 2009 , 85, 67009		12
1372	Two-Dimensional Spin Dynamics in the Itinerant Ferromagnet LaCoPO Revealed by Magnetization and ^{31}P -NMR Measurements. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 113705	1.5	14
1371	Pressure dependence of the thermoelectric power of the iron-based high- T_c superconductor $\text{SmFeAsO}_{0.85}$. 2009 , 11, 025006		12
1370	Absorption and photoemission spectroscopy of rare-earth oxypnictides. 2009 , 11, 025019		9
1369	Spin fluctuations, interband coupling and unconventional pairing in iron-based superconductors. 2009 , 11, 025009		115
1368	Effect of 3d transition metal doping on the superconductivity in quaternary fluoroarsenide CaFeAsF . 2009 , 11, 025012		43
1367	Theory of magnetic order in $\text{Fe}_{1+y}\text{Te}_{1-x}\text{Se}_x$. 2009 , 86, 67005		65
1366	Superconducting pairing symmetry and energy gaps of the two-orbital $t-t'-J-J'$ model: comparisons with the ARPES experiments in iron pnictides. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 255701	1.8	6
1365	Competition of magnetism and superconductivity in underdoped $(\text{Ba}_{1-x}\text{K}_x)\text{Fe}_2\text{As}_2$. 2009 , 11, 025014		83
1364	Impurity states in a family of antiferromagnetic iron arsenides. 2009 , 11, 025022		5
1363	Superconductivity induced by Ni doping in $\text{SmFe}_{1-x}\text{Ni}_x\text{AsO}$. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 355702	1.8	22
1362	The band structure and Fermi surface of $(\text{Sr}_3\text{Sc}_2\text{O}_5)\text{Fe}_2\text{As}_2$. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 415702	1.8	1
1361	Metamagnetic transition in EuFe_2As_2 single crystals. 2009 , 11, 025007		89
1360	Heavy-anion solvation of polarity fluctuations in pnictides. 2009 , 86, 17006		47

1359	Effect of tetrahedral distortion on the electronic properties of iron pnictides. 2009 , 11, 013051		24
1358	An NMR study on the F-doping evolution of the iron oxypnictide LaFeAs(O _{1-x} F _x). 2009 , 11, 045004		31
1357	Muon spin rotation study of magnetism and superconductivity in BaFe ₂ As ₂ and Pr _{1-x} Sr _x FeAsO. 2009 , 11, 055050		40
1356	Effect of hybridization on structural and magnetic properties of iron-based superconductors. 2009 , 11, 083030		8
1355	Electronic properties of LaO _{1-x} F _x FeAs in the normal state probed by NMR/NQR. 2009 , 11, 035002		29
1354	Competition/coexistence of magnetism and superconductivity in iron pnictides probed by muon spin rotation. 2009 , 11, 035006		22
1353	Upper critical field, superconducting energy gaps and the Seebeck coefficient in La(0.8)Th(0.2)FeAsO. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 175705	1.8	22
1352	Temperature-dependent striped antiferromagnetism of LaFeAsO in a Green's function approach. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 195701	1.8	3
1351	Effect of Zn doping on magnetic order and superconductivity in LaFeAsO. 2009 , 11, 053008		33
1350	Superconductivity in LaFeAs _{1-x} P _x O: Effect of chemical pressures and bond covalency. 2009 , 86, 47002		89
1349	The intrinsic electronic phase diagram of iron-oxypnictide superconductors. 2009 , 87, 17005		103
1348	Electronic Structure of Superconducting FeSe Studied by High-Resolution Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 034708	1.5	34
1347	Distorted magnetic orders and electronic structures of tetragonal FeSe from first principles. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 115701	1.8	9
1346	Magnetic measurements of superconducting NdFeAsO _{0.82} F _{0.18} oxypnictide. 2009 , 22, 055008		7
1345	Thermally activated energy and critical magnetic fields of SmFeAsO _{0.9} F _{0.1} . 2009 , 22, 065012		36
1344	Superconductivity in fluoride-arsenide Sr _{1-x} La _x FeAsF compounds. 2009 , 85, 17011		53
1343	The role of F-doping and oxygen vacancies on the superconductivity in SmFeAsO compounds. 2009 , 22, 025004		44
1342	Superconducting Fe _{1-x} Bi _x thin films: growth, characterization and properties. 2009 , 22, 095018		25

1341	Raman spectra in iron-based quaternary CeO _{1-x} Fe _x As and LaO _{1-x} Fe _x As. 2009 , 22, 015017		22
1340	Three-Dimensional Electronic Structure of Superconducting Iron Pnictides Observed by Angle-Resolved Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 123706	1.5	61
1339	Coherence–incoherence crossover in the normal state of iron oxypnictides and importance of Hund’s rule coupling. 2009 , 11, 025021		333
1338	Superconductivity up to 30 K in the vicinity of the quantum critical point in BaFe ₂ (As _{1-x} P _x) ₂ . <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 382203	1.8	226
1337	Iron pnictides as a new setting for quantum criticality. 2009 , 106, 4118-21		154
1336	Research and Prospects of Iron-Based Superconductors. 2009 , 21, 4584-4592		139
1335	Compositionally controlled semimetal to superconducting transition in NaF doped LaOFeAs: Enhancement in T _c due to Na-doping. 2009 , 469, 300-304		3
1334	Penetration depth, lower critical fields, and quasiparticle conductivity in Fe-arsenide superconductors. 2009 , 469, 590-598		15
1333	Probing the ground state properties of iron-based superconducting pnictides and related systems by muon-spin spectroscopy. 2009 , 469, 606-613		14
1332	Normal state transport properties in single crystals of Ba _{1-x} K _x Fe ₂ As ₂ and NdFeAsO _{1-x} Fe _x . 2009 , 469, 477-484		18
1331	Point-contact Andreev-reflection spectroscopy in ReFeAsO _{1-x} Fe _x (Re = La, Sm): Possible evidence for two nodeless gaps. 2009 , 469, 512-520		50
1330	Electronic properties of iron arsenic high temperature superconductors revealed by angle resolved photoemission spectroscopy (ARPES). 2009 , 469, 491-497		22
1329	Electronic structure, magnetism and superconductivity of layered iron compounds. 2009 , 469, 886-889		14
1328	Model construction and pairing symmetry for the iron-based oxypnictides. 2009 , 469, 890-893		1
1327	First-principle electronic structure calculations for magnetic moment in iron-based superconductors: An LSDA+negative U study. 2009 , 469, 908-911		23
1326	First-principle calculation for the phonon structure on iron-based superconductors. 2009 , 469, 1024-1026		6
1325	A Unified Theory for the Cuprates, Iron-Based and Similar Superconducting Systems: Application for Spin and Charge Excitations in the Hole-Doped Cuprates. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 3-11	1.5	2
1324	Synthesis, Crystal Growth and Epitaxial Layers Growth of FeSe _{0.88} Superconductor and Other Poison Materials by Use of High Gas Pressure Trap System. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 599-602	1.5	9

1323	High Resolution Compton Scattering as a Probe of the Fermi Surface in the Iron-based Superconductor $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 569-573	1.5	2
1322	X-ray Absorption Spectroscopy Probing the Local Structure Changes at the Tetragonal-Orthorhombic Transition in LnOFeAs Pnictides. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 579-583	1.5	6
1321	Pressure Effect on Superconductivity and Magnetism in H-FeSe_x . <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 667-670	1.5	15
1320	Point-Contact Andreev-Reflection Spectroscopy in the Fe-based Superconductor $\text{LaFeAsO}_{1-x}\text{F}_x$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 553-557	1.5	4
1319	Magneto-thermopower of parent compound LaFeAsO . 2009 , 4, 455-458		2
1318	Theory for superconductivity in iron pnictides at large Coulomb U limit. 2009 , 4, 447-454		
1317	Studies on the superconductivity for the 111 -type iron arsenide superconductor. 2009 , 4, 464-468		4
1316	Optical properties of FeAs-based parent compound: A comparative study for polycrystalline EuFe_2As_2 and LaFeAsO . 2009 , 4, 459-463		1
1315	Band structure, Fermi surface, and superconducting gap in FeAs-based superconductors revealed by angle-resolved photoemission spectroscopy. 2009 , 4, 427-432		4
1314	A unified description of cuprate and iron arsenide superconductors. 2009 , 4, 433-446		9
1313	The Layered Iron Arsenide Oxides $\text{Sr}_2\text{CrO}_3\text{FeAs}$ and $\text{Ba}_2\text{ScO}_3\text{FeAs}$. 2009 , 635, 2242-2248		27
1312	(π, π) electronic order in iron arsenide superconductors. <i>Nature</i> , 2009 , 457, 569-72	50.4	172
1311	A large iron isotope effect in $\text{SmFeAsO}(1-x)\text{F}(x)$ and $\text{Ba}(1-x)\text{K}(x)\text{Fe}_2\text{As}_2$. <i>Nature</i> , 2009 , 459, 64-7	50.4	148
1310	Breakdown of the Bardeen-Cooper-Schrieffer ground state at a quantum phase transition. <i>Nature</i> , 2009 , 459, 405-9	50.4	36
1309	Coexistence of static magnetism and superconductivity in $\text{SmFeAsO}(1-x)\text{F}(x)$ as revealed by muon spin rotation. 2009 , 8, 310-4		245
1308	The electronic phase diagram of the $\text{LaO}(1-x)\text{F}(x)\text{FeAs}$ superconductor. 2009 , 8, 305-9		363
1307	A key role for unusual spin dynamics in ferropnictides. 2009 , 5, 141-145		237
1306	Spin waves and magnetic exchange interactions in CaFe_2As_2 . 2009 , 5, 555-560		331

1305	Electronic correlations in the iron pnictides. 2009 , 5, 647-650		285
1304	Kramers degeneracy in a magnetic field and zeeman spin-orbit coupling in antiferromagnetic conductors. <i>Physica B: Condensed Matter</i> , 2009 , 404, 360-363	2.8	1
1303	Unconventional superconductivity originating from disconnected Fermi surfaces in the iron-based compound. <i>Physica B: Condensed Matter</i> , 2009 , 404, 700-705	2.8	5
1302	⁷⁵ As and ¹³⁹ La NMR studies on LaFeAs(O _{1-x} F _x). <i>Physica B: Condensed Matter</i> , 2009 , 404, 3089-3094	2.8	4
1301	Energy-scale phenomenology and pairing via resonant spin-charge motion in FeAs, CuO, heavy-fermion and other exotic superconductors. <i>Physica B: Condensed Matter</i> , 2009 , 404, 3195-3201	2.8	21
1300	In vitro studies of cells grown on the superconductor PrO(x)FeAs. 2009 , 40, 476-9		
1299	Growth of NdFeAs(O _{1-x} F _x) single crystals at ambient pressure and their transport properties. 2009 , 311, 358-361		20
1298	Elastic properties and chemical bonding in ternary arsenide SrFe ₂ As ₂ and quaternary oxyarsenide LaFeAsO - Basic phases for new 38K superconductors from first principles. 2009 , 469, 15-19		32
1297	Sulfur substitution and pressure effect on superconductivity of Hg-FeSe. 2009 , 469, 297-299		11
1296	Novel superconducting characteristics and unusual normal-state properties in iron-based pnictide superconductors: ⁵⁷ FeNMR and ⁷⁵ AsNQR/NMR studies in REFeAsO _{1-x} (RE=La, Pr, Nd) and Ba _{0.6} K _{0.4} Fe ₂ As ₂ . 2009 , 469, 559-565		23
1295	High-field phase-diagram of Fe arsenide superconductors. 2009 , 469, 566-574		26
1294	Specific heat and phase diagrams of single crystal iron pnictide superconductors. 2009 , 469, 575-581		17
1293	Two classes of superconductors discovered in our material research: Iron-based high temperature superconductor and electride superconductor. 2009 , 469, 314-325		45
1292	Superconductivity, magnetism and crystal chemistry of Ba _{1-x} K _x Fe ₂ As ₂ . 2009 , 469, 332-339		55
1291	Unconventional pairing originating from disconnected Fermi surfaces in the iron-based superconductor. 2009 , 469, 635-639		11
1290	Renormalization group analysis of competing orders and the pairing symmetry in Fe-based superconductors. 2009 , 469, 640-650		78
1289	Doping -dependent irreversible magnetic properties of Ba(Fe _{1-x} Cox) ₂ As ₂ single crystals. 2009 , 469, 667-673		34
1288	Parent phase and superconductors in the fluorine derivative family. 2009 , 469, 381-384		15

1287	Electronic structure of Fe-based superconductors. 2009 , 469, 418-424		117
1286	Inelastic neutron scattering studies of the spin and lattice dynamics in iron arsenide compounds. 2009 , 469, 498-506		17
1285	Frustrated magnetic interactions, giant magnetoelastic coupling, and magnetic phonons in iron pnictides. 2009 , 469, 425-441		111
1284	Strength of correlations in pnictides and its assessment by theoretical calculations and spectroscopy experiments. 2009 , 469, 442-447		39
1283	Determination of superconducting gap of SmFeAsFxO1-x superconductors by Andreev reflection spectroscopy. 2009 , 469, 521-528		20
1282	ARPES studies of the electronic structure of LaOFe(P, As). 2009 , 469, 452-458		63
1281	Optical and Raman spectroscopy studies on Fe-based superconductors. 2009 , 469, 545-558		44
1280	Divergency of SDW and structure transition in Fe1-xNixSe0.82 superconductors. 2009 , 469, 1958-1961		26
1279	Hidden SDW order and effective low-energy theory for FeAs superconductors. 2009 , 41, 1281-1284		8
1278	SDW antiferromagnetic phase in the two-dimensional Hubbard model: Eliashberg approach. 2009 , 373, 473-479		5
1277	The first-principles studying LaOMnSe: A possible parent compound of superconductor. 2009 , 374, 351-354		4
1276	Magnetic phase diagram of Eu1-xLaxFe2As2 single crystals. 2009 , 321, 3870-3874		15
1275	Suppression of spin density wave by isoelectronic substitution in PrFe1-xRuxAsO. 2009 , 182, 2326-2331		36
1274	Electronic structure and unusual exchange splitting in the spin-density-wave state of the BaFe2As2 parent compound of iron-based superconductors. <i>Physical Review Letters</i> , 2009 , 102, 107002	7-4	137
1273	Synthesis and physical properties of LaO1-xFxFeAs. <i>European Physical Journal B</i> , 2009 , 70, 461-468	1.2	41
1272	Striped antiferromagnetic order and electronic properties of stoichiometric LiFeAs from first-principles calculations. <i>European Physical Journal B</i> , 2009 , 72, 153-157	1.2	13
1271	Structural phase transitions and superconductivity in Fe(1+delta)Se0.57Te0.43 at ambient and elevated pressures. 2009 , 131, 16944-52		96
1270	Superconductivity of FeSe0.89 crystal with hexagonal and tetragonal structures. 2009 , 22, 075016		24

1269	Coexistence of the spin-density wave and superconductivity in Ba _{1-x} K _x Fe ₂ As ₂ . 2009 , 85, 17006		296
1268	Two-gap superconductivity in the Fe-1111 superconductor LaFeAsO _{1-x} F _x : A point-contact Andreev-reflection study. 2009 , 7,		7
1267	Suppression of superconductivity in FeSe films under tensile strain. 2009 , 94, 242505		89
1266	Chemical bonding and electronic and magnetic structure in LaOFeAs. 2009 , 131, 906-7		14
1265	Magnetic and metallic state at intermediate Hubbard U coupling in multiorbital models for undoped iron pnictides. <i>Physical Review B</i> , 2009 , 79,	3-3	59
1264	Classification of the electronic correlation strength in the iron pnictides: The case of the parent compound BaFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 80,	3-3	78
1263	Synthesis and microstructural studies of iron oxypnictide LaO _{1-x} F _x FeAs superconductors. 2009 , 22, 015005		12
1262	Determination of the phase diagram of the electron-doped superconductor Ba(Fe _{1-x} Co _x) ₂ As ₂ . <i>Physical Review B</i> , 2009 , 79,	3-3	447
1261	Absence of superconductivity in single-phase CaFe ₂ As ₂ under hydrostatic pressure. <i>Physical Review B</i> , 2009 , 79,	3-3	146
1260	Sr ₃ Sc ₂ Fe ₂ As ₂ O ₅ as a possible parent compound for FeAs-based superconductors. <i>Physical Review B</i> , 2009 , 79,	3-3	124
1259	First-Principles Study for the Anisotropy of Iron-Based Superconductors toward Power and Device Applications. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 123712	1-5	42
1258	Superconductivity at 56 K in samarium-doped SrFeAsF. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 142203	1-8	100
1257	Orbital coupling and superconductivity in the iron pnictides. <i>Physical Review B</i> , 2009 , 79,	3-3	56
1256	Properties of a two-orbital model for oxypnictide superconductors: Magnetic order, B _{2g} spin-singlet pairing channel, and its nodal structure. <i>Physical Review B</i> , 2009 , 79,	3-3	106
1255	Possible Sign-Reversings-Wave Superconductivity in Co-Doped BaFe ₂ As ₂ Proved by Thermal Transport Measurements. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 073705	1-5	32
1254	Scanning tunneling spectroscopy and vortex imaging in the iron pnictide superconductor BaFe _{1.8} Co _{0.2} As ₂ . <i>Physical Review Letters</i> , 2009 , 102, 097002	7-4	221
1253	Nonmagnetic impurity resonances as a signature of sign-reversal pairing in FeAs-based superconductors. <i>Physical Review Letters</i> , 2009 , 103, 186402	7-4	63
1252	Band structure and fermi surface of an extremely overdoped iron-based superconductor KFe ₂ As ₂ . <i>Physical Review Letters</i> , 2009 , 103, 047002	7-4	182

1251	Kondo resonance narrowing in d- and f-electron systems. <i>Physical Review Letters</i> , 2009 , 103, 147205	7.4	65
1250	Anisotropy in the electrical resistivity and susceptibility of superconducting BaFe ₂ As ₂ single crystals. <i>Physical Review Letters</i> , 2009 , 102, 117005	7.4	210
1249	Tetragonal-to-orthorhombic structural phase transition at 90 K in the superconductor Fe(1.01)Se. <i>Physical Review Letters</i> , 2009 , 103, 057002	7.4	371
1248	Evidence for three-dimensional Fermi-surface topology of the layered electron-doped iron superconductor Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	89
1247	Tetragonal to orthorhombic phase transition in SmFeAsO: A synchrotron powder diffraction investigation. 2009 , 477, L21-L23		24
1246	Electrical transport properties of Mn-doped LaFeAsO oxypnictide. 2009 , 481, 470-472		10
1245	Micro-Raman and infrared study of NdFeAsO _{0.85} . 2009 , 487, 430-433		6
1244	Tunable (d _{xy} , d _{xy})-type antiferromagnetic order in alpha-Fe(Te,Se) superconductors. <i>Physical Review Letters</i> , 2009 , 102, 247001	7.4	559
1243	Coexistence of incommensurate magnetism and superconductivity in Fe _{1+y} SexTe _{1-x} . <i>Physical Review B</i> , 2009 , 80,	3.3	112
1242	Anharmonic softening of Raman active phonons in iron-pnictides: Estimating the Fe isotope effect due to anharmonic expansion. <i>Physical Review B</i> , 2009 , 79,	3.3	14
1241	Isotope effect and the role of phonons in the iron-based superconductors. <i>Physical Review B</i> , 2009 , 79,	3.3	14
1240	First-order magnetic and structural phase transitions in Fe _{1+y} SexTe _{1-x} . <i>Physical Review B</i> , 2009 , 79,	3.3	455
1239	Coulomb repulsion and correlation strength in LaFeAsO from density functional and dynamical mean-field theories. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 075602	1.8	87
1238	Three-band s ⁻ Eliashberg theory and the superconducting gaps of iron pnictides. <i>Physical Review B</i> , 2009 , 80,	3.3	51
1237	Pressure evolution of the low-temperature crystal structure and bonding of the superconductor FeSe (T _c =37 K). <i>Physical Review B</i> , 2009 , 80,	3.3	485
1236	Antiferromagnetic bipolar semiconductor LaMnPO with ZrCuSiAs-type structure. 2009 , 105, 093916		44
1235	Multiband magnetism and superconductivity in Fe-based compounds. 2009 , 85, 37002		296
1234	Strong coupling of the Fe-spin state and the As-As hybridization in iron-pnictide superconductors from first-principle calculations. <i>Physical Review Letters</i> , 2009 , 102, 037003	7.4	240

1233	Response of superconductivity and crystal structure of LiFeAs to hydrostatic pressure. 2009 , 131, 2986-92		49
1232	Transport and infrared properties of SmFeAs(O _{1-x} F _x): from SDW to superconducting ordering. 2009 , 22, 034004		33
1231	Local structure of ReFeAsO (Re=La, Pr, Nd, Sm) oxypnictides studied by Fe K-edge EXAFS. 2009 , 87, 26005		29
1230	Tight-binding model for iron pnictides. <i>Physical Review B</i> , 2009 , 80,	3-3	47
1229	Conducting solids. 2009 , 105, 436		1
1228	Superconductivity induced by phosphorus doping and its coexistence with ferromagnetism in EuFe ₂ (As _{0.7} P _{0.3}) ₂ . <i>Physical Review Letters</i> , 2009 , 102, 137002	7-4	224
1227	Rare earth magnetism in CeFeAsO: a single crystal study. 2009 , 11, 103050		45
1226	Influence of the rare-earth element on the effects of the structural and magnetic phase transitions in CeFeAsO, PrFeAsO and NdFeAsO. 2009 , 11, 025011		102
1225	Correlation effects in the iron pnictides. 2009 , 11, 045001		64
1224	Pnictogen height as a possible switch between high-T _c nodeless and low-T _c nodal pairings in the iron-based superconductors. <i>Physical Review B</i> , 2009 , 79,	3-3	580
1223	Suppression of the structural phase transition and lattice softening in slightly underdoped Ba _{1-x} K _x Fe ₂ As ₂ with electronic phase separation. <i>Physical Review B</i> , 2009 , 79,	3-3	35
1222	Effect of external pressure on the Fe magnetic moment in undoped LaFeAsO from density functional theory: Proximity to a magnetic instability. <i>Physical Review B</i> , 2009 , 79,	3-3	35
1221	Effect of pressure on the iron arsenide superconductor Li _x FeAs (x=0.8,1.0,1.1). <i>Physical Review B</i> , 2009 , 80,	3-3	60
1220	Pressure shift of the superconducting T _c of LiFeAs. 2009 , 85, 27005		47
1219	Neutron scattering study of the interplay between structure and magnetism in Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Physical Review B</i> , 2009 , 79,	3-3	162
1218	Charge-carrier localization induced by excess Fe in the superconductor Fe _{1+y} Te _{1-x} Sex. <i>Physical Review B</i> , 2009 , 80,	3-3	205
1217	Superconductivity and Transport Properties in Th and F Codoped Sm _{1-x} Th _x FeAsO _{1-y} F _y . 2009 , 26, 017402		6
1216	Identification of the <i>s</i> -wave pairing state in iron-pnictide superconductors using the Riedel anomaly. <i>Physical Review B</i> , 2009 , 79,	3-3	13

1215	Functional renormalization-group study of the pairing symmetry and pairing mechanism of the FeAs-based high-temperature superconductor. <i>Physical Review Letters</i> , 2009 , 102, 047005	7-4	408
1214	Andreev spectroscopy of LaFeAsO _{0.9} F _{0.1} . <i>Physical Review B</i> , 2009 , 79,	3-3	31
1213	Systematic A75s NMR study of the dependence of low-lying excitations on F doping in the iron oxypnictide LaFeAsO _{1-x} F _x . <i>Physical Review B</i> , 2009 , 79,	3-3	26
1212	Coexistence of two order parameters and a pseudogaplike feature in the iron-based superconductor LaFeAsO _{1-x} F _x . <i>Physical Review B</i> , 2009 , 79,	3-3	53
1211	Crystal orientation and thickness dependence of the superconducting transition temperature of tetragonal FeSe _{1-x} thin films. <i>Physical Review Letters</i> , 2009 , 103, 117002	7-4	103
1210	The delicate electronic and magnetic structure of the LaFePnO system (Pn = pnictogen). 2009 , 11, 025004		46
1209	Neutron scattering investigation of the magnetic order in single crystalline BaFe ₂ As ₂ . 2009 , 11, 055001		37
1208	Crystal, spin, and electronic structure of the superconductor LiFeAs. <i>Physical Review B</i> , 2009 , 80,	3-3	20
1207	Density functional study of excess Fe in Fe _{1+x} Te: Magnetism and doping. <i>Physical Review B</i> , 2009 , 79,	3-3	149
1206	Effects of pressure on the electronic and structural properties of LaOFeAs. 2009 , 106, 073910		8
1205	Evidence of magnetically driven structural phase transition in RFeAsO (R=La, Sm, Gd, and Tb): A low-temperature x-ray diffraction study. <i>Physical Review B</i> , 2009 , 80,	3-3	31
1204	Ferro-orbital order and strong magnetic anisotropy in the parent compounds of iron-pnictide superconductors. <i>Physical Review Letters</i> , 2009 , 103, 267001	7-4	330
1203	Spin-orbital frustrations and anomalous metallic state in iron-pnictide superconductors. <i>Physical Review B</i> , 2009 , 79,	3-3	308
1202	Why does undoped FeSe become a high-T _c superconductor under pressure?. <i>Physical Review Letters</i> , 2009 , 102, 177005	7-4	340
1201	A new 111-type iron pnictide superconductor LiFeP. 2009 , 87, 37004		70
1200	Temperature and doping-dependent renormalization effects of the low energy electronic structure of Ba _{1-x} K _x Fe ₂ As ₂ single crystals. <i>Physical Review Letters</i> , 2009 , 102, 167001	7-4	20
1199	To What Extent Iron-Pnictide New Superconductors Have Been Clarified: A Progress Report. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 062001	1-5	632
1198	Interplay of rare earth and iron magnetism in RFeAsO (R=La, Ce, Pr, and Sm): Muon-spin relaxation study and symmetry analysis. <i>Physical Review B</i> , 2009 , 80,	3-3	114

1197	Electronic and magnetic phase diagram of beta-Fe(1.01)Se with superconductivity at 36.7 K under pressure. 2009 , 8, 630-3		852
1196	Nodal spin density wave and band topology of the FeAs-based materials. <i>Physical Review B</i> , 2009 , 79,	3.3	206
1195	Superconductivity, magnetism, and stoichiometry of single crystals of Fe _{1+y} (Te _{1-x} S _x) _z . <i>Physical Review B</i> , 2009 , 80,	3.3	96
1194	First-principles calculations of the electronic structure of tetragonal alpha-FeTe and alpha-FeSe crystals: evidence for a bicollinear antiferromagnetic order. <i>Physical Review Letters</i> , 2009 , 102, 177003	7.4	242
1193	Structural and magnetic phase transitions in Na _{1-x} FeAs. <i>Physical Review B</i> , 2009 , 80,	3.3	132
1192	Unconventional pairing originating from disconnected Fermi surfaces in the iron-based superconductor. 2009 , 11, 025017		15
1191	Interplay between magnetic properties and Fermi surface nesting in iron pnictides. <i>Physical Review B</i> , 2009 , 79,	3.3	78
1190	Electromagnetic properties of undoped LaFePnO (Pn= P, As). <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052090	0.3	3
1189	Doping dependent nonlinear Hall effect in SmFeAsO(1-x)F(x). <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 412201	1.8	6
1188	Scandium, Yttrium and the Lanthanides: Applications. 2009 ,		1
1187	RE L(3) x-ray absorption study of REO(1-x)F(x)FeAs (RE = La, Pr, Nd, Sm) oxypnictides. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 432201	1.8	19
1186	Pressure-Induced Modification of Crystal Structure in NdFeAsO _{1-y} (1-y=0.85), Accompanied by Remarkable Suppression of T _c . <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 013705	1.5	19
1185	Two-Dimensional Spin Density Wave State in LaFeAsO. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 043705	1.5	37
1184	High-Pressure ⁵⁷ Fe Mössbauer Spectroscopy of LaFeAsO. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 123703	1.5	16
1183	Unscreening Effect of Coulomb Interaction on Fe-Pnictide Superconductor. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 023703	1.5	8
1182	Iron-based superconductors. 2009 , 62, 36-40		22
1181	Polaron-like conduction in iron pnictides of the Ln-1111 and 122 families. 2009 , 88, 37004		7
1180	Minimal model for study on Superconductivity in LaFeAsO _{1-x} F _x based on ab-initio downfolding. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052010	0.3	4

1179	75As and 139La NMR/NQR investigations of iron-based superconductor LaFeAs(O _{0.89} F _{0.11}). <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052179	0.3	
1178	Isotope Effect in Multi-Band and Multi-Channel Attractive Systems and Inverse Isotope Effect in Iron-Based Superconductors. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 094718	1.5	26
1177	Perturbation Theory of High-T _c Superconductivity in Iron Pnictides. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 034716	1.5	28
1176	Multiorbital Effects on Antiferromagnetism in Fe Pnictides. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 083704	1.5	29
1175	Effect of Fermi Surface Topology on Inter-Layer Magnetoresistance in Layered Multiband Systems: Application to LaFeAsO _{1-x} F _x . <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 114702	1.5	4
1174	Strong-Coupling Spin-Singlet Superconductivity with Multiple Full Gaps in Hole-Doped Ba _{0.6} K _{0.4} Fe ₂ As ₂ Probed by ⁵⁷ Fe-NMR. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 103702	1.5	96
1173	Local lattice response in LaFeAsO _{0.93} F _{0.07} probed by x-ray absorption spectroscopy: Evidence for carrier-induced lattice distortion. <i>Journal of Physics: Conference Series</i> , 2009 , 190, 012094	0.3	1
1172	Mössbauer study of LaFeAsO and F-doped superconductors in external magnetic fields. <i>Journal of Physics: Conference Series</i> , 2010 , 217, 012120	0.3	0
1171	Superconductivity in multi-orbital t-J 1 -J 2 model and its implications for iron pnictides. 2010 , 91, 37006		32
1170	Antiferromagnetism with ferro-orbital order in Fe pnictides. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012097	0.3	1
1169	Magnetic properties of iron pnictides from spin-spiral calculations. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 032080	0.3	
1168	Ab initio Low-Dimensional Physics Opened Up by Dimensional Downfolding: Application to LaFeAsO. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 123708	1.5	16
1167	Coherence Effect of Sign-Reversing s [±] -Wave Cooper Pair State in Heavily Overdoped LaFeAsO-based Superconductor: ⁷⁵ As-Nuclear Quadrupole Resonance. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 113701	1.5	14
1166	Pressure-Induced Superconductivity in Eu _{0.5} Ca _{0.5} Fe ₂ As ₂ : Wide Zero-Resistivity Region Due to Suppression of Eu Magnetic Order and Chemical Pressure. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 073704	1.5	8
1165	Trapped Phonons Improve Photon Detection. 2010 , 3,		9
1164	Iron pnictides of HTSC. 2010 , 111, 313-331		11
1163	Spin density wave in oxypnictide superconductors in a three-band model. <i>European Physical Journal B</i> , 2010 , 75, 205-208	1.2	3
1162	Electronic structure calculations with the Tran-Blaha modified Becke-Johnson density functional. <i>Physical Review B</i> , 2010 , 82,	3.3	261

1161	Local atomic structure of superconducting FeSe _{1-x} Te _x . <i>Physical Review B</i> , 2010 , 81,	3-3	72
1160	Fermi surface topology effect on interlayer magnetoresistance with in-plane magnetic field in layered multiband system: Application to FeAs-based superconductors. 2010 , 470, 95-97		
1159	Superconductivity in ternary iron pnictides: AFe ₂ As ₂ (A = alkali metal) and LiFeAs. 2010 , 470, S276-S279		25
1158	Superconductivity in phosphorus-doped SmFeAs _{1-x} P _x O. 2010 , 470, S493-S494		9
1157	Orbitally induced spin-charge modulation and pseudogap formation in the high-T _c superconductors. 2010 , 470, S165-S167		
1156	Spin excitations in iron oxypnictide superconductor system. 2010 , 470, S284-S287		4
1155	Spin-lattice coupling in iron-pnictide superconductors. 2010 , 470, S294-S295		14
1154	Small jump of specific heat and small gap in iron pnictide superconductors. 2010 , 470, S368-S369		1
1153	Frequency behavior of the AC magnetic response in bulk and powders. 2010 , 470, 929-931		3
1152	Reprint of: Fermi surface topology effect on interlayer magnetoresistance with in-plane magnetic field in layered multiband system: Application to FeAs-based superconductors. 2010 , 470, S302-S304		
1151	Magnetic and electronic structure in new iron-based layered SrFe _{1-x} Co _x AsF systems. 2010 , 374, 984-988		1
1150	The a.c. susceptibility third harmonic component of NdO _{1-x} F _{0.14} FeAs: A flux dynamic magnetic analysis. 2010 , 71, 1046-1052		12
1149	Structural and superconducting properties of LaFeAs _{1-x} Sb _x O _{1-y} F _y . 2010 , 53, 1225-1229		11
1148	Magnetic properties of cobalt-based oxypnictide SmCoAsO. 2010 , 53, 1194-1198		3
1147	Cobalt-doping effects in single crystalline and polycrystalline EuFe _{2-x} Co _x As ₂ compounds. 2010 , 53, 1212-1215		5
1146	Low temperature properties of pnictide CrAs single crystal. 2010 , 53, 1207-1211		20
1145	Effect of annealing on superconductivity in Fe _{1+y} (Te _{1-x} S _x) system. 2010 , 53, 1216-1220		4
1144	Superconducting properties of 111-type LiFeAs iron arsenide single crystals. 2010 , 53, 1199-1201		5

1143	Electronic structures of ternary iron arsenides AFe ₂ As ₂ (A = Ba, Ca, or Sr). 2010 , 5, 150-160		60
1142	Low-energy Ce spin excitations in CeFeAsO and CeFeAsO _{0.84} F _{0.16} . 2010 , 5, 161-165		4
1141	Progress and prospect on the research of new iron-based high-T _c superconductors. 2010 , 5, 147-149		3
1140	Generalizing the Cooper-pair instability to doped Mott insulators. 2010 , 5, 171-175		5
1139	Superconductivity at 31 K in Yb-doped La(O/F)FeAs superconductors. 2010 , 122, 43-46		3
1138	Superconductivity Without Relation to Valence Electrons in (Fe, Zn) Doped YBCO Systems. 2010 , 160, 49-57		3
1137	Low Energy Electronic Structures in Electron-Doped and Hole-Doped Superconducting (Ba/K)(Fe/Co) ₂ As ₂ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 617-619	1.5	1
1136	Probing the Superconducting Gap from Tunneling Conductance on NdFeAsO _{0.7} with T _C =51 K. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 575-578	1.5	10
1135	Effects of Substituting Se with Te in the FeSe Compound: Structural, Magnetization and Mössbauer Studies. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 551-557	1.5	26
1134	Occurrence of Superconductivity and Magnetism in Nominally Undoped LaOFeAs. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 1461-1466	1.5	1
1133	Synthesis of LaRhAsO and superconductivity within the LaFe _{1-x} Rh _x AsO system. 2010 , 45, 392-395		15
1132	Electronic structure of BaFe ₂ As ₂ as obtained from DFT/ASW first-principles calculations. 2010 , 522, 594-600		2
1131	Frustration and order driven by Hund's rule coupling in antiferromagnets. 2010 , 3, 1447-1451		
1130	Critical properties of superconducting Ba _{1-x} K _x Fe ₂ As ₂ . 2010 , 470, 8-11		7
1129	Magnetic structure and phonon spectra of iron-based superconductors: A first-principle study. 2010 , 470, S430-S432		1
1128	Superconductivity around quantum critical point in P-doped iron arsenides. 2010 , 470, S458-S459		5
1127	Pseudogap and superconductivity in iron-pnictides. 2010 , 470, S344-S346		
1126	A systematic study of relationship between the FeAs network and electronic structures of SrFe ₂ As ₂ . 2010 , 470, S336-S337		1

1125	Unconventional superconductivity originating from disconnected Fermi surfaces in iron pnictides. 2010 , 470, S267-S272	2
1124	Microwave quasiparticle conductivity of LaFePO single crystals. 2010 , 470, S433-S434	
1123	Extended phase diagram in LaFe _{1-x} Li _x AsO. 2010 , 470, S456-S457	4
1122	Unconventional superconductivity originating from disconnected Fermi surfaces in correlated superconductors : A case study for iron pnictides. 2010 , 470, 996-1001	1
1121	First-principles calculations for anisotropy of iron-based superconductors. 2010 , 470, 1066-1069	2
1120	Theoretical investigation of the superconducting gaps in the Fe-based superconductors. 2010 , 470, 2057-2060	
1119	Elastic properties of mono- and poly-crystalline PbO-type FeSe _{1-x} Tex (x=0-1.0): A first-principles study. 2010 , 470, 2072-2075	23
1118	Potential parent compound of superconductor: Sr ₂ CuM ₂ As ₂ O ₂ (M=Mn, Fe). 2010 , 374, 4727-4731	4
1117	Antiferromagnetic stripe ordering at the tetragonal-orthorhombic transition in LnOFeAs probed by X-ray absorption spectroscopy. 2010 , 71, 1118-1122	2
1116	Impurities in FeAs-based superconductor, SrFe ₂ As ₂ , studied by first-principles calculations. 2010 , 173, 244-247	4
1115	Electronic structures of MnP-based crystals: LaMnOP, BaMn ₂ P ₂ , and KMnP. 2010 , 173, 239-243	6
1114	Low-temperature fabrication of superconducting FeSe thin films by pulsed laser deposition. 2010 , 519, 1540-1545	32
1113	Is the nature of magnetic order in copper-oxides and in iron-pnictides different?. 2010 , 150, 62-65	7
1112	Evolution of the hyperfine parameters of Fe in superconducting LiFeAs as observed by ⁵⁷ Fe Mössbauer spectroscopy. 2010 , 150, 1525-1528	7
1111	Kohler's rule in Ba _{1-x} K _x Fe ₂ As ₂ . 2010 , 150, 1940-1943	6
1110	Density functional calculations of the electronic structure and magnetism of the different phases of . 2010 , 498, 281-286	
1109	High resolution angle-resolved photoemission spectroscopy on Cu-based and Fe-based high-T _c superconductors. 2010 , 207, 2674-2692	7
1108	Different nature of instabilities in BaFe ₂ As ₂ and BaNi ₂ As ₂ as revealed by optical spectroscopy. 2010 , 247, 495-499	8

1107	Coexistence of superconductivity and magnetism by chemical design. 2010 , 2, 1031-6		129
1106	From $(\pi,0)$ magnetic order to superconductivity with (π,π) magnetic resonance in $\text{Fe}(1.02)\text{Te}(1-x)\text{Se}(x)$. 2010 , 9, 716-20		224
1105	Evolution of spin excitations into the superconducting state in $\text{FeTe}_{1-x}\text{Se}_x$. 2010 , 6, 182-186		142
1104	Integer and half-integer flux-quantum transitions in a niobium-iron pnictide loop. 2010 , 6, 260-264		120
1103	High-temperature superconductivity in iron-based materials. 2010 , 6, 645-658		1137
1102	Lattice Instability in High Temperature Superconducting Cuprates and FeAs Systems: Polarons Probed by EXAFS. 2010 , 2010, 1-10		3
1101	Electronic and Lattice Dynamical Properties of the Iron-Based Superconductors LiFeAs and NaFeAs . 2010 , 2010, 1-6		31
1100	Spin-Lattice Coupling and Superconductivity in Fe Pnictides. 2010 , 2010, 1-7		27
1099	The Phenomenology of Iron Pnictides Superconductors Explained in the Framework of d -Wave Three-Band Eliashberg Theory. 2010 , 2010, 1-6		2
1098	Degradation of Superconductivity and Spin Fluctuations by Electron Overdoping in $\text{LaFeAsO}_{1-x}\text{F}_x$. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 074715	1.5	50
1097	Sizable Residual Quasiparticle Density of States Induced by Impurity Scattering Effect in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ Single Crystals. 2010 , 27, 037402		33
1096	Coexistence between superconducting and spin density wave states in iron-based superconductors: Ginzburg-Landau analysis. 2010 , 23, 054011		28
1095	On the possibility of a new multiband heterostructure at the atomic limit made of alternate CuO_2 and FeAs superconducting layers. 2010 , 23, 052003		27
1094	Metallic ferromagnetism in the Kondo lattice. 2010 , 107, 15704-7		35
1093	Electronic and magnetic phase diagram of superconductors, $\text{SmFeAsO}_{1-x}\text{F}_x$. 2010 , 12, 033005		74
1092	Investigation of the Spin-Glass Regime between the Antiferromagnetic and Superconducting Phases in $\text{Fe}_{1+y}\text{Se}_x\text{Te}_{1-x}$. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 113702	1.5	87
1091	Observation of lateral long range order in superconducting FeTe thin films. <i>Chinese Physics B</i> , 2010 , 19, 087403	1.2	1
1090	Pressure Studies for 1111 and 11 Type Iron-based Superconductors. 2010 , 1254, 202		

1089	Nd-induced Mn spin-reorientation transition in NdMnAsO. <i>Physical Review B</i> , 2010 , 82,	3-3	42
1088	Effects of spin structures on phonons in BaFe ₂ As ₂ . 2010 , 97, 022504		3
1087	Magnetic fluctuation and frustration in new iron-based layered SrFe _{1-x} CoxAsF superconductors. 2010 , 107, 123906		8
1086	Synthesis, anisotropy, and superconducting properties of LiFeAs single crystal. 2010 , 96, 212508		59
1085	Theoretical specific heat from spin wave in comparison with experimental results in Fe-oxide superconductors. 2010 , 36, 618-622		
1084	Coexistence of pairing tendencies and ferromagnetism in a doped two-orbital Hubbard model on two-leg ladders. <i>Physical Review B</i> , 2010 , 81,	3-3	5
1083	Phase transitions and iron-ordered moment form factor in LaFeAsO. <i>Physical Review B</i> , 2010 , 82,	3-3	32
1082	Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor BaFe _{2-x} NixAs ₂ . <i>Physical Review B</i> , 2010 , 81,	3-3	69
1081	Tight-binding Hamiltonian for LaOFeAs. <i>Physical Review B</i> , 2010 , 82,	3-3	6
1080	Electron-hole asymmetry in Co- and Mn-doped SrFe ₂ As ₂ . <i>Physical Review B</i> , 2010 , 82,	3-3	35
1079	Magnetic and superconducting transitions in Ba _{1-x} KxFe ₂ As ₂ studied by specific heat. <i>Physical Review B</i> , 2010 , 81,	3-3	33
1078	Electronic structure of CsFe ₂ Sb ₂ and its alloy with cobalt: A magnetic compound related to the iron superconductors. <i>Physical Review B</i> , 2010 , 81,	3-3	2
1077	Universal magnetic and structural behaviors in the iron arsenides. <i>Physical Review B</i> , 2010 , 81,	3-3	30
1076	Orbital-weight redistribution triggered by spin order in the pnictides. <i>Physical Review B</i> , 2010 , 81,	3-3	50
1075	Magnetization distribution in the tetragonal phase of BaFe ₂ As ₂ . <i>Physical Review B</i> , 2010 , 82,	3-3	7
1074	Electronic phase diagram of NdFe _{1-x} RhxAsO. <i>Physical Review B</i> , 2010 , 81,	3-3	13
1073	Self-doping effect and successive magnetic transitions in superconducting Sr ₂ VFeAsO ₃ . <i>Physical Review B</i> , 2010 , 82,	3-3	41
1072	Suppression of magnetism in SrFe _{2-x} RuxAs ₂ : First-principles calculations. <i>Physical Review B</i> , 2010 , 81,	3-3	9

1071	Magnetic excitations in ferropnictide materials controlled by a quantum critical point into hidden order. <i>Physical Review B</i> , 2010 , 82,	3-3	8
1070	Structural and physical properties of $\text{SmFe}_{1-x}\text{Ir}_x\text{AsO}$ ($0 \leq x \leq 0.275$) obtained by synchrotron x-ray diffraction, Raman spectroscopy, and magnetization measurements. <i>Physical Review B</i> , 2010 , 82,	3-3	6
1069	Constraints imposed by symmetry on pairing operators for the iron pnictides. <i>Physical Review B</i> , 2010 , 81,	3-3	5
1068	Neutron diffraction study of phase transitions and thermal expansion of SrFeAsF . <i>Physical Review B</i> , 2010 , 81,	3-3	18
1067	Pressure dependence of the superconductor transition temperature of $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)\text{AsF}$ compounds: A comparison with the effect of pressure on $\text{LaFeAsO}_{1-x}\text{F}_x$. <i>Physical Review B</i> , 2010 , 81,	3-3	31
1066	Electrodynamics of electron-doped iron pnictide superconductors: Normal-state properties. <i>Physical Review B</i> , 2010 , 82,	3-3	87
1065	Interplay of magnetic and structural transitions in iron-based pnictide superconductors. <i>Physical Review B</i> , 2010 , 82,	3-3	91
1064	Fermi-liquid, non-Fermi-liquid, and Mott phases in iron pnictides and cuprates. <i>Physical Review B</i> , 2010 , 81,	3-3	101
1063	Coupling between the structural and magnetic transition in CeFeAsO . <i>Physical Review B</i> , 2010 , 81,	3-3	42
1062	Local moments and symmetry breaking in metallic PrMnSbO . <i>Physical Review B</i> , 2010 , 82,	3-3	25
1061	Lattice distortion and magnetic quantum phase transition in $\text{CeFeAs}_{1-x}\text{P}_x\text{O}$. <i>Physical Review Letters</i> , 2010 , 104, 017204	7-4	57
1060	Coexistence and competition of magnetism and superconductivity on the nanometer scale in underdoped $\text{BaFe}_{1.89}\text{Co}_{0.11}\text{As}_2$. <i>Physical Review Letters</i> , 2010 , 105, 057001	7-4	60
1059	Temperature-dependent local structure of $\text{LaFeAsO}_{1-x}\text{F}_x$: Probing the atomic correlations. 2010 , 108, 123715		11
1058	Magnetic fluctuations and superconductivity in $\text{LaFeAsO}_{1-x}\text{F}_x$ under pressure as seen via $A_{75}\text{s}$ NMR. <i>Physical Review B</i> , 2010 , 82,	3-3	13
1057	Ultrafast pump-probe study of phase separation and competing orders in the underdoped $(\text{Ba,K})\text{Fe}_2\text{As}_2$ superconductor. <i>Physical Review Letters</i> , 2010 , 104, 027003	7-4	81
1056	Electron correlation and spin density wave order in iron pnictides. <i>Physical Review Letters</i> , 2010 , 105, 096401	7-4	31
1055	Magnetic phase transitions in NdCoAsO . <i>Physical Review B</i> , 2010 , 81,	3-3	42
1054	Competing ferromagnetism and superconductivity on FeAs layers in $\text{EuFe}_2(\text{As}_{0.73}\text{P}_{0.27})_2$. <i>Physical Review Letters</i> , 2010 , 105, 207003	7-4	25

1053	Phenomenological theory of the anomalous normal-state transport properties of iron pnictides. <i>Physical Review B</i> , 2010 , 81,	3-3	9
1052	Magnetic degeneracy and hidden metallicity of the spin-density-wave state in ferropnictides. <i>Physical Review B</i> , 2010 , 81,	3-3	142
1051	Two types of s-wave pairing due to magnetic and orbital fluctuations in the two-dimensional 16-band $d\hat{d}\hat{p}$ model for iron-based superconductors. <i>Physical Review B</i> , 2010 , 81,	3-3	110
1050	Field-induced spin reorientation and giant spin-lattice coupling in EuFe_2As_2 . <i>Physical Review B</i> , 2010 , 81,	3-3	43
1049	Different response of the crystal structure to isoelectronic doping in $\text{BaFe}_2(\text{As}_{1-x}\text{Px})_2$ and $(\text{Ba}_{1-x}\text{Srx})\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2010 , 82,	3-3	63
1048	Interorbital pairing and its physical consequences for iron pnictide superconductors. <i>Physical Review B</i> , 2010 , 81,	3-3	15
1047	Orbital symmetry of $\text{Ba}(\text{Fe}_{1-x}\text{Cox})_2\text{As}_2$ superconductors probed with x-ray absorption spectroscopy. <i>Physical Review B</i> , 2010 , 81,	3-3	20
1046	Quantum chemical formulation of high- T_c superconductivity applied to FeSe . <i>Physical Review B</i> , 2010 , 82,	3-3	3
1045	Cooperative effects of Coulomb and electron-phonon interactions in the two-dimensional 16-band $d\hat{d}\hat{p}$ model for iron-based superconductors. <i>Physical Review B</i> , 2010 , 82,	3-3	22
1044	Optical properties of the iron arsenic superconductor $\text{BaFe}_{1.85}\text{Co}_{0.15}\text{As}_2$. <i>Physical Review B</i> , 2010 , 82,	3-3	72
1043	Temperature-pressure phase diagram of the superconducting iron pnictide LiFeP . <i>Physical Review B</i> , 2010 , 82,	3-3	19
1042	Disappearance of static magnetic order and evolution of spin fluctuations in $\text{Fe}_{1+x}\text{Te}_{1-x}$. <i>Physical Review B</i> , 2010 , 82,	3-3	50
1041	Collective spin mode in a multicomponent system of coupled itinerant and localized electrons. <i>Physical Review B</i> , 2010 , 81,	3-3	10
1040	Formation of partial energy gap below the structural phase transition and the rare-earth element-substitution effect on infrared phonons in ReFeAsO ($\text{Re}=\text{La}, \text{Nd}, \text{and Sm}$). <i>Physical Review B</i> , 2010 , 82,	3-3	24
1039	Unconventional metallic behavior and superconductivity in the K-Mo-O system. <i>Physical Review B</i> , 2010 , 81,	3-3	12
1038	Evidence for a full energy gap in the nickel pnictide superconductor $\text{LaNiAsO}_{1-x}\text{Fx}$ from A_{75s} nuclear quadrupole resonance. <i>Physical Review B</i> , 2010 , 81,	3-3	17
1037	Dual character of magnetism in EuFe_2As_2 : Optical spectroscopic and density-functional calculation study. <i>Physical Review B</i> , 2010 , 81,	3-3	40
1036	First-principles investigation of $\text{BaFe}_2\text{As}_2(001)$. <i>Physical Review B</i> , 2010 , 82,	3-3	7

1035	Theory of itinerant magnetic excitations in the spin-density-wave phase of iron-based superconductors. <i>Physical Review B</i> , 2010 , 81,	3-3	91
1034	Crystal and magnetic structure of the oxypnictide superconductor LaFeAsO _{1-x} Fx: A neutron-diffraction study. <i>Physical Review B</i> , 2010 , 82,	3-3	72
1033	Bridging charge-orbital ordering and Fermi surface instabilities in half-doped single-layered manganite La(0.5)Sr(1.5)MnO ₃ . <i>Physical Review Letters</i> , 2010 , 105, 147201	7-4	14
1032	Renormalization group flow, competing phases, and the structure of superconducting gap in multiband models of iron-based superconductors. <i>Physical Review B</i> , 2010 , 82,	3-3	71
1031	Fluctuation-driven first-order behavior near the T=0 two-dimensional stripe to Fermi liquid transition. <i>Physical Review B</i> , 2010 , 81,	3-3	17
1030	Neutron spin resonance as a probe of the superconducting energy gap of BaFe _{1.9} Ni _{0.1} As ₂ superconductors. <i>Physical Review B</i> , 2010 , 81,	3-3	32
1029	Spin and charge dynamics ruled by antiferromagnetic order in iron pnictide superconductors. <i>Physical Review B</i> , 2010 , 82,	3-3	53
1028	Electronic structure of CeFeAsO _{1-x} Fx (x=0, 0.11, and 0.12). <i>Physical Review B</i> , 2010 , 82,	3-3	26
1027	Crystal symmetry and magnetic order in iron pnictides: A tight-binding Wannier function analysis. <i>Physical Review B</i> , 2010 , 81,	3-3	18
1026	First-principles-based s'-wave modeling for iron-based superconductors: Specific heat and nuclear magnetic relaxation rate. <i>Physical Review B</i> , 2010 , 82,	3-3	1
1025	Thermal expansion of RFeAsO (R=La,Ce,Pr,Sm,Gd). <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012088,	3-3	9
1024	Advances in Structural Studies of Materials Using Scattering Probes. 2010 , 35, 520-530		2
1023	First-principles analysis of electron correlation, spin ordering and phonons in the normal state of FeSe 1-x. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 385701	1-8	14
1022	Synthesis and physical properties of FeSe _{1/2} Te _{1/2} superconductor. 2010 , 107, 09E128		30
1021	Effects of Co doping on the transport properties and superconductivity in CeFe(1-x)Co(x)AsO. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 115701	1-8	15
1020	Non-stoichiometry and the magnetic structure of Sr ₂ CrO ₃ FeAs. 2010 , 89, 37006		24
1019	Pressure-induced competition between superconductivity and Kondo effect in CeFeAsO 1-x F x (x=0.16 and 0.3). 2010 , 91, 57008		17
1018	Lattice anomalies in the FeAs 4 tetrahedra of the NdFeAsO 0.85 superconductor that disappear at T c. 2010 , 91, 57005		10

1017	Evidence for competing magnetic and superconducting phases in superconducting $\text{Eu}_{1-x}\text{Sr}_x\text{Fe}_{2-y}\text{Co}_y\text{As}_2$ single crystals. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 235701	1.8	16
1016	Magnetic flux penetration in polycrystalline $\text{SmFeO}_{0.75}\text{F}_{0.2}\text{As}$. 2010 , 107, 09E114		1
1015	Efficient charge carriers induced by extra outer-shell electrons in iron-pnictides: a comparison between Ni- and Co-doped CaFeAsF . 2010 , 12, 083050		5
1014	Anomalous He-gas high-pressure studies on superconducting $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$. 2010 , 12, 023005		5
1013	Temperature-dependent Raman study of a $\text{CeFeAsO}_{0.9}\text{F}_{0.1}$ superconductor: crystal field excitations, phonons and their coupling. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 255402	1.8	8
1012	Inconsistent pressure effect on superconducting transition temperature and volume in $\text{Fe}_{1+y}\text{Te}_{1-x}\text{S}_x$ single crystals. 2010 , 12, 063019		11
1011	A comparative study on the thermoelectric effect of parent oxypnictides LaTAsO ($T = \text{Fe, Ni}$). <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 072201	1.8	7
1010	Gutzwiller density functional studies of FeAs-based superconductors: structure optimization and evidence for a three-dimensional Fermi surface. <i>Physical Review Letters</i> , 2010 , 104, 047002	7.4	58
1009	Comparison of Ab initio Low-Energy Models for LaFePO , LaFeAsO , BaFe_2As_2 , LiFeAs , FeSe , and FeTe : Electron Correlation and Covalency. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 044705	1.5	252
1008	Itinerant nature of magnetism in iron pnictides: A first-principles study. <i>Physical Review B</i> , 2010 , 81,	3.3	31
1007	Phase separation and suppression of the structural and magnetic transitions in superconducting doped iron tellurides, $\text{Fe}_{(1+x)}\text{Te}_{(1-y)}\text{S}_y$. 2010 , 132, 13000-7		55
1006	Unusual electronic structure and observation of dispersion kink in CeFeAsO parent compound of FeAs-based superconductors. <i>Physical Review Letters</i> , 2010 , 105, 027001	7.4	24
1005	Superconductivity above 33 K in $(\text{Ca}_{1-x}\text{Na}_x)\text{FeAs}$. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 222203	1.8	29
1004	Enhancement of the critical temperature of the pnictide superconductor $\text{LaFeAsO}_{1-x}\text{F}_x$ studied via $A_{75}\text{s}$ NMR under pressure. <i>Physical Review B</i> , 2010 , 81,	3.3	33
1003	Stripe antiferromagnetic correlations in $\text{LaFeAsO}_{1-x}\text{F}_x$ probed by $A_{75}\text{s}$ NMR. <i>Physical Review B</i> , 2010 , 81,	3.3	45
1002	Low spin moment due to hidden multipole order from spin-orbital ordering in LaFeAsO . <i>Physical Review B</i> , 2010 , 81,	3.3	30
1001	Low magnetization and anisotropy in the antiferromagnetic state of undoped iron pnictides. <i>Physical Review Letters</i> , 2010 , 104, 227201	7.4	64
1000	Pressure induced static magnetic order in superconducting FeSe_{1-x} . <i>Physical Review Letters</i> , 2010 , 104, 087003	7.4	149

999	Unified picture for magnetic correlations in iron-based superconductors. <i>Physical Review Letters</i> , 2010 , 105, 107004	7.4	140
998	Orbital order and spontaneous orthorhombicity in iron pnictides. <i>Physical Review B</i> , 2010 , 82,	3.3	178
997	Electron-lattice instabilities suppress cuprate-like electronic structures in SrFeO ₃ /SrTiO ₃ superlattices. <i>Physical Review B</i> , 2010 , 81,	3.3	20
996	Commensurate antiferromagnetic ordering in Ba(Fe _{1-x} Cox) ₂ As ₂ determined by x-ray resonant magnetic scattering at the Fe K edge. <i>Physical Review B</i> , 2010 , 82,	3.3	18
995	Spin-density wave and asymmetry of coherence peaks in iron pnictide superconductors from a two-orbital model. <i>Physical Review B</i> , 2010 , 81,	3.3	28
994	Electronic structure, localization, and spin-state transition in Cu-substituted FeSe:Fe _{1-x} CuxSe. <i>Physical Review B</i> , 2010 , 81,	3.3	38
993	Highly Two-dimensional Electronic Structure and Strong Fermi-Surface Nesting of the Iron-Based Superconductor Sr ₂ ScFePO ₃ : A First-Principles Study. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 013705	1.5	7
992	Uniaxial-strain mechanical detwinning of CaFe ₂ As ₂ and BaFe ₂ As ₂ crystals: Optical and transport study. <i>Physical Review B</i> , 2010 , 81,	3.3	231
991	Selective Substitution of Cr in CaFe ₄ As ₃ and Its Effect on the Spin Density Wave. 2010 , 22, 4996-5002		9
990	Low-temperature nuclear and magnetic structures of La ₂ O ₂ Fe ₂ OSe ₂ from x-ray and neutron diffraction measurements. <i>Physical Review B</i> , 2010 , 81,	3.3	47
989	Surface and bulk electronic structures of LaFeAsO studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2010 , 82,	3.3	35
988	Indifference of Superconductivity and Magnetism to Size-Mismatched Cations in the Layered Iron Arsenides Ba _{1-x} NaxFe ₂ As ₂ . 2010 , 22, 4304-4311		33
987	Unexpected Fermi-surface nesting in the pnictide parent compounds BaFe ₂ As ₂ and CaFe ₂ As ₂ revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2010 , 81,	3.3	73
986	Accurate projected augmented wave datasets for BaFe ₂ As ₂ . 2010 , 12, 123029		2
985	Materials Chemistry of BaFe ₂ As ₂ : A Model Platform for Unconventional Superconductivity. 2010 , 22, 715-723		68
984	Three orbital model for the iron-based superconductors. <i>Physical Review B</i> , 2010 , 81,	3.3	158
983	First-principles study of the magnetic, structural and electronic properties of LiFeAs. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 046006	1.8	9
982	High upper critical fields and evidence of weak-link behavior in superconducting LaFeAsO _{1-x} F _x thin films. <i>Physical Review Letters</i> , 2010 , 104, 077001	7.4	68

981	Effects of excess Fe on upper critical field and magnetotransport in $\text{Fe}_{1+y}(\text{Te}_{1-x}\text{S}_x)_z$. <i>Physical Review B</i> , 2010 , 81,	3-3	35
980	The puzzle of high temperature superconductivity in layered iron pnictides and chalcogenides. 2010 , 59, 803-1061		1404
979	Electrical transport properties of F-doped LaFeAsO oxypnictide. 2010 , 508, 606-609		9
978	Electronic Structure Calculation by First Principles for Strongly Correlated Electron Systems. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 112001	1-5	93
977	Surface structures of ternary iron arsenides AFe_2As_2 (A=Ba, Sr, or Ca). <i>Physical Review B</i> , 2010 , 81,	3-3	29
976	Quantum criticality and nodal superconductivity in the FeAs-based superconductor KFe_2As_2 . <i>Physical Review Letters</i> , 2010 , 104, 087005	7-4	205
975	Magnetism in Fe-based superconductors. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 203203	1-8	264
974	Doping-driven structural phase transition and loss of superconductivity in $\text{MxFe}_{1-x}\text{Se}$ (M=Mn, Cu). <i>Physical Review B</i> , 2010 , 82,	3-3	47
973	Local antiferromagnetic correlations in the iron pnictide superconductors $\text{LaFeAsO}_{1-x}\text{F}_x$ and $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ as seen via normal-state susceptibility. <i>Physical Review B</i> , 2010 , 81,	3-3	95
972	Transport, magnetic, and ^{57}Fe and ^{155}Gd Mössbauer spectroscopic properties of GdFeAsO and the slightly overdoped superconductor $\text{Gd}_{0.84}\text{Th}_{0.16}\text{FeAsO}$. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 145701	1-8	12
971	Magnetic properties and electronic structure of $\text{LaFeAsO}_{0.85}\text{F}_{0.1}$. 2010 , 36, 230-235		4
970	Orbital ordering and unfrustrated (D) magnetism from degenerate double exchange in the iron pnictides. <i>Physical Review B</i> , 2010 , 82,	3-3	168
969	In-plane resistivity anisotropy in an underdoped iron arsenide superconductor. 2010 , 329, 824-6		596
968	Electronic-structure-driven magnetic and structure transitions in superconducting NaFeAs single crystals measured by angle-resolved photoemission spectroscopy. <i>Physical Review Letters</i> , 2010 , 105, 117002	7-4	69
967	Local quasiparticle density of states of superconducting $\text{SmFeAsO}_{(1-x)}\text{F}_x$ single crystals: evidence for spin-mediated pairing. <i>Physical Review Letters</i> , 2010 , 105, 167005	7-4	30
966	Structure and Physical Properties of the Layered Pnictide-Oxides: $(\text{SrF})_2\text{Ti}_2\text{Pn}_2\text{O}$ (Pn = As, Sb) and $(\text{SmO})_2\text{Ti}_2\text{Sb}_2\text{O}$. 2010 , 22, 1503-1508		46
965	Structural trends from a consistent set of single-crystal data of RFeAsO (R=La, Ce, Pr, Nd, Sm, Gd, and Tb). <i>Physical Review B</i> , 2010 , 82,	3-3	35
964	Spin waves in $\text{J}_1\text{-J}_2$ orthorhombic square-lattice Heisenberg models: Application to iron pnictide materials. <i>Physical Review B</i> , 2010 , 81,	3-3	32

963	An overview on iron based superconductors. 2010 , 23, 073001		110
962	Interplay of Fe and Nd magnetism in NdFeAsO single crystals. <i>Physical Review B</i> , 2010 , 82,	3-3	46
961	The crystal structure of superconducting FeSe _{1-x} Te _x by pulsed neutron diffraction. <i>Journal of Physics: Conference Series</i> , 2010 , 251, 012009	0-3	13
960	Incommensurate spin-density wave and magnetic lock-in transition in CaFe ₄ As ₃ . <i>Physical Review B</i> , 2010 , 81,	3-3	17
959	Giant magnetoresistance in oxypnictides (La,Nd)OMnAs. 2010 , 46, 6777-9		37
958	Iodine as an oxidant in the topotactic deintercalation of interstitial iron in Fe(1+x)Te. 2010 , 132, 10006-8		46
957	Topotactic Redox Chemistry of NaFeAs in Water and Air and Superconducting Behavior with Stoichiometry Change. 2010 , 22, 3916-3925		26
956	Strong correlations and spin-density-wave phase induced by a massive spectral weight redistribution in δ -Fe _{1.06} Te. <i>Physical Review B</i> , 2010 , 82,	3-3	44
955	Analysis of spin-density wave conductivity spectra of iron pnictides in the framework of density functional theory. <i>Physical Review B</i> , 2010 , 82,	3-3	25
954	Stability of quantum critical points in the presence of competing orders. <i>Physical Review B</i> , 2010 , 82,	3-3	36
953	Possible magnetic order and suppression of superconductivity by V doping in Sr ₂ VO ₃ FeAs. <i>Physical Review B</i> , 2010 , 82,	3-3	21
952	Disorder-driven electronic localization and phase separation in superconducting Fe _{1+y} Te _{0.5} Se _{0.5} single crystals. <i>Physical Review B</i> , 2010 , 82,	3-3	30
951	Pressure effect on iron-based superconductors Ca(Fe _{1-x} Cox)AsF. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012151	0-3	3
950	Raman evidence for the superconducting gap and spin-phonon coupling in the superconductor Ca(Fe _{0.95} Co _{0.05}) ₂ As ₂ . <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 255403	1-8	8
949	X-Ray spectra and electronic correlations of FeSe(1-x)Te(x). 2011 , 13, 15666-72		20
948	. 2011 , 21, 2849-2852		6
947	Dimensional crossover in the quasi-two-dimensional Ising-O(3) model. <i>Physical Review B</i> , 2011 , 84,	3-3	36
946	Antiferromagnetic order in multiband Hubbard models for iron pnictides. <i>Physical Review Letters</i> , 2011 , 106, 146402	7-4	17

945	Quasiparticle states around a nonmagnetic impurity in electron-doped iron-based superconductors with spin-density-wave order. <i>Physical Review B</i> , 2011 , 83,	3.3	24
944	Fermi surface dichotomy of the superconducting gap and pseudogap in underdoped pnictides. <i>Nature Communications</i> , 2011 , 2, 394	17.4	63
943	Nonequilibrium quasiparticle relaxation dynamics in single crystals of hole- and electron-doped BaFe ₂ As ₂ . <i>Physical Review B</i> , 2011 , 84,	3.3	23
942	Mott transition in multiorbital models for iron pnictides. <i>Physical Review B</i> , 2011 , 84,	3.3	57
941	Absence of superconductivity in LiCu ₂ P ₂ . 2011 , 133, 1751-3		8
940	Three-dimensional generalization of the J ₁ -J ₂ Heisenberg model on a square lattice and role of the interlayer coupling J _c . <i>Physical Review B</i> , 2011 , 83,	3.3	24
939	Spin-wave energy dispersion of a frustrated spin- $\frac{1}{2}$ Heisenberg antiferromagnet on a stacked square lattice. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 116004	1.8	7
938	Systematic growth of BaFe ₂ δ -Ni _x As ₂ large crystals. 2011 , 24, 065004		48
937	Block spin ground state and three-dimensionality of (K,Tl)(y)Fe(1.6)Se ₂ . <i>Physical Review Letters</i> , 2011 , 107, 056401	7.4	65
936	Magnetic-crystallographic phase diagram of the superconducting parent compound Fe _{1+x} Te. <i>Physical Review B</i> , 2011 , 84,	3.3	101
935	Microscopic coexistence of superconductivity and magnetism in Ba(1-x)K(x)Fe ₂ As ₂ . <i>Physical Review Letters</i> , 2011 , 107, 237001	7.4	89
934	Magnetic and superconducting instabilities in a hybrid model of itinerant/localized electrons for iron pnictides. <i>Physical Review B</i> , 2011 , 84,	3.3	31
933	Spin waves and magnetic exchange interactions in insulating Rb(0.89)Fe(1.58)Se(2). <i>Nature Communications</i> , 2011 , 2, 580	17.4	76
932	Theory of high-T _c superconductivity: transition temperature. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 295701	1.8	18
931	⁷⁷ Se NMR study of the pairing symmetry and the spin dynamics in K(y)Fe(2-x)Se ₂ . <i>Physical Review Letters</i> , 2011 , 106, 197001	7.4	59
930	Giant increase in critical current density of K _x Fe ₂ δ Se ₂ single crystals. <i>Physical Review B</i> , 2011 , 84,	3.3	33
929	Ferro-orbital order induced by electron-lattice coupling in orthorhombic iron pnictides. <i>Physical Review B</i> , 2011 , 84,	3.3	14
928	Recent Developments (After 2000). 2011 , 4, 217-234		

927	Synthesis, Structure and Properties of Several New Oxychalcogenide Materials with the General Formula $A_2O_2M_2OSe_2$ ($A = La, Sm, M = Fe, Mn$). 2011 , 23, 1625-1635		31
926	Spin-density-wave transition of Fe1 zigzag chains and metamagnetic transition of Fe2 in $TaFe_{1+y}Te_3$. <i>Physical Review B</i> , 2011 , 84,	3-3	7
925	Electronic structure of optimally doped pnictide $Ba_{0.6}K_{0.4}Fe_2As_2$: a comprehensive angle-resolved photoemission spectroscopy investigation. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 135701	1.8	76
924	Structure-property relationships of iron arsenide superconductors. 2011 , 21, 13726		74
923	Magnetic field effect on static antiferromagnetic order and spin excitations in the underdoped iron arsenide superconductor $BaFe_{1.92}Ni_{0.08}As_2$. <i>Physical Review B</i> , 2011 , 83,	3-3	28
922	Field-induced quantum fluctuations in the heavy fermion superconductor $CeCu(2)Ge(2)$. 2011 , 1, 117		23
921	Electronic structures and magnetic order of ordered-Fe-vacancy ternary iron selenides $TlFe_{1.5}Se_2$ and $AFe_{1.5}Se_2$ ($A = K, Rb, \text{ or } Cs$). <i>Physical Review Letters</i> , 2011 , 106, 087005	7.4	82
920	Nematic spin fluid in the tetragonal phase of $BaFe_2As_2$. <i>Physical Review B</i> , 2011 , 84,	3-3	172
919	Self-consistent spin-wave theory for a frustrated Heisenberg model with biquadratic exchange in the columnar phase and its application to iron pnictides. <i>Physical Review B</i> , 2011 , 84,	3-3	40
918	First-principles calculation of transition-metal impurities in $LaFeAsO$. <i>Physical Review B</i> , 2011 , 83,	3-3	75
917	Structural chemistry of superconducting pnictides and pnictide oxides with layered structures. 2011 , 226,		78
916	Importance of electronic correlations for structural and magnetic properties of the iron pnictide superconductor $LaFeAsO$. <i>Physical Review B</i> , 2011 , 84,	3-3	102
915	Structure, Magnetism, and Superconductivity of the Layered Iron Arsenides $Sr_{1-x}Na_xFe_2As_2$. 2011 , 23, 1009-1016		22
914	Revealing the dual nature of magnetism in iron pnictides and iron chalcogenides using x-ray emission spectroscopy. <i>Physical Review B</i> , 2011 , 84,	3-3	95
913	Interplay between magnetism and superconductivity in iron-chalcogenide superconductors: crystal growth and characterizations. 2011 , 74, 124503		86
912	Coexistence of magnetic fluctuations and superconductivity in $SmFe_{0.95}Co_{0.05}AsO$ seen in ^{57}Fe Mössbauer spectroscopy. <i>Physical Review B</i> , 2011 , 84,	3-3	10
911	Nodeless superconductivity of single-crystalline $K_xFe_2As_2$ revealed by the low-temperature specific heat. <i>Physical Review B</i> , 2011 , 83,	3-3	45
910	Magnetic behavior of $Fe(Se,Te)$ systems: First-principles calculations. 2011 , 110, 043917		23

909	Fe-based superconductivity with $T_c = 31$ K bordering an antiferromagnetic insulator in $(\text{Ti,K})\text{Fe}_x\text{Se}_2$. 2011 , 94, 27009		352
908	Magnetic phase diagram of a spatially anisotropic, frustrated spin- $\frac{1}{2}$ Heisenberg antiferromagnet on a stacked square lattice. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 046001	1.8	13
907	Materials and Novel Superconductivity in Iron Pnictide Superconductors. 2011 , 2, 121-140		141
906	Magnetoelastic effects in iron telluride. <i>Physical Review B</i> , 2011 , 83,	3.3	22
905	Critical current scaling and anisotropy in oxypnictide superconductors. <i>Physical Review Letters</i> , 2011 , 106, 137001	7.4	56
904	Magnetic characterization of polycrystalline $\text{NdFeAsO}_{0.88}\text{F}_{0.12}$ oxypnictide superconductor. 2011 , 509, 1424-1429		7
903	Proximity of iron pnictide superconductors to a quantum tricritical point. <i>Nature Communications</i> , 2011 , 2, 398	17.4	67
902	Preparation and Superconducting Properties of F-doped $\text{SmO}_{1-x}\text{F}_x\text{FeAs}$. 2011 , 27, 227-232		5
901	First-order structural transition in the magnetically ordered phase of $\text{Fe}_{1.13}\text{Te}$. <i>Physical Review B</i> , 2011 , 84,	3.3	47
900	High-temperature resistivity in the iron pnictides and the electron-doped cuprates. <i>Physical Review B</i> , 2011 , 83,	3.3	21
899	Superconductivity at 32 K in single-crystalline $\text{Rb}_x\text{Fe}_2\text{As}_2\text{Se}_2$. <i>Physical Review B</i> , 2011 , 83,	3.3	272
898	Magnetic states of $\text{BaFe}_2\text{As}_2\text{Co}_x$ single crystals: Magnetization and electron spin resonance study. 2011 , 109, 07E124		4
897	Multiple magnetic transitions in SmCoAsO . 2011 , 1, 042134		5
896	Correlation Effects on Antiferromagnetism in Fe Pnictides. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, SA121	1.5	8
895	Dimensional crossover in the quasi-two-dimensional Ising- $\text{O}(3)$ model. <i>Journal of Physics: Conference Series</i> , 2011 , 320, 012023	0.3	
894	Theoretical Models for Magnetic Properties of Iron Pnictides Part I: Spin Formalism. 2011 , 35, 29-43		2
893	Uniform chemical pressure effect in solid solutions $\text{Ba}_{1-x}\text{Sr}_x\text{Fe}_2\text{As}_2$ and $\text{Sr}_{1-x}\text{Ca}_x\text{Fe}_2\text{As}_2$. <i>Journal of Physics: Conference Series</i> , 2011 , 273, 012104	0.3	8
892	Anisotropic structural and magnetic properties of the field-aligned superconducting system $\text{SmFeAsO}_{1-x}\text{F}_x$ ($x = 0, 0.1, 0.2, 0.25$ and 0.3). <i>Journal of Physics: Conference Series</i> , 2011 , 273, 012109	0.3	

891	Scandium, Yttrium and the Lanthanides: Applications. 2011 ,		
890	Structural and magnetic properties of the layered manganese oxichalcogenides (LaO) ₂ Mn ₂ Se ₂ O and (BaF) ₂ Mn ₂ Se ₂ O. <i>Physical Review B</i> , 2011 , 83,	3-3	15
889	Orbital ordering in Mott-insulators La ₂ O ₃ Fe ₂ Se ₂ and La ₂ O ₃ Co ₂ Se ₂ . 2011 , 151, 1231-1235		4
888	Low-magnetic moment and strong anisotropy in non-doped iron-based superconductors. 2011 , 471, 659-661		2
887	Ginzburg-Landau theory of multi-band superconductivity and applications to Fe pnictides. 2011 , 471, 675-678		3
886	Effects of the spin-orbit coupling on magnetic and superconducting properties in iron-based superconductors. 2011 , 471, 1602-1605		1
885	The stable CaBe ₂ Ge ₂ structures in antimonide compounds ATM ₂ Sb ₂ (A = Ca, Sr, Ba; TM = Fe, Co, Ni, Cu): A first-principles study. 2011 , 375, 4218-4224		6
884	Current issues of iron-based superconductors. 2011 , 11, S33-S41		1
883	Physical property characterization of single step synthesized NdFeAsO _{0.80} F _{0.20} bulk 50 K superconductor. <i>European Physical Journal B</i> , 2011 , 79, 139-146	1.2	22
882	Physical properties, crystal and magnetic structure of layered Fe _{1.11} Te _{1-x} Se _x superconductors. <i>European Physical Journal B</i> , 2011 , 82, 113-121	1.2	6
881	Quantum tricriticality in transverse Ising-like systems. <i>European Physical Journal B</i> , 2011 , 84, 371-379	1.2	4
880	Pairing, ferromagnetism, and condensation of a normal spin-1 Bose gas. 2011 , 84,		14
879	Coexistence of isotropic and extended s-wave order parameters in FeSe as revealed by low-temperature specific heat. <i>Physical Review B</i> , 2011 , 84,	3-3	96
878	Revised phase diagram for the FeTe _{1-x} Sex system with fewer excess Fe atoms. <i>Physical Review B</i> , 2011 , 84,	3-3	70
877	Superconductivity in iron compounds. 2011 , 83, 1589-1652		1137
876	Search for pressure-induced superconductivity in CeFeAsO and CeFePO iron pnictides. <i>Physical Review B</i> , 2011 , 83,	3-3	26
875	Pressure effects on two superconducting iron-based families. 2011 , 74, 124502		92
874	Competing energy scales in high-temperature superconductors: Ultrafast pump-probe studies. 2011 , 5, 1-9		6

873	Lattice Anomalies and HTSC in Pnictides and Cuprates Studied by XAS: Polaron Resonance as a Common Clue. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 89-95	1.5	3
872	EuFe ₂ As ₂ : Magnetic Structure and Local Charge Distribution Anisotropies as Seen by Resonant X-ray Scattering. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 705-709	1.5	4
871	Predictions of Multiband s ⁻ Strong-Coupling Eliashberg Theory Compared to Experimental Data in Iron Pnictides. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 247-253	1.5	15
870	Electronic Structure of BaFe ₂ As ₂ Co x As ₂ Revealed by Angle-Resolved Photoemission Spectroscopy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 1133-1136	1.5	3
869	Lattice Anomalies in the Oxygen Deficient NdFeAsO Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 1181-1184	1.5	
868	The Nodal SDW Gap and the Superconducting Gap in BaFe ₂ As ₂ Co x As ₂ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 1185-1189	1.5	2
867	The Structural Distortion in Antiferromagnetic LaFeAsO Investigated by a Group-Theoretical Approach. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 2103-2117	1.5	6
866	Chemical pressure effect in CeFeAs _{1-x} O _{0.95} F _{0.05} . 2011 , 72, 430-433		1
865	Charge and spin dynamics in antiferromagnetic metallic phase of iron-based superconductors. 2011 , 72, 315-318		1
864	The orbital characters and k _z dispersions of bands in iron-pnictide NaFeAs. 2011 , 72, 479-482		10
863	Properties of the multiorbital Hubbard models for the iron-based superconductors. 2011 , 6, 379-397		14
862	Structural, magnetic and electronic properties of the iron-chalcogenide A _x Fe ₂ As ₂ Se ₂ (A=K, Cs, Rb, and Tl, etc.) superconductors. 2011 , 6, 410-428		33
861	Magnetic excitation and thermodynamics of BaFe ₂ As ₂ . 2011 , 111, 3565-3570		5
860	Charge transfer effects on the Fermi surface of Ba _{0.5} K _{0.5} Fe ₂ As ₂ . 2011 , 523, 259-264		
859	On the multi-orbital band structure and itinerant magnetism of iron-based superconductors. 2011 , 523, 8-50		111
858	Anisotropic two-orbital Hubbard model: Single-site versus cluster Dynamical Mean-Field Theory. 2011 , 523, 689-697		2
857	Iron-Based Superconductors with Extended FeX ₄ (X = As and Se) Tetrahedra. 2011 , 2011, 3868-3876		6
856	Recovery of a parentlike state in Ba(1-x)K(x)Fe(1.86)Co(0.14)As ₂ . 2011 , 50, 7919-23		17

855	NMR studies on iron-pnictide superconductors: and. 2011 , 12, 515-531	2
854	Iron based oxypnictides: Structure and properties. 2011 , 372, 2-7	2
853	Anion height as a controlling parameter for the superconductivity in iron pnictides and cuprates. 2011 , 72, 307-314	15
852	Optical properties of the iron-chalcogenide superconductor FeTe _{0.55} Se _{0.45} . 2011 , 72, 505-510	10
851	As-NQR study of superconductivity in LaRAsO _{1-x} F _x (R=Fe and Ni). 2011 , 72, 497-500	
850	Influence of magnetic impurities on superconducting property of polycrystalline iron-based NdFeAsO _{0.88} F _{0.12} . 2011 , 72, 438-441	5
849	Magnetic and transport properties of SmCoAsO _{1-x} F _x . 2011 , 72, 453-456	
848	Pnicogen-bridged antiferromagnetic superexchange interactions in iron pnictides. 2011 , 72, 319-323	5
847	Suppression of T _c by Zn impurity in the electron-type LaFe _{0.925} Co _{0.075} ZnAsO system. 2011 , 72, 410-413	6
846	Resistivity scaling 1111 iron-pnictide superconductors. 2011 , 471, 509-514	5
845	Thermal conductivity tensor of single crystalline Co-doped BaFe ₂ As ₂ . 2011 , 43, 714-717	2
844	Effects of spin structures on Fermi surface topologies in BaFe ₂ As ₂ . 2011 , 151, 272-275	3
843	The stable structures of iron pnictides AFeAs (A = alkali and alkaline-earth metals): A first principles study. 2011 , 151, 446-450	6
842	First-order phase transitions in CaFeAs ₂ single crystal: a local probe study. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 145701	1.8 17
841	Anisotropic charge dynamics in detwinned Ba(Fe _{1-x} Co _x) ₂ As ₂ . 2011 , 93, 37002	113
840	Magneto-structural coupling and harmonic lattice dynamics in CaFe ₂ As ₂ probed by Mössbauer spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 255701	1.8 14
839	Coupling of magnetic moments with phonons and electron-phonon interaction in LaFeAsO _{1-x} F _x . 2011 , 94, 37001	13
838	Intrinsic percolative superconductivity in K _x Fe ₂ Se ₂ single crystals. 2011 , 96, 37010	57

837	Longitudinal excitations in quantum antiferromagnets. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 346003	1.8	5
836	Magnon-mediated pairing and isotope effect in iron-based superconductors. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 094203	1.8	5
835	Complete renormalization group calculation up to two-loop order of an effective two-band model for iron-based superconductors. 2011 , 96, 17006		4
834	Magnetic order in orbital models of the iron pnictides. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 246001	1.8	21
833	Anisotropic intrinsic spin Hall effect in quantum wires. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 465301	1.8	1
832	Electronic correlations in iron-pnictide superconductors and beyond: lessons learned from optics. 2011 , 13, 023011		25
831	Neutron scattering studies of spin excitations in hole-doped Ba(0.67)K(0.33)Fe(2)As(2) superconductor. 2011 , 1, 115		65
830	Measurement of a sign-changing two-gap superconducting phase in electron-doped Ba(Fe(1-x)Co(x)) ₂ As ₂ single crystals using scanning tunneling spectroscopy. <i>Physical Review Letters</i> , 2011 , 106, 087004	7.4	50
829	Magnetic phase diagram of an extended J ₁ -J ₂ model on a modulated square lattice and its implications for the antiferromagnetic phase of KyFexSe ₂ . <i>Physical Review B</i> , 2011 , 84,	3.3	25
828	Ternary iron selenide K _{0.8} Fe _{1.6} Se ₂ is an antiferromagnetic semiconductor. <i>Physical Review B</i> , 2011 , 83,	3.3	81
827	Unusual Nernst effect and spin density wave precursors in superconducting LaFeAsO _{1-x} F _x . <i>Physical Review B</i> , 2011 , 83,	3.3	18
826	Infrared spectrum and its implications for the electronic structure of the semiconducting iron selenide K _{0.83} Fe _{1.53} Se ₂ . <i>Physical Review B</i> , 2011 , 83,	3.3	43
825	Electronic structure and Mott localization of iron-deficient TlFe _{1.5} Se ₂ with superstructures. <i>Physical Review B</i> , 2011 , 83,	3.3	27
824	Small-q phonon-mediated unconventional superconductivity in the iron pnictides. <i>Physical Review B</i> , 2011 , 83,	3.3	19
823	Pressure dependence of the electronic structure and spin state in Fe _{1.01} Se superconductors probed by x-ray absorption and x-ray emission spectroscopy. <i>Physical Review B</i> , 2011 , 84,	3.3	15
822	Disorder-dependent superconducting phase diagram at high magnetic fields in Fe _{1+y} SexTe _{1-x} (x~0.4). <i>Physical Review B</i> , 2011 , 84,	3.3	13
821	Competing pairing symmetries in a generalized two-orbital model for the pnictide superconductors. <i>Physical Review Letters</i> , 2011 , 106, 217002	7.4	45
820	Pressure- and temperature-induced structural phase transitions of CaFe ₂ As ₂ and BaFe ₂ As ₂ studied in the Hund's rule correlation picture. <i>Physical Review B</i> , 2011 , 83,	3.3	18

819	Nematic phase without Heisenberg physics in FeAs planes. <i>Physical Review B</i> , 2011 , 84,	3-3	16
818	Interplay of superconductivity and Ce 4f magnetism in CeFeAs _{1-x} PxO _{0.95} F _{0.05} . <i>Physical Review B</i> , 2011 , 83,	3-3	16
817	Phase diagram of K(x)Fe(2-y)Se(2-z)S(z) and the suppression of its superconducting state by an Fe ₂ -Se/S tetrahedron distortion. <i>Physical Review Letters</i> , 2011 , 107, 137002	7-4	62
816	Anomalous Zeeman response of the coexisting superconducting and spin-density-wave phases as a probe of extended s-wave pairing in ferropnictide superconductors. <i>Physical Review B</i> , 2011 , 83,	3-3	8
815	Carrier contribution to the specific heat coefficient of Sr _{1-x} KxFe _{1-x} As ₂ . <i>Physical Review B</i> , 2011 , 83,	3-3	3
814	Successive magnetic transitions and static magnetic order in RCoAsO (R=La, Ce, Pr, Nd, Sm, Gd) confirmed by muon-spin rotation and relaxation. <i>Physical Review B</i> , 2011 , 84,	3-3	11
813	Fe-spin reorientation in PrFeAsO: Evidences from resistivity and specific heat studies. 2011 , 110, 113722		7
812	Variable temperature study of the crystal and magnetic structures of the giant magnetoresistant materials LMnAsO (L = La, Nd). <i>Physical Review B</i> , 2011 , 83,	3-3	52
811	Impurity-induced quasiparticle interference in the parent compounds of iron-pnictide superconductors. <i>Physical Review B</i> , 2011 , 84,	3-3	17
810	Na ²³ and As ⁷⁵ NMR study of antiferromagnetism and spin fluctuations in NaFeAs single crystals. <i>Physical Review B</i> , 2011 , 83,	3-3	41
809	Multiband superconductivity in LaFeAsO _{0.9} F _{0.1} single crystals probed by high-field vortex torque magnetometry. <i>Physical Review B</i> , 2011 , 83,	3-3	5
808	Phonon softening near the structural transition in BaFe ₂ As ₂ observed by inelastic x-ray scattering. <i>Physical Review B</i> , 2011 , 84,	3-3	34
807	Ab initio investigation of the noncollinear magnetic structure of CeFeAsO. <i>Physical Review B</i> , 2011 , 84,	3-3	2
806	Mott transition in modulated lattices and parent insulator of (K,Tl)(y)Fe(x)Se(2) superconductors. <i>Physical Review Letters</i> , 2011 , 106, 186401	7-4	73
805	Antiferromagnetism in semiconducting KFe _{0.85} Ag _{1.15} Te ₂ single crystals. <i>Physical Review B</i> , 2011 , 84,	3-3	19
804	Coexistence of superconductivity and magnetism in KxFe _{2-2y} Se _{2-2z} Sz (z = 0,0.4). <i>Physical Review B</i> , 2011 , 84,	3-3	11
803	Static magnetic order of Sr ₄ A ₂ O ₆ Fe ₂ As ₂ (A = Sc and V) revealed by Mössbauer and muon spin relaxation spectroscopies. <i>Physical Review B</i> , 2011 , 84,	3-3	16
802	As vacancies, local moments, and Pauli limiting in LaFeAs _{1-x} O _{0.9} F _{0.1} superconductors. <i>Physical Review B</i> , 2011 , 84,	3-3	20

801	Effect of intraband Coulomb repulsion on the excitonic spin-density wave. <i>Physical Review B</i> , 2011 , 84,	3-3	23
800	Magnetoelastic coupling in the phase diagram of $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ as seen via neutron diffraction. <i>Physical Review B</i> , 2011 , 83,	3-3	74
799	Local-moment magnetism in superconducting $\text{FeTe}_{0.35}\text{Se}_{0.65}$ as seen via inelastic neutron scattering. <i>Physical Review B</i> , 2011 , 84,	3-3	20
798	Incommensurate spin fluctuations in hole-overdoped superconductor KFe_2As_2 . <i>Physical Review Letters</i> , 2011 , 106, 067003	7-4	68
797	Noncollinear spin-density-wave antiferromagnetism in FeAs . <i>Physical Review B</i> , 2011 , 83,	3-3	47
796	The electron-pairing mechanism of iron-based superconductors. 2011 , 332, 200-4		195
795	Iron displacements and magnetoelastic coupling in the antiferromagnetic spin-ladder compound BaFe_2Se_3 . <i>Physical Review B</i> , 2011 , 84,	3-3	101
794	Phase diagram and a possible unified description of intercalated iron selenide superconductors. <i>Physical Review Letters</i> , 2011 , 107, 167001	7-4	20
793	Superconductivity and magnetic properties of single crystals of $\text{K}_{0.75}\text{Fe}_{1.66}\text{Se}_2$ and $\text{Cs}_{0.81}\text{Fe}_{1.61}\text{Se}_2$. <i>Physical Review B</i> , 2011 , 83,	3-3	92
792	Retention of the tetragonal to orthorhombic structural transition in F-substituted SmFeAsO : a new phase diagram for $\text{SmFeAs}(\text{O}(1-x)\text{F}(x))$. <i>Physical Review Letters</i> , 2011 , 106, 227001	7-4	37
791	Quasiparticle interference of C_2 -symmetric surface states in a LaOFeAs parent compound. <i>Physical Review Letters</i> , 2011 , 106, 087001	7-4	28
790	Direct evidence for the magnetic ordering of Nd ions in NdFeAsO by high-resolution inelastic neutron scattering. <i>Physical Review B</i> , 2011 , 84,	3-3	6
789	Phonon, two-magnon, and electronic Raman scattering of $\text{Fe}_{1+y}\text{Te}_{1-x}\text{Se}_x$. <i>Physical Review B</i> , 2011 , 83,	3-3	40
788	Strong coupling between Eu^{2+} spins and Fe_2As_2 layers in $\text{EuFe}_{1.9}\text{Co}_{0.1}\text{As}_2$ observed with NMR. <i>Physical Review B</i> , 2011 , 83,	3-3	21
787	Antiferromagnetic spin excitations in single crystals of nonsuperconducting $\text{Li}_{1-x}\text{FeAs}$. <i>Physical Review B</i> , 2011 , 83,	3-3	26
786	Angle-resolved photoemission spectroscopy study of $\text{PrFeAsO}_{0.7}$: Comparison with LaFePO . <i>Physical Review B</i> , 2011 , 84,	3-3	20
785	Structural, transport, thermodynamic, and neutron diffraction studies of layered $\text{R}_2\text{O}_3\text{Fe}_2\text{Se}_2$ ($\text{R}=\text{Ce}, \text{Pr}, \text{Nd}, \text{and Sm}$). <i>Physical Review B</i> , 2011 , 83,	3-3	21
784	Calorimetric evidence of strong-coupling multiband superconductivity in $\text{Fe}(\text{Te}_{0.57}\text{Se}_{0.43})$ single crystal. <i>Physical Review B</i> , 2011 , 83,	3-3	46

783	Effect of Fermi surface nesting on resonant spin excitations in Ba(1-x)K(x)Fe2As2. <i>Physical Review Letters</i> , 2011 , 107, 177003	7.4	62
782	Effective tight-binding model for the iron-vacancy-ordered AyFe1.6Se2. <i>Physical Review B</i> , 2011 , 84,	3.3	7
781	Soft and isotropic phonons in PrFeAsO1½. <i>Physical Review B</i> , 2011 , 84,	3.3	17
780	Role of degeneracy, hybridization, and nesting in the properties of multiorbital systems. <i>Physical Review B</i> , 2011 , 84,	3.3	15
779	Structural and physical properties of CaFe4As3. <i>Physical Review B</i> , 2011 , 84,	3.3	6
778	Theory of the valley-density wave and hidden order in iron pnictides. <i>Physical Review B</i> , 2011 , 83,	3.3	35
777	Pressure dependence of the low-temperature crystal structure and phase transition behavior of CaFeAsF and SrFeAsF: A synchrotron x-ray diffraction study. <i>Physical Review B</i> , 2011 , 84,	3.3	10
776	Spin dynamics of a J1½ antiferromagnet and its implications for iron pnictides. <i>Physical Review B</i> , 2011 , 84,	3.3	24
775	Effect of the isoelectronic substitution of Sb for As on the magnetic and structural properties of LaFe(As1½Sbx)O. <i>Physical Review B</i> , 2011 , 84,	3.3	9
774	Effects of vortices and impurities on the nuclear spin relaxation rate in iron-based superconductors. <i>Physical Review B</i> , 2011 , 84,	3.3	7
773	Fermi surfaces of iron pnictide high-Tc superconductors from the limit of local magnetic moments. <i>Physical Review B</i> , 2011 , 84,	3.3	6
772	Realization of artificial Kondo lattices in nanostructured arrays. <i>Physical Review B</i> , 2011 , 83,	3.3	3
771	Rearrangement of the antiferromagnetic ordering at high magnetic fields in SmFeAsO and SmFeAsO0.9F0.1 single crystals. <i>Physical Review B</i> , 2011 , 83,	3.3	16
770	Doping dependence of the superconductivity of (Ca1½Nax)Fe2As2. <i>Physical Review B</i> , 2011 , 84,	3.3	27
769	Phase diagram of pressure-induced superconductivity in EuFe2As2 probed by high-pressure resistivity up to 3.2 GPa. <i>Physical Review B</i> , 2011 , 83,	3.3	41
768	High-pressure study of superconducting and nonsuperconducting single crystals of the same nominal composition Rb0.8Fe2Se2. <i>Physical Review B</i> , 2011 , 84,	3.3	10
767	Domain walls in normal and superconducting states of iron pnictides. <i>Physical Review B</i> , 2011 , 83,	3.3	13
766	High-field electron spin resonance spectroscopy study of GdFeAsO1½Fx superconductors. <i>Physical Review B</i> , 2011 , 83,	3.3	18

765	Enhancement of the critical temperature in iron pnictide superconductors by finite-size effects. <i>Physical Review B</i> , 2011 , 84,	3-3	12
764	Magnetism and Mott transition: A slave-rotor study. <i>Physical Review B</i> , 2011 , 83,	3-3	15
763	Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting RbyFe1.6+xSe2. <i>Physical Review B</i> , 2011 , 84,	3-3	53
762	Unprecedented anisotropic metallic state in undoped iron arsenide BaFe2As2 revealed by optical spectroscopy. 2011 , 108, 12238-42		158
761	Orbital-Selective Superconductivity and the Effect of Lattice Distortion in Iron-Based Superconductors. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 074704	1.5	12
760	Theoretical Investigation of Energy Levels Splitting of CsCdBr3:Pr3+ Crystal. 2011 , 418-420, 665-669		
759	Interplay between the Crystalline and Magnetic Structures in BiOCu0.94S. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, SB011	1.5	1
758	Chemistry and electronic structure of iron-based superconductors. 2011 , 36, 614-619		33
757	Symmetry-breaking orbital anisotropy observed for detwinned Ba(Fe1-xCox)2As2 above the spin density wave transition. 2011 , 108, 6878-6883		409
756	Structural stability and electronic properties of the new superconductor (Ca4Al2O6 · x)(Fe2As2) from first-principles study. 2011 , 24, 105014		4
755	Synthesis and Electronic Properties of TlFe2Se2. 2011 , 170, 47-50		1
754	A crystal chemical approach to superconductivity. I. A bond-valence sum analysis of inorganic compounds. 2011 , 226,		4
753	A Novel Large Moment Antiferromagnetic Order in K0.8Fe1.6Se2 Superconductor. 2011 , 28, 086104		304
752	Noncollinear magnetic ground state of PrFeAsO. 2011 , 93, 17003		2
751	Microwave Surface Impedance Measurements of LiFeAs Single Crystals. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 013704	1.5	37
750	Crystal structure, physical properties and superconductivity in AxFe2Se2 single crystals. 2011 , 13, 053011		39
749	Modified spin-wave theory with ordering vector optimization: spatially anisotropic triangular lattice and J1J2J3 model with Heisenberg interactions. 2011 , 13, 075017		31
748	Distinct fermi surface topology and nodeless superconducting gap in a (Tl0.58Rb0.42)Fe1.72Se2 superconductor. <i>Physical Review Letters</i> , 2011 , 106, 107001	7.4	191

747	Coherent Optical Phonons in the Iron Oxypnictide $\text{SmFeAsO}_{1-x}\text{F}_x$ ($x=0.075$). <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 013707	1.5	13
746	A Possible New Parent Compound $\text{Sr}_4\text{Al}_2\text{O}_6\text{Fe}_2\text{As}_2$ with High-TC Superconductivity. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 024713	1.5	3
745	Magnetic softness in iron-based superconductors. 2012 , 25, 084007		1
744	Vortices and Chirality in Multi-Band Superconductors. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 024712	1.5	52
743	Influence of electronic correlations on orbital polarizations in the parent and doped iron pnictides. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 085603	1.8	2
742	High energy pseudogap and its evolution with doping in Fe-based superconductors as revealed by optical spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 294202	1.8	30
741	Anomalous local magnetic field distribution and strong pinning in $\text{CaFe}_{1.94}\text{Co}_{0.06}\text{As}_2$ single crystals. 2012 , 100, 47002		3
740	Effect of rare earth substitution in the density of electronic states of LnOFeAs . 2012 , 111, 112631		5
739	Orbital-selective magnetism in the spin-ladder iron selenides $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{Se}_3$. <i>Physical Review B</i> , 2012 , 85,	3.3	77
738	Electron-boson coupling and two superconducting gaps in optimally electron-doped $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$ single crystals. <i>Physical Review B</i> , 2012 , 86,	3.3	5
737	Phase diagram of $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2012 , 85,	3.3	140
736	Thermal Hall conductivity as a probe of gap structure in multiband superconductors: The case of $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2012 , 86,	3.3	16
735	First-principles calculations of the electronic and phonon properties of APt_3P (A = Ca, Sr, and La): Evidence for a charge-density-wave instability and a soft phonon. <i>Physical Review B</i> , 2012 , 86,	3.3	26
734	Ab initio evidence for strong correlation associated with Mott proximity in iron-based superconductors. <i>Physical Review Letters</i> , 2012 , 108, 177007	7.4	60
733	Phase diagram and calorimetric properties of $\text{NaFe}_{1-x}\text{Co}_x\text{As}$. <i>Physical Review B</i> , 2012 , 85,	3.3	65
732	Resistive transition of the compound $\text{LaO}_{0.89}\text{F}_{0.11}\text{FeGe}$ at 20 K. 2012 , 85, 777-780		2
731	Deviating band symmetries and many-body interactions in a model hole-doped iron pnictide superconductor. <i>Physical Review B</i> , 2012 , 86,	3.3	4
730	Identical effects of indirect and direct electron doping of superconducting BaFe_2As_2 thin films. <i>Physical Review B</i> , 2012 , 85,	3.3	41

729	Phase transition of square-lattice antiferromagnets at finite temperature. <i>Physical Review B</i> , 2012 , 86,	3-3	17
728	Structural analysis and superconductivity of CeFeAsO _{1-x} Fx. <i>Physical Review B</i> , 2012 , 85,	3-3	47
727	Temperature dependence of the paramagnetic spin excitations in BaFe ₂ As ₂ . <i>Physical Review B</i> , 2012 , 86,	3-3	21
726	Anisotropic electrical resistivity of LaFeAsO: Evidence for electronic nematicity. <i>Physical Review B</i> , 2012 , 86,	3-3	21
725	s-wave superconductivity with orbital-dependent sign change in checkerboard models of iron-based superconductors. <i>Physical Review B</i> , 2012 , 85,	3-3	21
724	Fermi surface evolution and checker-board block-spin antiferromagnetism in A _x Fe ₂ As ₂ Se ₂ . <i>Physical Review B</i> , 2012 , 86,	3-3	3
723	Enhanced anisotropic spin fluctuations below tetragonal-to-orthorhombic transition in LaFeAs(O _{1-x} F _x) probed by ⁷⁵ As and ¹³⁹ La NMR. <i>Physical Review B</i> , 2012 , 85,	3-3	15
722	Detection of orbital fluctuations above the structural transition temperature in the iron pnictides and chalcogenides. <i>Physical Review B</i> , 2012 , 85,	3-3	44
721	Electronic properties of 3d transitional metal pnictides: A comparative study by optical spectroscopy. <i>Physical Review B</i> , 2012 , 86,	3-3	40
720	Magnetic properties of spin-diluted iron pnictides from μ R and NMR in LaFe _{1-x} R _x AsO. <i>Physical Review B</i> , 2012 , 85,	3-3	24
719	Effect of Co doping on the in-plane anisotropy in the optical spectrum of underdoped Ba(Fe(1-x)Co(x)) ₂ As ₂ . <i>Physical Review Letters</i> , 2012 , 109, 217003	7-4	60
718	Temperature dependence of the resonance and low-energy spin excitations in superconducting FeTe _{0.6} Se _{0.4} . <i>Physical Review B</i> , 2012 , 85,	3-3	8
717	Magnetic phase diagram in the Co-rich side of the LCo _{1-x} F _x AsO (L = La, Sm) system. <i>Physical Review B</i> , 2012 , 86,	3-3	8
716	Phase transitions in spin-orbital models with spin-space anisotropies for iron pnictides: Monte Carlo simulations. <i>Physical Review B</i> , 2012 , 85,	3-3	28
715	Superconducting proximity effect on the block antiferromagnetism in KyFe ₂ As ₂ Se ₂ . <i>Physical Review B</i> , 2012 , 85,	3-3	8
714	Anisotropy of the χ'' dynamic susceptibility in magnetically ordered (x=0.05) and superconducting (x = 0.40) Fe _{1.02} Te _{1-x} Sex. <i>Physical Review B</i> , 2012 , 86,	3-3	11
713	Modeling the role of the fluorine dopant in the magnetic phase diagram of LaFeAsO _{1-x} F _x superconductors. <i>Physical Review B</i> , 2012 , 85,	3-3	1
712	Multiband effects on EFeSe single crystals. <i>Physical Review B</i> , 2012 , 85,	3-3	46

711	Pairing symmetries of a hole-doped extended two-orbital model for the pnictides. <i>Physical Review B</i> , 2012 , 85,	3-3	15
710	NMR search for the spin nematic state in a LaFeAsO single crystal. <i>Physical Review Letters</i> , 2012 , 109, 247001	7-4	62
709	Magnetic interactions in iron superconductors studied with a five-orbital model within the Hartree-Fock and Heisenberg approximations. <i>Physical Review B</i> , 2012 , 86,	3-3	19
708	Anisotropic vortex lattice structures in the FeSe superconductor. <i>Physical Review B</i> , 2012 , 85,	3-3	28
707	Two-orbital quantum spin model of magnetism in the iron pnictides. <i>Physical Review B</i> , 2012 , 85,	3-3	0
706	Pressure effects on magnetically driven electronic nematic states in iron pnictide superconductors. <i>Physical Review B</i> , 2012 , 85,	3-3	16
705	Macroscopic phase segregation in superconducting K0.73Fe1.67Se2 as seen by muon spin rotation and infrared spectroscopy. <i>Physical Review B</i> , 2012 , 85,	3-3	22
704	Neutron scattering studies of spin excitations in superconducting Rb0.82Fe1.68Se2. <i>Physical Review B</i> , 2012 , 86,	3-3	16
703	Continuous critical temperature enhancement with gradual hydrogen doping in LaFeAsO0.85Hx (x=0--0.85). <i>Physical Review B</i> , 2012 , 86,	3-3	3
702	Ultrafast momentum-dependent response of electrons in antiferromagnetic EuFe2As2 driven by optical excitation. <i>Physical Review Letters</i> , 2012 , 108, 097002	7-4	60
701	Anomalous in-plane magnetoresistance in a EuFe2As2 single crystal: Evidence of strong spin-charge-lattice coupling. <i>Physical Review B</i> , 2012 , 85,	3-3	13
700	Experimental and theoretical electronic structure of EuRh2As2. <i>Physical Review B</i> , 2012 , 85,	3-3	0
699	Emergence of mixed quintet superfluidity in the chain of partially polarized spin-3/2 ultracold atoms. 2012 , 86,		6
698	Spin dynamics of a J1-J2-K model for the paramagnetic phase of iron pnictides. <i>Physical Review B</i> , 2012 , 86,	3-3	37
697	Anomalous dependence of c-axis polarized Fe B1g phonon mode with Fe and Se concentrations in Fe1+yTe1-xSex. <i>Physical Review B</i> , 2012 , 85,	3-3	24
696	Anisotropy of electrical transport in pnictide superconductors studied using Monte Carlo simulations of the spin-fermion model. <i>Physical Review Letters</i> , 2012 , 109, 047001	7-4	47
695	Magnetic phase transitions and large mass enhancement in single crystal CaFe4As3. <i>Chinese Physics B</i> , 2012 , 21, 017402	1-2	2
694	EFFECT OF ZINC IMPURITY AND ITS IMPLICATION TO THE PAIRING SYMMETRY IN IRON-BASED SUPERCONDUCTORS. 2012 , 26, 1230012		1

693	Electronic structure and characteristics of Fe 3d valence states of Fe(1.01)Se superconductors under pressure probed by x-ray absorption spectroscopy and resonant x-ray emission spectroscopy. 2012 , 137, 244702		2
692	Green-function study of the J 1 -J 2 -J c spin-exchange model for BaMn 2 As 2. 2012 , 99, 17007		
691	From antiferromagnetic insulator to correlated metal in pressurized and doped LaMnPO. 2012 , 109, E1815-9		42
690	Local antiferromagnetic exchange and collaborative Fermi surface as key ingredients of high temperature superconductors. 2012 , 2, 381		98
689	Electronic and magnetic phase diagram in K(x)Fe(2-y)Se(2) superconductors. 2012 , 2, 212		102
688	Insulator-to-metal transition and large thermoelectric effect in La 1-x Sr x MnAsO. 2012 , 98, 17009		19
687	Breaking of fourfold lattice symmetry in a model for pnictide superconductors. 2012 , 25, 084003		4
686	Fermi surface nesting and spin density wave instability in the overdoped superconducting iron pnictides. 2012 , 100, 47004		1
685	Iron based superconductors processing and properties. 2012 , 57, 311-327		20
684	Effect of Co-doping on the resistivity and thermopower of SmFe1-xCoxAsO (0.0≤x≤0.3). 2012 , 2, 042137		1
683	Superconductivity in fluorine and yttrium co-doped SmFeAsO. 2012 , 111, 093912		5
682	Nanoscale phase separation of antiferromagnetic order and superconductivity in K(0.75)Fe(1.75)Se(2). 2012 , 2, 221		93
681	Double-Focusing Thermal Triple-Axis Spectrometer at the NCNR. 2012 , 117, 61-79		90
680	Gap-like feature in the normal state of X(Fe1-xCox)2As2, X = Ba, Sr and Fe1+yTe revealed by Point Contact Spectroscopy. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022001	0.3	3
679	Superconductivity in Pt Doped BaFe2As2. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 064704	1.5	7
678	Review of NMR Studies on Iron-Based Superconductors. 2012 , 275-355		
677	Unidirectional Electronic Structure in the Parent State of Iron-Chalcogenide Superconductor Fe1+xTe. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 074714	1.5	14
676	Spin-Density-Wave Gap with Dirac Nodes and Two-Magnon Raman Scattering in BaFe2As2. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 024718	1.5	16

675	High-TCsuperconductivity in ultrathin crystals: implications for microscopic theory. 2012 , 1, 4-16		4
674	Field-Induced Magnetostructural Transitions in Antiferromagnetic Fe _{1+y} Te _{1-x} S _x . <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 063703	1.5	6
673	Growth of BaFe ₂ (As _{1-x} P _x) ₂ Single Crystals (0 \times 11) by Ba ₂ As ₃ /Ba ₂ P ₃ -Flux Method. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 104710	1.5	48
672	Spin density wave and superconductivity in CaFe _{1-x} CoxAsF studied by nuclear magnetic resonance. <i>Physical Review B</i> , 2012 , 86,	3.3	4
671	Microscopic Coexistence of Superconductivity and Antiferromagnetism in Underdoped Ba(Fe _{1-x} Ru _x) ₂ As ₂ . <i>Physical Review Letters</i> , 2012 , 109, 197002	7.4	21
670	Three dimensionality and orbital characters of the Fermi surface in (Tl,Rb)(y)Fe(2-x)Se ₂ . <i>Physical Review Letters</i> , 2012 , 109, 037003	7.4	34
669	Recent Progress in Physics of High-Temperature Superconductors. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 010004	1.4	12
668	Possible valence-bond condensation in the frustrated cluster magnet LiZn ₂ Mo ₃ O ₈ . 2012 , 11, 493-6		90
667	Nematic orders in iron-based superconductors. 2012 , 481, 215-222		29
666	MgFeGe as an isoelectronic and isostructural analog of the superconductor LiFeAs. <i>Physical Review B</i> , 2012 , 85,	3.3	12
665	P-T phase diagram of iron arsenide superconductor NdFeAsO 0.88 F 0.12. 2012 , 100, 46005		3
664	Raman spectroscopy of highly oriented FeSe _{0.5} Te _{0.5} superconductor. 2012 , 25, 025014		2
663	ZrCuSiAs type layered oxypnictides: A bird's eye view of LnMPnO compositions. 2012 , 40, 41-56		27
662	Atomic and electronic structures of FeSe monolayer and bilayer thin films on SrTiO ₃ (001): First-principles study. <i>Physical Review B</i> , 2012 , 85,	3.3	73
661	Observation of multiple superconducting gaps in Fe _{1-y} Te _{1-x} Se _x via a nanoscale approach to point-contact spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 455703	1.8	3
660	Spectral density in a nematic state of iron pnictides. <i>Physical Review B</i> , 2012 , 85,	3.3	17
659	Crystallographic and magnetic phase transitions in the layered ruthenium oxyarsenides TbRuAsO and DyRuAsO. 2012 , 51, 8502-8		2
658	Symmetry breaking via orbital-dependent reconstruction of electronic structure in detwinned NaFeAs. <i>Physical Review B</i> , 2012 , 85,	3.3	113

657	Structural phase transitions in SrRh ₂ As ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	15
656	Thin Film Growth and Device Fabrication of Iron-Based Superconductors. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 011011	1.5	47
655	U(1) slave-spin theory and its application to Mott transition in a multiorbital model for iron pnictides. <i>Physical Review B</i> , 2012 , 86,	3.3	62
654	Two-dome structure in electron-doped iron arsenide superconductors. <i>Nature Communications</i> , 2012 , 3, 943	17.4	174
653	Successive Magnetic Transitions in RECoAsO. 2012 , 30, 262-265		
652	Order parameter fluctuations at a buried quantum critical point. 2012 , 109, 7224-9		48
651	Magnetism and its microscopic origin in iron-based high-temperature superconductors. 2012 , 8, 709-718		420
650	A common thread: The pairing interaction for unconventional superconductors. 2012 , 84, 1383-1417		825
649	First-principles study of Fe-based superconductors: A comparison of screened hybrid functional with gradient corrected functional. 2012 , 55, 284-294		4
648	Overview on the physics and materials of the new superconductor K(x)Fe(2-y)Se ₂ . 2012 , 75, 112501		34
647	Strongly correlated materials. 2012 , 24, 4896-923		90
646	Sb-Doped LiFeAs Single Crystals: Crystal Structure and Physical Properties. 2012 , 638, 1628-1628		1
645	Ferromagnetism in CuFeSb: Evidence of competing magnetic interactions in iron-based superconductors. <i>Physical Review B</i> , 2012 , 85,	3.3	11
644	Insulating magnetism in vacancy-ordered K _{0.8} Fe _{1.6} Se ₂ . <i>Physical Review B</i> , 2012 , 86,	3.3	17
643	Coexistence and competition of the short-range incommensurate antiferromagnetic order with the superconducting state of BaFe(2-x)Ni(x)As ₂ . <i>Physical Review Letters</i> , 2012 , 108, 247002	7.4	76
642	Effect of Li-deficiency impurities on the electron-overdoped LiFeAs superconductor. <i>Physical Review B</i> , 2012 , 86,	3.3	25
641	Polarized neutron scattering studies of magnetic excitations in electron-overdoped superconducting BaFe _{1.85} Ni _{0.15} As ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	25
640	Electron doping evolution of the anisotropic spin excitations in BaFe ₂ âNixAs ₂ . <i>Physical Review B</i> , 2012 , 86,	3.3	40

639	Imaging the coexistence of a superconducting phase and a charge-density modulation in the $K0.73Fe1.67Se2$ superconductor using a scanning tunneling microscope. <i>Physical Review B</i> , 2012 , 85,	3-3	43
638	Upper critical field, critical current density and thermally activated flux flow in $CaFe0.9Co0.1As$ superconductor. 2012 , 25, 045004		8
637	Physics and chemistry of layered chalcogenide superconductors. 2012 , 13, 054303		71
636	Conductance of non-ballistic point contacts in hybrid systems "normal metal/superconductor" Cu/Mo and $Cu/LaOFeAs$. 2012 , 483, 149-155		2
635	Magnetothermoelectric effects in $Fe_{1+d}Te_{1-x}Se_x$. 2012 , 483, 21-25		10
634	^{75}As NMR study of the growth of paramagnetic-metal domains due to electron doping near the superconducting phase in $LaFeAsO_{1-x}F_x$. <i>Physical Review B</i> , 2012 , 85,	3-3	10
633	Diffraction Methods: Structure Determination and Phase Analysis of Solids. 2012 , 271-295		
632	Volumes and issues. 2012 , 6, 38		
631	Effect of uniaxial strain on the structural and magnetic phase transitions in $BaFe_2As_2$. <i>Physical Review Letters</i> , 2012 , 108, 087001	7-4	85
630	Pressure-induced superconductivity in $Ba_{0.5}Sr_{0.5}Fe_2As_2$. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 495702	1.8	1
629	Microscopic origin of the linear temperature increase of the magnetic susceptibility of $BaFe_2As_2$. <i>Physical Review B</i> , 2012 , 86,	3-3	15
628	Iron chalcogenide superconductors at high magnetic fields. 2012 , 13, 054305		29
627	Superconductivity and magnetism in 11-structure iron chalcogenides in relation to the iron pnictides. 2012 , 13, 054304		24
626	Chalcogen height dependence of magnetism and Fermiology in $FeTe_xSe_{1-x}$. 2012 , 25, 095002		17
625	Gutzwiller theory of band magnetism in $LaOFeAs$. <i>Physical Review Letters</i> , 2012 , 108, 036406	7-4	40
624	Metastable 11 K superconductor $Na(1-y)Fe(2-x)As_2$. 2012 , 51, 8161-7		20
623	Effects of ring exchange interaction on the Néel phase of two-dimensional, spatially anisotropic, frustrated Heisenberg quantum antiferromagnet. <i>Physical Review B</i> , 2012 , 85,	3-3	16
622	Nature of magnetic excitations in superconducting $BaFe_{1.9}Ni_{0.1}As_2$. 2012 , 8, 376-381		109

621	Magnetic frustration and iron-vacancy ordering in iron chalcogenide. <i>Physical Review B</i> , 2012 , 85,	3.3	14
620	Structure-properties correlations in Fe chalcogenide superconductors. 2012 , 41, 3897-911		19
619	Unified minimum effective model of magnetic properties of iron-based superconductors. <i>Physical Review B</i> , 2012 , 85,	3.3	51
618	Ultrafast transient generation of spin-density-wave order in the normal state of BaFe ₂ As ₂ driven by coherent lattice vibrations. 2012 , 11, 497-501		134
617	Angle-Resolved Photoemission Studies of Quantum Materials. 2012 , 3, 129-167		59
616	Dependence of Superconductivity and Its Weakly Linked Behavior in Bulk LaO _{1-x} F _x FeAs on F Doping. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 935-942	1.5	
615	The Reason why Doping Causes Superconductivity in LaFeAsO. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 989-999	1.5	4
614	Structural Distortion as Prerequisite for Superconductivity in LiFeAs. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 1743-1745	1.5	1
613	Structural transition, ferro-orbital order and its fluctuation-mediated s ₊₊ -wave superconductivity in iron pnictides. 2012 , 152, 701-710		7
612	High- superconductivity in the LaFeAsO _{1-x} F _x system based on inelastic neutron scattering measurements. 2012 , 152, 653-659		2
611	Phase diagram and oxygen annealing effect of FeTe _{1-x} Se _x iron-based superconductor. 2012 , 152, 1135-1138		57
610	Charge stripe structure in FeTe. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1796-1798	2.8	3
609	The electronic structure and magnetism of KxFe ₂ Se ₂ . 2012 , 376, 1072-1077		5
608	The mechanism of anisotropic exchange interaction in superconducting iron arsenides. 2012 , 376, 1759-1761		2
607	Gd ³⁺ electron spin resonance spectroscopy on LaO _{1-x} F _x FeAs superconductors. 2012 , 114, 662-670		3
606	Magnetic Properties of GdCoAsO. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 125-129	1.5	2
605	Possible realization of an antiferromagnetic Griffiths phase in Ba(Fe _{1-x} Mnx) ₂ As ₂ . <i>Physical Review B</i> , 2013 , 87,	3.3	34
604	Whether FeTe is superconductor: Insights from first-principles calculations. 2013 , 492, 152-157		6

603	Superconductivity induced by hydrogen anion substitution in 1111-type iron arsenides. 2013 , 17, 49-58		24
602	Point contact spectroscopy of Fe pnictides and chalcogenides in the normal state. 2013 , 17, 81-88		7
601	Quantum Criticality Stabilizes High T _c Superconductivity Against Competing Symmetry-Breaking Instabilities. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 2611-2616	1.5	2
600	Effects of pressure on the electronic structures of LaOFeP. 2013 , 377, 1479-1485		
599	Topological insulators with commensurate antiferromagnetism. <i>Physical Review B</i> , 2013 , 88,	3.3	68
598	Anisotropic but Nodeless Superconducting Gap in the Presence of Spin-Density Wave in Iron-Pnictide Superconductor NaFe _{1-x} Co _x As. <i>Physical Review X</i> , 2013 , 3,	9.1	40
597	Correlation effects on optical properties of TbOFeAs. 2013 , 111, 821-828		
596	Superconductivity from repulsive interaction. 2013 ,		30
595	Homogeneous coexistence and phase segregation in 1111 iron-based pnictides studied via NMR. 2013 , 62, 2004-2006		
594	Transition-Metal Pnictides. 2013 , 111-135		3
593	Tetragonal to orthorhombic phase transition of GdFeAsO studied by single-crystal X-ray diffraction. 2013 , 19, 162-166		7
592	Role of Dirac cones in magnetotransport properties of REFeAsO (RE = rare earth) oxypnictides. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	15
591	The synthesis and characterization of 1111-type diluted magnetic semiconductors (La _{1-x} Sr _x)(Zn _{1-x} TM _x)AsO (TM = Mn, Fe, Co). 2013 , 103, 67011		8
590	Structural properties of FeTe ₂ thin films synthesized by tellurization of amorphous iron oxide thin films. 2013 , 16, 1912-1917		2
589	Distinct in-plane resistivity anisotropy in a detwinned FeTe single crystal: Evidence for a Hund's metal. <i>Physical Review B</i> , 2013 , 88,	3.3	32
588	Effect of excess Fe on magnetic properties and crystallographic phases in Fe _{1+x} Te. 2013 , 484, 19-21		7
587	Effect of Zn doping in under- and over-doped LaFe _{1-x} Co _x AsO system. 2013 , 102, 37003		7
586	Angular dependent ⁷⁵ As NMR study of the electric field gradient in CaFe ₂ As ₂ . 2013 , 26, 025012		0

585	Local structure and hyperfine interactions of ^{57}Fe in NaFeAs studied by Mössbauer spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 346003	1.8	6
584	Five new chalcogenides, $\text{Ba}_3\text{Ga}_5\text{S}_4\text{X}$ (X = Cl, Br), $\text{Ba}_3\text{MSe}_4\text{Cl}$ (M = Ga, In), and $\text{Ba}_7\text{In}_2\text{Se}_6\text{F}_8$: syntheses, crystal structures, and optical properties. 2013 , 52, 11503-8		31
583	Local moments and suppression of antiferromagnetism in correlated $\text{Zr}_4\text{Fe}_4\text{Si}_7$. <i>Physical Review B</i> , 2013 , 88,	3-3	
582	Coupling of electronic and magnetic properties in $\text{Fe}_{1+y}(\text{Te}_{1-x}\text{Se}_x)$. <i>Physical Review B</i> , 2013 , 88,	3-3	19
581	Recycling rare earth elements from industrial wastewater with flowerlike nano- $\text{Mg}(\text{OH})_2$. 2013 , 5, 9719-25		141
580	Structural properties and phase diagram of the $\text{La}(\text{Fe}_{1-x}\text{Ru}_x)\text{AsO}$ system. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 395701	1.8	7
579	Spin-phonon coupling in $\text{K}_{0.8}\text{Fe}_{1.6}\text{Se}_2$ and KFe_2Se_2 : Inelastic neutron scattering and ab initio phonon calculations. <i>Physical Review B</i> , 2013 , 87,	3-3	13
578	The iron-age of superconductivity: structural correlations and commonalities among the various families having -Fe-Pn- slabs (Pn = P, As and Sb). 2013 , 42, 569-98		25
577	Effect of off-stoichiometry at the Fe-site in $\text{FeSe}_{0.5}\text{Te}_{0.5}$ Superconductor. 2013 , 49, 109-117		4
576	Direct observation of superconducting gaps in iron-based superconductors by laser ARPES. 2013 , 494, 54-56		1
575	Orbital-dependent effects of electron correlations in microscopic models for iron-based superconductors. 2013 , 17, 65-71		17
574	Quantum disorder in the spatially completely anisotropic triangular lattice. <i>Physical Review B</i> , 2013 , 87,	3-3	23
573	Superconductivity and antiferromagnetism in cuprates and pnictides: Evidence of the role of Coulomb correlation. 2013 , 493, 7-11		
572	Synthesis, structure and properties of the new layered manganese oxyselenide $\text{Sr}_2\text{F}_2\text{Mn}_2\text{Se}_2\text{O}$. 2013 , 580, 211-216		2
571	Modelling the electronic structure and magnetic properties of LiFeAs and FeSe using hybrid-exchange density functional theory. 2013 , 161, 23-28		5
570	LESSONS FROM OXYPNICTIDE THIN FILMS. 2013 , 27, 1330001		15
569	Superconductivity induced by U doping in the SmFeAsO system. <i>Physical Review B</i> , 2013 , 87,	3-3	2
568	Magnetic anisotropy in hole-doped superconducting $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$ probed by polarized inelastic neutron scattering. <i>Physical Review B</i> , 2013 , 87,	3-3	27

567	Quantum Monte Carlo study of a dominant s-wave pairing symmetry in iron-based superconductors. <i>Physical Review Letters</i> , 2013 , 110, 107002	7.4	31
566	Persistent high-energy spin excitations in iron-pnictide superconductors. <i>Nature Communications</i> , 2013 , 4, 1470	17.4	83
565	Lattice Effects Across the Phase Diagram of Pnictides. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 1325-1330	1.5	1
564	Strong enhancement of the critical current at the antiferromagnetic transition in ErNi ₂ B ₂ C single crystals. <i>Physical Review B</i> , 2013 , 87,	3.3	7
563	Orbital-selective Mott phase in multiorbital models for alkaline iron selenides K _{1-x} Fe _{2-y} Se ₂ . <i>Physical Review Letters</i> , 2013 , 110, 146402	7.4	109
562	Iron-Based Superconductors. <i>Springer Theses</i> , 2013 , 19-44	0.1	
561	Evidence of a full gap in LaFeAsO _{1-x} F _x thin films from infrared spectroscopy. <i>Physical Review B</i> , 2013 , 87,	3.3	12
560	Interaction of itinerant electrons and spin fluctuations in electron-doped cuprates. <i>Physical Review B</i> , 2013 , 87,	3.3	9
559	Sign-reversal of the in-plane resistivity anisotropy in hole-doped iron pnictides. <i>Nature Communications</i> , 2013 , 4, 1914	17.4	83
558	THEORETICAL MODELS FOR MAGNETIC PROPERTIES OF IRON PNICTIDES. 2013 , 27, 1350071		1
557	Avoided quantum criticality and magnetoelastic coupling in BaFe _(2-x) Ni _(x) As ₂ . <i>Physical Review Letters</i> , 2013 , 110, 257001	7.4	57
556	Charge stripe structure in Fe _{1+x} Te by STM. 2013 , 167, 10-13		4
555	Observation of an isosceles triangular electronic structure around the excess iron atoms in Fe _{1+x} Te. <i>Physical Review B</i> , 2013 , 87,	3.3	8
554	Anisotropic electron-phonon coupling investigated by ultrafast electron crystallography: Three-temperature model. <i>Physical Review B</i> , 2013 , 87,	3.3	17
553	The random mass Dirac model and long-range correlations on an integrated optical platform. <i>Nature Communications</i> , 2013 , 4, 1368	17.4	24
552	Dual role of d electrons in iron pnictides. <i>Physical Review B</i> , 2013 , 87,	3.3	17
551	Spin excitation anisotropy as a probe of orbital ordering in the paramagnetic tetragonal phase of superconducting BaFe _{1.904} Ni _{0.096} As ₂ . <i>Physical Review Letters</i> , 2013 , 111, 107006	7.4	48
550	Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. <i>Nature Communications</i> , 2013 , 4, 2874	17.4	82

549	NdFeAsO _{1-x} F _x Superconductor – Impact of Fluorine Variation on Microstructure and Transport Properties. 2013 , 96, 1176-1180		4
548	Contribution of interlayer hybridization to the electronic structure in iron pnictides: a study of EELS and first-principles calculations. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 115503	1.8	1
547	Two-dimensional magnetic interactions in LaFeAsO. <i>Physical Review B</i> , 2013 , 87,	3.3	17
546	Influence of spin-phonon coupling on antiferromagnetic spin fluctuations in FeSe under pressure: First-principles calculations with van der Waals corrections. <i>Physical Review B</i> , 2013 , 88,	3.3	16
545	New Frontiers Opened Up Through Function Cultivation in Transparent Oxides. 2013 , 455-487		1
544	Zigzag Chain Structure Transition and Orbital Fluctuations in Ni-Based Superconductors. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 094704	1.5	4
543	Spin wave excitations in AFe _{1.5} Se ₂ (A = K, Tl): analytical study. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 036004	1.8	4
542	⁷⁵ As NMR study of overdoped CeFeAsO _{0.8} F _{0.2} . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 315701	1.8	1
541	Antiferromagnetic order in Ca ₁₀ (Pt ₃ As ₈)(Fe ₂ As ₂) ₅ observed by ⁷⁵ As NMR. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 122201	1.8	10
540	Structural and magnetic phase transitions in triclinic Ca ₁₀ (FeAs) ₁₀ (Pt ₃ As ₈). <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 122203	1.8	15
539	Magnetic domain walls induced by twin boundaries in low doped Fe-pnictides. 2013 , 15, 103018		4
538	Competition between antiferromagnetism and ferromagnetism in Sr ₂ RuO ₄ probed by Mn and Co doping. 2013 , 3, 2950		28
537	A crossover in the phase diagram of NaFe _{1-x} CoxAs determined by electronic transport measurements. 2013 , 15, 043048		21
536	Ultrafast quasiparticle relaxation dynamics in high quality epitaxial FeSe _{0.5} Te _{0.5} thin films. 2013 , 26, 075018		12
535	Calculated phase diagram of doped BaFe ₂ As ₂ superconductor in a C _{4v} -symmetry breaking model. 2013 , 103, 67001		11
534	Oriented gap opening in the magnetically ordered state of iron pnictides: An impact of intrinsic unit cell doubling on the Fe square lattice by As atoms. 2013 , 104, 57007		3
533	Evolution of superconductivity in isovalent Te-substituted KxFe ₂ As ₂ Se ₂ crystals. 2013 , 26, 055002		11
532	Electronic phase diagram of NaFe _{1-x} CoxAs investigated by scanning tunneling microscopy. <i>Chinese Physics B</i> , 2013 , 22, 087413	1.2	2

531	Longitudinal Spin Excitations and Magnetic Anisotropy in Antiferromagnetically Ordered BaFe ₂ As ₂ . <i>Physical Review X</i> , 2013 , 3,	9.1	32
530	Emergent phases of nodeless and nodal superconductivity separated by antiferromagnetic order in iron-based superconductor (Ca ₄ Al ₂ O ₆)Fe ₂ (As _{1-x} P _x) ₂ : 75As- and 31P-NMR studies. <i>Physical Review B</i> , 2013 , 87,	3.3	16
529	Anisotropic optical conductivity of the putative Kondo insulator CeRu ₄ Sn ₆ . <i>Physical Review B</i> , 2013 , 87,	3.3	22
528	In-plane spin excitation anisotropy in the paramagnetic state of NaFeAs. <i>Physical Review B</i> , 2013 , 88,	3.3	32
527	Space group symmetry, spin-orbit coupling, and the low-energy effective Hamiltonian for iron-based superconductors. <i>Physical Review B</i> , 2013 , 88,	3.3	115
526	Spin fluctuations and unconventional superconducting pairing in iron-based superconductors. <i>Chinese Physics B</i> , 2013 , 22, 087411	1.2	13
525	Microstructure and structural phase transitions in iron-based superconductors. <i>Chinese Physics B</i> , 2013 , 22, 087409	1.2	7
524	Angle-resolved photoemission spectroscopy study on iron-based superconductors. <i>Chinese Physics B</i> , 2013 , 22, 087407	1.2	12
523	Physics picture from neutron scattering study on Fe-based superconductors. <i>Chinese Physics B</i> , 2013 , 22, 087405	1.2	8
522	Exploration of iron-chalcogenide superconductors. <i>Chinese Physics B</i> , 2013 , 22, 087401	1.2	7
521	Photoemission study of iron-based superconductor. <i>Chinese Physics B</i> , 2013 , 22, 087406	1.2	2
520	Detection of antiferromagnetic ordering in heavily doped LaFeAsO(1-x)H(x) pnictide superconductors using nuclear-magnetic-resonance techniques. <i>Physical Review Letters</i> , 2013 , 111, 097002	7.4	39
519	Paramagnetic spin excitations in insulating Rb _{0.8} Fe _{1.6} Se ₂ . <i>Physical Review B</i> , 2013 , 87,	3.3	1
518	Formation of the density wave energy gap in Na ₂ Ti ₂ Sb ₂ O: An optical spectroscopy study. <i>Physical Review B</i> , 2013 , 87,	3.3	13
517	The electronic structure and magnetism of BaTi ₂ Sb ₂ O. 2013 , 113, 243904		14
516	Magnetization distribution and orbital moment in the nonsuperconducting chalcogenide compound K _{0.8} Fe _{1.6} Se ₂ . <i>Physical Review B</i> , 2013 , 88,	3.3	0
515	Magnetic structure of superconducting Eu(Fe _{0.82} Co _{0.18}) ₂ As ₂ as revealed by single-crystal neutron diffraction. <i>Physical Review B</i> , 2013 , 88,	3.3	29
514	Layered pnictide-oxide Na ₂ Ti ₂ Pn ₂ O (Pn=As, Sb): a candidate for spin density waves. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 365501	1.8	20

513	Competition of 3d/4f orbitals due to competing conductivity and ferromagnetism in Fe/CoAs layers in Eu(Fe _{0.89} Co _{0.11}) ₂ As ₂ . 2013 , 113, 013907		1
512	Electron doping evolution of the magnetic excitations in BaFe ₂ As ₂ . <i>Physical Review B</i> , 2013 , 88,	3-3	35
511	Superconductivity and Magnetism in (Tl, K, Rb)Fe _x Se ₂ . <i>Journal of Physics: Conference Series</i> , 2013 , 449, 012015	0-3	8
510	Strong anisotropy in the electromagnetic properties of Na ₂ Ti ₂ X ₂ O (X = As, Sb) crystals. <i>Physical Review B</i> , 2013 , 88,	3-3	8
509	Evidence of unconventional low-frequency dynamics in the normal phase of Ba(Fe _{1-x} Rh _x) ₂ As ₂ iron-based superconductors. <i>Physical Review B</i> , 2013 , 88,	3-3	13
508	Interplay of superconductivity and d-d correlation in CeFeAs _{1-x} PxO _{1-y} Fy. <i>Chinese Physics B</i> , 2013 , 22, 087415	1-2	1
507	Tunneling spectroscopy for probing orbital anisotropy in iron pnictides. <i>Physical Review B</i> , 2013 , 88,	3-3	12
506	Uniaxial pressure effect on structural and magnetic phase transitions in NaFeAs and its comparison with as-grown and annealed BaFe ₂ As ₂ . <i>Physical Review B</i> , 2013 , 87,	3-3	30
505	Magnetism-dependent phonon anomaly in LaFeAsO observed via inelastic x-ray scattering. <i>Physical Review B</i> , 2013 , 87,	3-3	7
504	Disorder effects in multiorbital s'-wave superconductors: Implications for Zn-doped BaFe ₂ As ₂ compounds. <i>Physical Review B</i> , 2013 , 88,	3-3	18
503	Switching of intra-orbital spin excitations in electron-doped iron pnictide superconductors. <i>Physical Review B</i> , 2013 , 88,	3-3	24
502	Dynamic approach to finite-temperature magnetic phase transitions in the extended J1-J2 model with vacancy order. 2013 , 87, 022113		3
501	Fermiology, orbital order, orbital fluctuations, and Cooper pairing in iron-based superconductors. <i>Physical Review B</i> , 2013 , 88,	3-3	45
500	Crystal growth, structural and physical properties of the 5d noncentrosymmetric LaOsSi ₃ . <i>Chinese Physics B</i> , 2013 , 22, 108103	1-2	1
499	Pressure-decoupled magnetic and structural transitions of the parent compound of iron-based 122 superconductors BaFe ₂ As ₂ . 2013 , 110, 17263-6		35
498	Angle-resolved photoemission spectroscopy study of BaCo ₂ As ₂ . <i>Physical Review B</i> , 2013 , 87,	3-3	19
497	A Short Review of the S ₄ Symmetric Microscopic Model for Iron-Based High Temperature Superconductors. <i>Journal of Physics: Conference Series</i> , 2013 , 449, 012017	0-3	0
496	Direct observation of superconducting gaps in iron-based superconductors by laser ARPES. <i>Journal of Physics: Conference Series</i> , 2013 , 449, 012019	0-3	2

495	Electron Correlation and Spin Dynamics in Iron Pnictides and Chalcogenides. <i>Journal of Physics: Conference Series</i> , 2013 , 449, 012025	0.3	9
494	Superconductivity under Pressure in FeSe Studied by Magnetic and Transport Measurements. 2014 ,		
493	Superconductivity by transition metal doping in Ca ₁₀ (Fe _{1-x} M _x As) ₁₀ (Pt ₃ As ₈) (M = Co, Ni, Cu). 2014 , 94, 3632-3639		5
492	Magnetism and Structure in Layered Iron Superconductor Systems. 2014 , 381-463		0
491	Electronic structure reconstruction of Ca _{1-x} Pr _x Fe ₂ As ₂ in the collapsed tetragonal phase. <i>Physical Review B</i> , 2014 , 90,	3.3	4
490	Pressure-induced superconductivity in LaFeAsO: The role of anionic height and magnetic ordering. 2014 , 105, 251902		6
489	First-Principles Investigation of Electronic Structure Features of TbOFeAs Compound. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 2617-2625	1.5	
488	Strong Electronic Correlations in Iron Pnictides: Comparison of Optical Spectra for BaFe ₂ As ₂ -Related Compounds. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 104703	1.5	21
487	Structural and Optothermal Properties of Iron Ditelluride Layered Structures in the Framework of the Lattice Compatibility Theory. 2014 , 2014, 1-6		7
486	Ultrafast above-transition-temperature resurrection of spin density wave driven by coherent phonon generation in BaFe ₂ As ₂ . 2014 , 16, 043010		3
485	Variable range hopping conductivity and spin glass behavior in spin-ladder Ba _{0.6} K _{0.4} Fe ₂ Se ₃ single crystals. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 026002	1.8	3
484	Antiferromagnetism in Iron-Based Superconductors: Selection of Magnetic Order and Quasiparticle Interference. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 061015	1.5	10
483	Two spatially separated phases in semiconducting Rb _{0.8} Fe _{1.5} S ₂ . <i>Physical Review B</i> , 2014 , 90,	3.3	17
482	Controlling factors of T _c dome structure in 1111-type iron arsenide superconductors. <i>Physical Review B</i> , 2014 , 89,	3.3	21
481	Site Preference of Rare Earth Doping in Palladium-Iron-Arsenide Superconductors. 2014 , 640, 3143-3147		1
480	Short-range cluster spin glass near optimal superconductivity in BaFe _{2-x} Ni _x As ₂ . <i>Physical Review B</i> , 2014 , 90,	3.3	40
479	Double magnetic resonance and spin anisotropy in Fe-based superconductors due to static and fluctuating antiferromagnetic orders. <i>Physical Review B</i> , 2014 , 89,	3.3	16
478	Magnetism and superconductivity in Sr ₂ VFeAsO ₃ revealed by 75As- and 51V-NMR under elevated pressures. <i>Physical Review B</i> , 2014 , 89,	3.3	10

477	Unconventional charge-density wave in Sr ₃ Ir ₄ Sn ₁₃ cubic superconductor revealed by optical spectroscopy study. <i>Physical Review B</i> , 2014 , 90,	3-3	31
476	Magnetic order and spin dynamics in La ₂ O ₂ Fe ₂ OSe ₂ probed by Fe ⁵⁷ Mössbauer, La ¹³⁹ NMR, and muon-spin relaxation spectroscopy. <i>Physical Review B</i> , 2014 , 90,	3-3	12
475	Anisotropic transport property anomaly in K _{0.8} Fe _{1.65} Se ₂ crystal. 2014 , 115, 143905		2
474	Magnetism of the Fe ²⁺ and Ce ³⁺ sublattices in Ce ₂ O ₂ FeSe ₂ : A combined neutron powder diffraction, inelastic neutron scattering, and density functional study. <i>Physical Review B</i> , 2014 , 90,	3-3	10
473	Iron-based high transition temperature superconductors. 2014 , 1, 371-395		128
472	Anisotropic neutron spin resonance in underdoped superconducting NaFe _{1-x} CoxAs. <i>Physical Review B</i> , 2014 , 90,	3-3	25
471	Evolution of anisotropic in-plane resistivity with doping level in Ca _{1-x} NaxFe ₂ As ₂ single crystals. <i>Physical Review B</i> , 2014 , 89,	3-3	10
470	Ising nematic fluid phase of hard-core dimers on the square lattice. <i>Physical Review B</i> , 2014 , 89,	3-3	4
469	Weak spin interactions in Mott insulating La ₂ O ₂ Fe ₂ OSe ₂ . <i>Physical Review B</i> , 2014 , 89,	3-3	38
468	First-principles study of the minimal model of magnetic interactions in Fe-based superconductors. <i>Physical Review B</i> , 2014 , 89,	3-3	26
467	Ultrasonic and microwave investigation of the structural and magnetic transitions in CaFe ₂ As ₂ and BaFe ₂ As ₂ single crystals. <i>Physical Review B</i> , 2014 , 89,	3-3	2
466	Structure and composition of the superconducting phase in alkali iron selenide KyFe _{1.6+x} Se ₂ . <i>Physical Review B</i> , 2014 , 89,	3-3	34
465	Symmetry of reentrant tetragonal phase in Ba _{1-x} NaxFe ₂ As ₂ : Magnetic versus orbital ordering mechanism. <i>Physical Review B</i> , 2014 , 90,	3-3	25
464	Phase separation, competition, and volume-fraction control in NaFe _{1-x} CoxAs. <i>Physical Review B</i> , 2014 , 90,	3-3	11
463	Quantum phase transition between the Z ₂ spin liquid and valence bond crystals on a triangular lattice. <i>Physical Review B</i> , 2014 , 89,	3-3	8
462	Emergence of magnetism and controlling factors of superconductivity in Li/Na-ammonia cointercalated FeSe _{1-x} Te _x . <i>Physical Review B</i> , 2014 , 90,	3-3	13
461	On the evaluation of specific heat from thermoelectric power. 2014 , 251, 877-881		1
460	Magnetic correlations and pairing in the 1/5-depleted square lattice Hubbard model. <i>Physical Review Letters</i> , 2014 , 113, 106402	7-4	10

459	Origin of structural and magnetic transitions in $\text{BaFe}_{1-2x}\text{Ru}_x\text{As}_2$ materials. 2014 , 27, 122003		16
458	Magnetic and structural relationship of RFe_2Si_2 and $\text{R}(\text{Fe}_{1-x}\text{M}_x)_2\text{Si}_2$ ($x = 0-1$) systems ($\text{R} = \text{La}, \text{Y}$ and Lu , $\text{M} = \text{Ni}, \text{Mn}$ and Cu). <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 476002	1.8	4
457	Andreev spectroscopy of iron-based superconductors: temperature dependence of the order parameters and scaling of $\Delta_{\text{L}, \text{S}}$ with T_{C} . 2014 , 57, 819-827		23
456	Antiferromagnetism in iron-based superconductors: magnetic order in the model of delocalized electrons. 2014 , 57, 807-813		
455	Two-fluid description for iron-based superconductors. 2014 , 16, 023001		7
454	Crystal structure and superconducting properties of hole-doped $\text{Ca}_{0.89}\text{Na}_{0.11}\text{FeAs}$ single crystals. 2014 , 27, 044011		10
453	Competing effective interactions of Dirac electrons in the Spin-Hermion system. 2014 , 340, 13-24		3
452	NMR Study on a Pnictide Superconductor $\text{LaFeAsO}_{1-x}\text{H}_x$ in a H-Overdoped Regime: Revival of Antiferromagnetic Fluctuations. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 933-936	1.5	3
451	Hole doping by pressure on the 1111 pnictides CaFeAsF and SrFeAsF . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 155702	1.8	6
450	Pseudogap formation above the superconducting dome in iron pnictides. <i>Physical Review B</i> , 2014 , 89,	3.3	63
449	Imaging the electron-boson coupling in superconducting FeSe films using a scanning tunneling microscope. <i>Physical Review Letters</i> , 2014 , 112, 057002	7.4	26
448	Ab initio study on the rare-earth iron-pnictides RFeAsO ($\text{R} = \text{Pr}, \text{Nd}, \text{Sm}, \text{Gd}$) in the low-temperature Cmma phase. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 045501	1.8	
447	Multiple andreev reflections spectroscopy of superconducting LiFeAs single crystals: Anisotropy and temperature behavior of the order parameters. 2014 , 98, 722-730		19
446	Magnetic Properties and Metamagnetic Transition in $\text{SmCo}_{1-x}\text{Fe}_x\text{AsO}$ ($0 \leq x \leq 0.2$). <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 805-810	1.5	
445	Electronic structure of iron-pnictide EuFe_2M_2 ($\text{M} = \text{As}, \text{P}$) compounds: A comparative ab initio study. 2014 , 84, 97-102		1
444	Visualization of electron nematicity and unidirectional antiferroic fluctuations at high temperatures in NaFeAs . 2014 , 10, 225-232		133
443	Bipartite magnetic parent phases in the iron oxypnictide superconductor. 2014 , 10, 300-303		96
442	Transport properties and electronic phase diagram of cobalt-doped 1111-type iron arsenide hydride. 2014 , 27, 065012		6

441	Lifshitz transition and chemical instabilities in Ba(1-x)K(x)Fe2As2 superconductors. <i>Physical Review Letters</i> , 2014 , 112, 156401	7.4	34
440	Dynamic competition between spin-density wave order and superconductivity in underdoped Ba(1-x)K(x)Fe2As2. <i>Nature Communications</i> , 2014 , 5, 3711	17.4	29
439	Magnetically driven suppression of nematic order in an iron-based superconductor. <i>Nature Communications</i> , 2014 , 5, 3845	17.4	133
438	Effect of Pnictogen Height on Spin Waves in Iron Pnictides. <i>Physical Review Letters</i> , 2014 , 112,	7.4	48
437	Synthesis, structure and properties of the oxychalcogenide series A4O4TiSe4 (A=Sm, Gd, Tb, Dy, Ho, Er and Y). 2014 , 210, 188-194		7
436	Superconductivity in Fe1+d Te0.9Se0.1 Induced by Deintercalation of Excess Fe Using Alcoholic Beverage Treatment. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 305-308	1.5	5
435	The magnetic moment enigma in Fe-based high temperature superconductors. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 473202	1.8	20
434	SmFeAsO Superconductor with Preferred Crystallographic Orientation and Enhanced Critical Current Density. 2014 , 97, 2099-2104		1
433	Strong coupling of the iron-quadrupole and anion-dipole polarizations in Ba(Fe(1-x)Co(x))2As2. <i>Physical Review Letters</i> , 2014 , 112, 077001	7.4	19
432	Magnetically stabilized Fe8(2-S)6S8 clusters in Ba6Fe25S27. 2014 , 43, 14612-24		6
431	Dramatic changes in the electronic structure upon transition to the collapsed tetragonal phase in CaFe2As2. <i>Physical Review B</i> , 2014 , 89,	3.3	45
430	Room-temperature half-metallicity in La(Mn,Zn)AsO alloy via element substitutions. 2014 , 136, 5664-9		73
429	(237)Np Mössbauer effect study on NpFeAsO. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 156002	1.8	2
428	Pressure suppression of electron correlation in the collapsed tetragonal phase of CaFe2As2: A DFT-DMFT investigation. <i>Physical Review B</i> , 2014 , 90,	3.3	24
427	La-Substituted CaFeAsH Superconductor with Tc = 47 K. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 033705	1.5	20
426	The electronic structure and magnetism of CaFeAs2: First principles calculations. 2014 , 200, 61-65		4
425	The effect of Cr impurity to superconductivity in electron-doped BaFe2-xNixAs2. 2014 , 27, 115003		11
424	Experimental determination of the finite-temperature phase diagram of a spin-orbit coupled Bose gas. 2014 , 10, 314-320		124

423	Direct Interplay between Superconductivity and Ferromagnetism in Fe _{1+y} (Te _{0.5} Se _{0.5}). <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 074709	1.5	1
422	Superconductivity. Nematic spin correlations in the tetragonal state of uniaxial-strained BaFe _(2-x) Ni _(x) As ₂ 2014 , 345, 657-60		144
421	Topological nonsymmorphic crystalline insulators. <i>Physical Review B</i> , 2014 , 90,	3.3	92
420	Selective attention. Long-range and local circuits for top-down modulation of visual cortex processing. 2014 , 345, 660-5		465
419	Emergent nesting of the Fermi surface from local-moment description of iron-pnictide high-T _c superconductors. <i>European Physical Journal B</i> , 2014 , 87, 1	1.2	9
418	Noncentrosymmetric chalcogenide NaBa ₄ Ge ₃ S ₁₀ Cl with large band gap and IR NLO response. 2014 , 2, 4590-4596		75
417	Study of Band Structure Properties of Pnictide LaO _{1-x} F _x FeAs (x = 0, 0.2) Superconducting Compound. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 1967-1972	1.5	
416	Influence on the T _c of Co and F Co-doping into SmFeAsO at Fe and O Site. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 2035-2039	1.5	4
415	Competing magnetic phases and field-induced dynamics in DyRuAsO. <i>Physical Review B</i> , 2014 , 90,	3.3	5
414	Superconductivity, antiferromagnetism, and neutron scattering. 2014 , 350, 148-160		45
413	Phonon anomalies, orbital-ordering and electronic raman scattering in iron-pnictide Ca(Fe _{0.97} Co _{0.03}) ₂ As ₂ : temperature-dependent Raman study. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 305403	1.8	8
412	Doping influence on Sm _{1-x} Th _x OFeAs superconducting properties: Observation of the effect of intrinsic multiple Andreev reflections and determination of the superconducting parameters. 2014 , 99, 136-145		9
411	Kramers non-magnetic superconductivity in LnNiAsO superconductors. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 425701	1.8	4
410	Orbital-selective superconductivity, gap anisotropy, and spin resonance excitations in a multiorbital t-J ₁ -J ₂ model for iron pnictides. <i>Physical Review B</i> , 2014 , 89,	3.3	46
409	Antiferromagnetism and its origin in iron-based superconductors (Review Article). 2014 , 40, 113-122		3
408	CuFeAs: A New Member in the 111-Family of Iron-Pnictides. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 054706	1.5	8
407	Superconductivity at 25 K under Hydrostatic Pressure for FeTe _{0.5} Se _{0.5} Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 1599-1602	1.5	4
406	Superconductivity in oxygen deficient LaNiAsO _{1-x} (x=0.3). 2014 , 601, 19-24		3

405	Bulk compound synthesis and oxygen deficiency effect on electronic and magnetic properties of the Zn-based oxyarsenide LaZnAsO _{1-x} 2014 , 582, 241-245		5
404	Relationship between Superconductivity and Antiferromagnetism in LaFe(As _{1-x} P _x)O Revealed by 31P-NMR. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 023707	1.5	23
403	Charge Density and Bonding Properties of LaFeAsO under Pressure. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 024716	1.5	1
402	Temperature-induced change in the Fermi surface topology in the spin density wave phase of Sr(Fe _{1-x} Cox) ₂ As ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	6
401	Electronic phase diagram in a new BiS ₂ -based Sr _{1-x} La _x FBiS ₂ system. 2014 , 27, 035009		22
400	Electron-phonon coupling in the superconducting single crystal Rb _{0.8} Fe _{1.68} Se ₂ . 2014 , 503, 25-28		3
399	Three new chalcogenides, Ba ₄ Ge ₂ Pb ₅ S ₈ Br ₂ , Ba ₄ Ge ₂ Pb ₅ Se ₈ Br ₂ and Ba ₄ Ge ₂ Sn ₅ S ₈ Br ₂ : Syntheses, crystal structures, band gaps, and electronic structures. 2014 , 611, 422-426		2
398	High-Temperature Superconductors. 2015 , 145-201		0
397	Magnetic ground state of superconducting Eu(Fe _{0.88} Ir _{0.12}) ₂ As ₂ : A combined neutron diffraction and first-principles calculation study. <i>Physical Review B</i> , 2015 , 91,	3.3	27
396	Spectroscopic evidence for strong quantum spin fluctuations with itinerant character in YFe ₂ Ge ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	18
395	Crystal growth and electronic phase diagram of 4d-doped Na _{1-x} Fe _{1-x} Rh _x As in comparison to 3d-doped Na _{1-x} Fe _{1-x} CoxAs. <i>Physical Review B</i> , 2015 , 91,	3.3	13
394	Doping SrTiO ₃ supported FeSe by excess atoms and oxygen vacancies. <i>Physical Review B</i> , 2015 , 92,	3.3	21
393	Neutron investigation of the magnetic scattering in an iron-based ferromagnetic superconductor. <i>Physical Review B</i> , 2015 , 92,	3.3	21
392	Nematic state stabilized by off-site Coulomb interaction in iron-based superconductors. <i>Physical Review B</i> , 2015 , 92,	3.3	3
391	Isotropic in-plane quenched disorder and dilution induce a robust nematic state in electron-doped pnictides. <i>Physical Review B</i> , 2015 , 92,	3.3	7
390	Electronic nematic correlations in the stress-free tetragonal state of BaFe _{2-x} NixAs ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	27
389	Spin-flop transition and magnetic phase diagram in CaCo ₂ As ₂ revealed by torque measurements. <i>Physical Review B</i> , 2015 , 92,	3.3	16
388	Ising-nematic order in the bilinear-biquadratic model for the iron pnictides. <i>Physical Review B</i> , 2015 , 92,	3.3	7

387	Energy dependence of the spin excitation anisotropy in uniaxial-strained BaFe _{1.9} Ni _{0.1} As ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	16
386	Doping-enhanced antiferromagnetism in Ca _{1-x} LaxFeAs ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	35
385	Itinerancy-enhanced quantum fluctuation of magnetic moments in iron-based superconductors. <i>Physical Review Letters</i> , 2015 , 115, 117001	7.4	26
384	Strong Coupling Superconductivity in the Vicinity of the Structural Quantum Critical Point in (Ca(x)Sr(1-x)) ₂ As ₂ . <i>Physical Review Letters</i> , 2015 , 115, 207003	7.4	30
383	Static and dynamical magnetic properties of the itinerant ferromagnet LaCo ₂ P ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	13
382	Temperature and composition phase diagram in the iron-based ladder compounds Ba _{1-x} CsxFe ₂ Se ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	13
381	Two kinds of in-plane resistivity anisotropy in Fe _{1+x} Te (x=0.09) as seen via synchrotron radiation x-ray diffraction and in situ resistivity measurements. <i>Physical Review B</i> , 2015 , 91,	3.3	4
380	Chemical doping and high-pressure studies of layered Fe ₂ Bi ₂ single crystals. <i>Physical Review B</i> , 2015 , 92,	3.3	15
379	Iron-Based Superconductors – A New Class of High-Temperature Superconductors. 2015 , 459-488		
378	Hydrogen-Substituted Superconductors SmFeAsO(1-x)H _x Misidentified As Oxygen-Deficient SmFeAsO(1-x). 2015 , 54, 11567-73		11
377	Study of Iron-Based Superconductor by Means of X-ray, Neutron, Muon Beams. 2015 , 57, 5-12		
376	. 2015 ,		22
375	Magnetic Structures. 2015 , 203-290		1
374	Group Theory of Wannier Functions Providing the Basis for a Deeper Understanding of Magnetism and Superconductivity. 2015 , 7, 561-598		8
373	Liu et al. reply. <i>Physical Review Letters</i> , 2015 , 114, 099702	7.4	2
372	Orbital nematic order and interplay with magnetism in the two-orbital Hubbard model. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 225602	1.8	9
371	Electronic Structures and Magnetism of CaFeAsH and CaFeAsF. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 054708	1.5	2
370	Synthesis, Structure, and Phase Diagram of Iron-Based Superconductors: Bulk. <i>Springer Series in Materials Science</i> , 2015 , 21-71	0.9	

369	Neutron scattering study of magnetic Fe _{1+d} Te thin films grown under tensile stress. <i>Physica B: Condensed Matter</i> , 2015 , 474, 53-56	2.8	3
368	Antiferromagnetic order and spin dynamics in iron-based superconductors. 2015 , 87, 855-896		410
367	STM/STS study of the superconducting gap in SmFeAsO 1- δ F x. 2015 , 204, 33-36		1
366	Spin-reorientation transition in CeMnAsO. 2015 , 54, 1178-84		6
365	Magnetic and structural transitions of SrFe ₂ As ₂ at high pressure and low temperature. 2014 , 4, 3685		19
364	Weak ferromagnetism of Cu _x Fe _{1+y} As and its evolution with Co doping. <i>Physical Review B</i> , 2015 , 91,	3.3	5
363	Superconductivity at 52 K in hydrogen-substituted LaFeAsO(1-x)H _x under high pressure. 2015 , 5, 7829		26
362	Transport and pinning properties of Ag-doped FeSe _{0.94} . 2015 , 28, 025013		17
361	Quantum critical behavior in heavily doped LaFeAsO1- δ H _x pnictide superconductors analyzed using nuclear magnetic resonance. <i>Physical Review B</i> , 2015 , 91,	3.3	17
360	The Role of Yttrium Doping on the Structural and Superconducting Properties of Sm1111 and Its Comparison with Other (RE, Y)1111 (RE (varvec{=}) La, Ce, and Nd) Iron Oxypnictides. 2015 , 178, 285-294		0
359	Doping effect on the physical properties of Li _x Fe _{2-x} As. 2015 , 29, 1550019		1
358	Magnetic neutron scattering studies on the Fe-based superconductor system Fe _{1+y} Te _{1-δ} Sex. 2015 , 358, 92-107		5
357	Electron Reconfiguration and Enhanced Phonon Activation in the Superconducting State of a FeSe _{0.3} Te _{0.7} Single Crystal, as Evidenced by Mössbauer Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 014701	1.5	2
356	Pressure induced lattice anomalies in pnictides. 2015 , 84, 28-33		
355	Calculation of the specific heat of optimally K-doped BaFe ₂ As ₂ . <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 335504	1.8	
354	Unified description of superconducting pairing symmetry in electron-doped Fe-based-122 compounds. <i>Physical Review B</i> , 2015 , 91,	3.3	1
353	Exploration of new superconductors and functional materials, and fabrication of superconducting tapes and wires of iron pnictides. 2015 , 16, 033503		141
352	An itinerant antiferromagnetic metal without magnetic constituents. <i>Nature Communications</i> , 2015 , 6, 7701	17.4	24

351	Structural and Magnetic Phase Transitions near Optimal Superconductivity in BaFe ₂ (As _{1-x} Px) ₂ . <i>Physical Review Letters</i> , 2015 , 114, 157002	7.4	42
350	Growth and characterization of millimeter-sized single crystals of CaFeAsF. 2015 , 28, 085008		14
349	Electronic and magnetic structures of ternary iron telluride KFe ₂ Te ₂ . 2015 , 10, 1-6		4
348	Reduced iron ordered moment and negative TC-pressure coefficient in iron-arsenide superconductors. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	
347	Magnetic states of iron-based superconducting compounds: A comparative study with Fe ₃ Al alloy. 2015 , 66, 646-650		2
346	Electronic structure and superconductivity of FeSe-related superconductors. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 183201	1.8	56
345	Electron Spectroscopy: ARPES. <i>Springer Series in Materials Science</i> , 2015 , 115-149	0.9	
344	Orbital textures and charge density waves in transition metal dichalcogenides. 2015 , 11, 328-331		147
343	Antiferromagnetic and nematic phase transitions in BaFe ₂ (As _{1-x} Px) ₂ studied by ac microcalorimetry and SQUID magnetometry. <i>Physical Review B</i> , 2015 , 91,	3.3	6
342	Crystal structure and phase diagrams of iron-based superconductors. 2015 , 58, 77-89		13
341	Four new chalcogenides, NaBa ₂ SnS ₄ Cl, KBa ₂ SnS ₄ Cl, KBa ₂ SnS ₄ Br and CsBa ₂ SnS ₄ Cl: Syntheses, crystal structures and optical properties. 2015 , 227, 104-109		13
340	Doping effect on electronic band structure and magnetic properties of MFeAs (M = Li, Na). 2015 , 04, 1550005		1
339	Crystal structure and physical properties of new transition metal based pnictide compounds: LaTM ₂ AsN (TM = Fe, Co, and Ni). 2015 , 3, 041509		1
338	Muon spin rotation study of the magnetic structure in the tetragonal antiferromagnetic state of weakly underdoped Ba _{1-x} K _x Fe ₂ As ₂ . 2015 , 111, 57001		28
337	In-gap bound states induced by interstitial Fe impurities in iron-based superconductors. 2015 , 519, 43-46		6
336	Magnetism and electronic structures of novel layered CaFeAs ₂ and Ca _{0.75} (Pr/La) _{0.25} FeAs ₂ . 2015 , 117, 17E113		7
335	Spin reorientation in Ba _{0.65} Na _{0.35} Fe ₂ As ₂ studied by single-crystal neutron diffraction. <i>Physical Review B</i> , 2015 , 91,	3.3	56
334	Doping evolution of antiferromagnetism and transport properties in nonsuperconducting BaFe _{2-x} Ni _x Cr _x As ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	11

333	Neutron spin resonance as a probe of superconducting gap anisotropy in partially detwinned electron underdoped NaFe _{0.985} Co _{0.015} As. <i>Physical Review B</i> , 2015 , 91,	3.3	6
332	New Superconductivity Dome in LaFeAsO 1 \times F x Accompanied by Structural Transition. 2015 , 32, 107401		27
331	Structure, magnetic order and excitations in the 245 family of Fe-based superconductors. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 023201	1.8	13
330	Characterization of Doped Na(Fe _{1 \times T x)As Single Crystals with T = Pd, Ni, Cr, and Mn. <i>Journal of Superconductivity and Novel Magnetism</i>, 2015, 28, 1123-1127}	1.5	3
329	Structural Distortion Stabilizing the Antiferromagnetic and Semiconducting Ground State of BaMn ₂ As ₂ . 2016 , 8, 99		3
328	Anomalous magnetism of superconducting Mg-doped InN film. 2016 , 6, 025118		3
327	Superconductivity in Iron Oxypnictide Induced by F-Doping. 2016 , 423-446		2
326	The cold neutron chopper spectrometer at the Spallation Neutron Source-A review of the first 8 years of operation. 2016 , 87, 093902		43
325	Electronic Structure and Magnetism of the Multiband New Superconductor CaRbFe ₄ As ₄ . <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 124714	1.5	8
324	Pressure Induced Stripe-Order Antiferromagnetism and First-Order Phase Transition in FeSe. <i>Physical Review Letters</i> , 2016 , 117, 237001	7.4	53
323	Pressure effect on iron-based superconductor LaFeAsOH: Peculiar response of 1111-type structure. 2016 , 6, 39646		23
322	Dynamics of phonons in Sr ₃ Ir ₄ Sn ₁₃ : an experimental study by ultrafast spectroscopy measurements. 2016 , 18, 073045		5
321	Self-hole-doping-induced superconductivity in KCa ₂ Fe ₄ As ₄ F ₂ . 2016 , 116, 37003		27
320	First-principles investigation of mechanical and electronic properties of MFeAs (M = Cu, Li, and Na). 2016 , 120, 235103		7
319	New superconductivity dome in LaFeAsO 1 \times F x far away from magnetism and accompanied by structural transition. 2016 , 237, 1		1
318	Metamorphoses of electronic structure of FeSe-based superconductors (Review Article). 2016 , 42, 995-1007		34
317	High spin polarization and the origin of unique ferromagnetic ground state in CuFeSb. 2016 , 108, 242411		4
316	NMR study of nematic spin fluctuations in a detwinned single crystal of underdoped Ba(Fe _{1 \times Cox)2As₂. <i>Physical Review B</i>, 2016, 94,}	3.3	10

315	Spin anisotropy due to spin-orbit coupling in optimally hole-doped Ba _{0.67} K _{0.33} Fe ₂ As ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	15
314	Dielectric properties of TbMnO ₃ ceramics doped with Bi and Fe ions. 2016 , 6, 811-816		5
313	Electronic structures of doped BaFe ₂ As ₂ materials: virtual crystal approximation versus super-cell approach. <i>European Physical Journal B</i> , 2016 , 89, 1	1.2	9
312	The influence of the structural transition on magnetic fluctuations in NaFeAs. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 27LT01	1.8	2
311	Magnetic Properties of LnOFeAs Compounds from Anisotropic Heisenberg Model. 2016 , 86, 279-284		
310	Magnetic Field Dependence of Specific Heat in KFe ₂ As ₂ Single Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 1279-1286	1.5	6
309	Temperature dependence of resistivity of RFeAsO compounds. 2016 , 10, 75-81		3
308	Role of Sn impurity on electronic topological transitions in 122 Fe-based superconductors. 2016 , 677, 245-251		6
307	Modulated magnetism and anomalous electronic transport in Ce ₃ Cu ₄ As ₄ O ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	1
306	Model study of coexistence of Jahn-Teller distortion, antiferromagnetism and superconductivity in iron pnictide superconductors. 2016 , 248, 53-59		2
305	Strong magnetoelastic coupling at the transition from harmonic to anharmonic order in NaFe(WO ₄) ₂ with 3d ⁵ configuration. <i>Physical Review B</i> , 2016 , 94,	3.3	9
304	Temperature-Dependent As K-Edge EXAFS Studies of LaFe _{1-x} Co _x AsO (x = 0.0 and 0.11) Single Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 3041-3047	1.5	3
303	Heavy electron doping induced antiferromagnetic phase as the parent for the iron oxypnictide superconductor LaFeAsO _{1-x} H _x . <i>Physical Review B</i> , 2016 , 94,	3.3	13
302	First-Principles Investigation of NdFe ₂ Ge ₂ . 2016 , 5, P518-P520		
301	ThFeAsN in relation to other iron-based superconductors. 2016 , 687, 786-789		11
300	Coexistence and competition of spin-density-wave and superconducting order parameters in iron-based superconductors. 2016 , 380, 2685-2692		5
299	Spin excitations in optimally P-doped BaFe ₂ (As _{0.7} P _{0.3}) ₂ superconductor. <i>Physical Review B</i> , 2016 , 94,	3.3	14
298	Dynamical Scattering and Electron Channeling in Orthorhombic and Tetragonal LaFeAsO. 2016 , 120, 18931-18938		1

297	Enhanced superconductivity in surface-electron-doped iron pnictide Ba(FeCo)As. 2016 , 15, 1233-1236		12
296	Strong correlations between vacancy and magnetic ordering in superconducting $K0.8Fe2AsSe2$. <i>Physical Review B</i> , 2016 , 94,	3-3	4
295	Resonant inelastic x-ray scattering study of entangled spin-orbital excitations in superconducting $PrFeAsO0.7$. <i>Physical Review B</i> , 2016 , 94,	3-3	8
294	Observation of high- T_c superconductivity in rectangular FeSe/SrTiO ₃ (110) monolayers. <i>Physical Review B</i> , 2016 , 94,	3-3	40
293	Doping dependence and electron-boson coupling in the ultrafast relaxation of hot electron populations in $Ba(Fe_{1-x}Co_x)2As2$. 2016 , 18, 093028		3
292	Direct Gap Semiconductors $Pb2BiS2I3$, $Sn2BiS2I3$, and $Sn2BiSI5$. 2016 , 28, 7332-7343		16
291	Phonon density of states of single-crystal $SrFe2As2$ across the collapsed phase transition at high pressure. <i>Physical Review B</i> , 2016 , 94,	3-3	5
290	Disentangling the surface and bulk electronic structures of $LaOFeAs$. <i>Physical Review B</i> , 2016 , 94,	3-3	4
289	Pnictide-height dependent ferromagnetism in $CuFeAs$ and $CuFeSb$. 2016 , 686, 38-42		3
288	Structural and magnetic phase transitions in $Ca0.73La0.27FeAs2$ with electron-overdoped FeAs layers. <i>Physical Review B</i> , 2016 , 93,	3-3	31
287	Structure and magnetic properties of $LnMnSbO$ ($Ln=La$ and Ce). <i>Physical Review B</i> , 2016 , 93,	3-3	11
286	Phase transitions in a frustrated biquadratic Heisenberg model with coupled orbital degrees of freedom for iron-based superconductors. <i>Physical Review B</i> , 2016 , 93,	3-3	5
285	Magnetic and Ising quantum phase transitions in a model for isoelectronically tuned iron pnictides. <i>Physical Review B</i> , 2016 , 93,	3-3	6
284	Composition-induced structural instability and strong-coupling superconductivity in $Au_{1-x}PdxTe2$. <i>Physical Review B</i> , 2016 , 93,	3-3	19
283	Strain-activated structural anisotropy in $BaFe2As2$. <i>Physical Review B</i> , 2016 , 93,	3-3	2
282	Nematic antiferromagnetic states in bulk FeSe. <i>Physical Review B</i> , 2016 , 93,	3-3	16
281	Electron doping evolution of the magnetic excitations in $NaFe_{1-x}Co_xAs$. <i>Physical Review B</i> , 2016 , 93,	3-3	10
280	Comparative study of thermodynamic properties near the structural phase transitions in $Sr3Rh4Sn13$ and $Sr3Ir4Sn13$. <i>Physical Review B</i> , 2016 , 93,	3-3	12

279	Orbital Selective Spin Excitations and their Impact on Superconductivity of $\text{LiFe}_{1-x}\text{Co}_x\text{As}$. <i>Physical Review Letters</i> , 2016 , 116, 247001	7.4	28
278	Spin Ferroquadrupolar Order in the Nematic Phase of FeSe. <i>Physical Review Letters</i> , 2016 , 116, 247203	7.4	26
277	Nearly critical spin and charge fluctuations in KFe_2As_2 observed by high-pressure NMR. <i>Physical Review B</i> , 2016 , 93,	3.3	16
276	Impact of uniaxial pressure on structural and magnetic phase transitions in electron-doped iron pnictides. <i>Physical Review B</i> , 2016 , 93,	3.3	24
275	Effect of external magnetic field on the coexistence of superconductivity and JT distortion in iron pnictides. 2016 , 248, 110-114		6
274	Assessing exchange-correlation functional performance for structure and property predictions of oxyfluoride compounds from first principles. <i>Physical Review B</i> , 2016 , 94,	3.3	22
273	Competing superconducting channels in iron pnictides from the strong coupling theory with biquadratic spin interactions. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 495702	1.8	2
272	Suppression of superconductivity and structural phase transitions under pressure in tetragonal FeS . 2016 , 6, 31077		10
271	Spatial competition of the ground states in 1111 iron pnictides. <i>Physical Review B</i> , 2016 , 94,	3.3	10
270	Electron doping evolution of structural and antiferromagnetic phase transitions in $\text{NaFe}_{1-x}\text{Co}_x\text{As}$ iron pnictides. <i>Physical Review B</i> , 2016 , 94,	3.3	12
269	High-temperature superconductivity in iron pnictides and chalcogenides. 2016 , 1,		246
268	Theoretical study of orbital ordering induced structural phase transition in iron pnictides. 2016 ,		1
267	Superconductivity in Undoped CaFe_2As_2 Single Crystals. 2016 , 33, 067402		8
266	Interdependence of spin structure, anion height and electronic structure of BaFe_2As_2 . 2016 ,		
265	A Variable Temperature Synchrotron X-ray Diffraction Study of Colossal Magnetoresistant $\text{NdMnAsO}_{0.95}\text{F}_{0.05}$. 2016 , 6, 20705		2
264	Observation of anomalous admixture of superconducting and magnetic fractions in $\text{BaFe}_{2-x}\text{Co}_x\text{As}_2$ single crystals. 2016 , 18, 063025		3
263	Pd site doping effect on superconductivity in $\text{Nb}_2\text{Pd}_{0.76}\text{S}_5$. 2016 , 113, 37006		3
262	Electronic structures and magnetism of YM_2Ge_2 ($M = \text{Mn}, \text{Ru}$): Ge-height dependent magnetic ordering in YFe_2Ge_2 . 2016 , 121, 48-53		4

261	The preparation and phase diagrams of $(7\text{Li}_{1-x}\text{FexOD})\text{FeSe}$ and $(\text{Li}_{1-x}\text{FexOH})\text{FeSe}$ superconductors. 2016 , 4, 3934-3941		28
260	$\text{BaCo}_4(\text{OH})_2(\text{H}_2\text{PO}_4)(\text{HPO}_4)_2(\text{PO}_4)$: Archimedean lattice T11 in distorted layers built from $\text{Co}_4\text{O}_{12}(\text{OH})_4$ squares. 2016 , 45, 8708-11		1
259	Quasi-Two-Dimensional Magnetism in Co-Based Shandites. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 064706	1.5	17
258	Normal state electronic properties of $\text{LaO}_{1-x}\text{FxBiS}_2$ superconductors. <i>Physica B: Condensed Matter</i> , 2016 , 488, 32-42	2.8	1
257	Interplay of iron and rare-earth magnetic order in rare-earth iron pnictide superconductors under magnetic field. <i>Chinese Physics B</i> , 2016 , 25, 027401	1.2	1
256	Structural, elastic, electronic and optical properties of platinum-based superconductor SrPt_3P under pressure: a first-principles study. 2016 , 96, 399-412		3
255	Anomalous magnetic properties of Mn-implanted InN thin films. 2016 , 618, 184-188		3
254	Magnetic interactions in iron superconductors: A review. 2016 , 17, 36-59		46
253	Structural transition and superconductivity in hydrothermally synthesized FeX ($\text{X} = \text{S}, \text{Se}$). 2016 , 52, 194-7		47
252	Electronic nematic susceptibility of iron-based superconductors. 2016 , 17, 90-112		78
251	The phase diagrams of iron-based superconductors: Theory and experiments. 2016 , 17, 5-35		35
250	Spin fluctuations in iron pnictides and chalcogenides: From antiferromagnetism to superconductivity. 2016 , 17, 60-89		63
249	Iron arsenide superconductors $(\text{CaFeAs})_{10}\text{MnAs}_8$ with metallic interlayers ($\text{M} = \text{Pt}, \text{Pd}; n = 3, 4$). 2017 , 254, 1600417		6
248	Mean-field state population study for iron-based superconductors. 2017 , 381, 808-812		
247	First-principles investigations on structure stability, elastic properties, anisotropy and Debye temperature of tetragonal LiFeAs and NaFeAs under pressure. 2017 , 104, 243-251		26
246	G-type magnetic order in ferropnictide $\text{Cu}_x\text{Fe}_{1-x}\text{As}$ induced by hole doping on As sites. <i>Physical Review B</i> , 2017 , 95,	3.3	1
245	Effects of Fluorine Doping and Pressure on the Electronic Structure of $\text{LaO}_{1-x}\text{FxFeAs}$ Superconductor: a First Principle Study. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 2065-2071 ¹	1.5	2071 ¹
244	Anomalous phonon behavior in superconducting $\text{CaKFe}_4\text{As}_4$: An optical study. <i>Physical Review B</i> , 2017 , 95,	3.3	20

243	Uniaxial pressure effect on the magnetic ordered moment and transition temperatures in $\text{BaFe}_{2-x}\text{TxA}_2$ (T=Co,Ni). <i>Physical Review B</i> , 2017 , 95,	3.3	20
242	Theory of Laser-Controlled Competing Superconducting and Charge Orders. <i>Physical Review Letters</i> , 2017 , 118, 087002	7.4	57
241	Effect of external magnetic field on the coexistence of SC and AFM in iron based superconductors. 2017 , 254, 6-9		2
240	Experimental Evidence for Static Charge Density Waves in Iron Oxypnictides. <i>Physical Review Letters</i> , 2017 , 118, 055701	7.4	11
239	Theoretical Study of Electronic and Magnetic Properties of Newly Derived Iron Pnictide Compound. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 2043-2051	1.5	1
238	Alex and the Origin of High-Temperature Superconductivity. <i>Springer Series in Materials Science</i> , 2017 , 35-46	0.9	2
237	Neutron powder diffraction study on the iron-based nitride superconductor ThFeAsN . 2017 , 117, 57005		12
236	Superconductivity and magnetic fluctuations developing in the vicinity of strong first-order magnetic transition in CrAs . <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 234002	1.8	7
235	Tetrahedral Transition Metal Chalcogenides as Functional Inorganic Materials. 2017 , 29, 5737-5752		17
234	Strong anisotropy effect in an iron-based superconductor $\text{CaFe}_{0.882}\text{Co}_{0.118}\text{AsF}$. 2017 , 30, 074003		7
233	Hole doping effect on the electronic structure of layered oxypnictide LaOMnAs . 2017 , 220, 58-60		1
232	On the Coexistence of Superconductivity and Magnetic Ordering in Unconventional Superconductors. 2017 , 47, 151-156		
231	Superconductivity and magnetism in iron sulfides intercalated by metal hydroxides. 2017 , 8, 3781-3788		30
230	Superconductivity on the verge of electronic topological transition in Fe based superconductors. 2017 , 103, 170-178		3
229	Fishtail Effect and the Upper Critical Field in a Superconducting $\text{Ca}_{1-x}(\text{Pt}_{4-x}\text{As}_8)(\text{Fe}_{2-x}\text{Pt}_x\text{As}_2)_5$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 2963-2969	1.5	0
228	Magnetism and thermodynamics of the anisotropic frustrated spin-1 Heisenberg antiferromagnet on a body-centered cubic lattice. 2017 , 251, 79-87		5
227	Soft phonon modes in the vicinity of the structural quantum critical point. <i>Physical Review B</i> , 2017 , 95,	3.3	7
226	Orbital order and fluctuations in the two-leg ladder materials BaFe_2X_3 (X=S and Se) and CsFe_2Se_3 . <i>Physical Review B</i> , 2017 , 96,	3.3	21

225	Frustration-driven singlet superconductivity in the one-dimensional $t\text{-}J_1\text{-}J_2$ model with positive interactions. 2017 , 55, 1888-1893		2
224	Multigap superconductivity in ThAsFeN investigated using μ SR measurements. <i>Physical Review B</i> , 2017 , 96,	3-3	19
223	Robust short-range-ordered nematicity in FeSe evidenced by high-pressure NMR. <i>Physical Review B</i> , 2017 , 96,	3-3	15
222	Unified Phase Diagram for Iron-Based Superconductors. <i>Physical Review Letters</i> , 2017 , 119, 157001	7-4	29
221	Ru doping in iron-based pnictides: The "unfolded" dominant role of structural effects for superconductivity. <i>Physical Review B</i> , 2017 , 95,	3-3	9
220	Longitudinal modes of spin fluctuations in iron-based superconductors. <i>Physical Review B</i> , 2017 , 96,	3-3	2
219	Addressed realization of multication complex arrangements in metal-organic frameworks. 2017 , 3, e1700773		32
218	Spin-wave excitations in the SDW state of iron pnictides: A comparison between the roles of interaction parameters. 2017 , 122, 073906		1
217	Possible superconductivity in chemically doped CrSb1 + δ 2017 , 11, 1700211		1
216	Mechanism of the high transition temperature for the 1111-type iron-based superconductors RFeAsO (R=rareearth): Synergistic effects of local structures and 4f electrons. <i>Physical Review B</i> , 2017 , 96,	3-3	4
215	Quasiparticle interference in multiband superconductors with strong coupling. <i>Physical Review B</i> , 2017 , 96,	3-3	3
214	Pair-checkerboard antiferromagnetic order in Be_4Se_5 with 5 β -ordered Fe vacancies. <i>Physical Review B</i> , 2017 , 95,	3-3	1
213	Possible bicollinear nematic state with monoclinic lattice distortions in iron telluride compounds. <i>Physical Review B</i> , 2017 , 96,	3-3	6
212	Superconductivity, charge-density waves, antiferromagnetism, and phase separation in the Hubbard-Holstein model. <i>Physical Review B</i> , 2017 , 96,	3-3	25
211	Band structure and Fermi surfaces of the reentrant ferromagnetic superconductor Eu(Fe _{0.86} Ir _{0.14}) ₂ As ₂ . <i>Physical Review B</i> , 2017 , 96,	3-3	
210	Indirect K-edge bimagnon resonant inelastic x-ray scattering spectrum of β -FeTe. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 505802	1-8	1
209	Unified spin model for magnetic excitations in iron chalcogenides. <i>Physical Review B</i> , 2017 , 96,	3-3	0
208	High pressure growth and electron transport properties of superconducting SmFeAsO _{1-x} Hx single crystals. 2017 , 5, 357-363		10

207	Raman and X-ray diffraction studies of superconducting FeTe _{1-x} Sex compounds. <i>Journal of Physics: Conference Series</i> , 2017 , 836, 012046	0.3	0
206	Phase Diagram and Magnetic Excitations of BaFe _{2-x} NixAs ₂ : A Neutron Scattering Study. <i>Springer Theses</i> , 2017 ,	0.1	0
205	Antiferromagnetic structure and electronic properties of BaCr ₂ As ₂ and BaCrFeAs ₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	23
204	Bipartite stripe-like order of magneto-crystalline structure in Fe-based superconductors. 2017 , 185, 122-128		
203	Nematicity in LaFeAsO _{1-x} Fx. 2017 , 254, 1600214		5
202	Composite symmetry-protected topological order and effective models. <i>Physical Review B</i> , 2017 , 96,	3.3	3
201	Spin excitation anisotropy in the optimally isovalent-doped superconductor BaFe ₂ (As _{0.7} P _{0.3}) ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	11
200	Effect of Pressure on the Interplay Between Orbital and Magnetic Ordering, Kondo Effect, Valence Fluctuations, and Superconductivity in Rare-Earth Compounds. 2017 , 51, 1-109		1
199	Comparative Review on Thin Film Growth of Iron-Based Superconductors. 2017 , 2, 25		13
198	Inter-comparison of electric and magnetic behaviour of superconducting quaternary oxy-pnictide compounds. 2017 , 171, 012153		
197	Antiferroic electronic structure in the nonmagnetic superconducting state of the iron-based superconductors. 2017 , 3, e1700466		10
196	Winding numbers of nodal points in Fe-based superconductors. <i>Physical Review B</i> , 2018 , 97,	3.3	2
195	Specific Heat Investigation in Iron-Based Superconductors. <i>Spin</i> , 2018 , 08, 1850001	1.3	1
194	Electronic Properties and Lattice Dynamics Studies of the Nickel-Based Superconductor ThNiAsN. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018 , 31, 3153-3158	1.5	0
193	Pressure induced superconductivity bordering a charge-density-wave state in NbTe with strong spin-orbit coupling. 2018 , 8, 6298		11
192	Recent progress in thin-film growth of Fe-based superconductors: superior superconductivity achieved by thin films. 2018 , 31, 093001		32
191	Observation of direct evolution from antiferromagnetism to superconductivity in Cu _{1-x} LixFeAs (0 ≤ x ≤ 1.0). <i>Physical Review B</i> , 2018 , 97,	3.3	1
190	Fermi Surface with Dirac Fermions in CaFeAsF Determined via Quantum Oscillation Measurements. <i>Physical Review X</i> , 2018 , 8,	9.1	16

189	Source-Free Exchange-Correlation Magnetic Fields in Density Functional Theory. 2018 , 14, 1247-1253		15
188	Spin-isotropic continuum of spin excitations in antiferromagnetically ordered Fe _{1.07} Te. <i>Physical Review B</i> , 2018 , 97,	3-3	6
187	Cooper Pairing in A Doped 2D Antiferromagnet with Spin-Orbit Coupling. 2018 , 8, 892		3
186	Hidden phase in parent Fe-pnictide superconductors. <i>Physical Review B</i> , 2018 , 97,	3-3	8
185	Evidence for negative thermal expansion in the superconducting precursor phase SmFeAsO. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 095601	1.8	2
184	Synthesis, Structure, and Optical Properties of Antiperovskite-Derived BaMQX (M = As, Sb; Q = S, Se; X = Cl, Br, I) Chalcogenides. 2018 , 57, 1449-1454		13
183	Magnetic State of Quasioderred Fe _{1-x} Al Alloys Doped with Ga and B: Magnetic Phase Separation and Spin Order. 2018 , 60, 730-737		
182	Pressure induced superconductivity in very lightly doped LaFeAsO _{0.975} F _{0.025} . <i>Physica B: Condensed Matter</i> , 2018 , 536, 827-829	2.8	1
181	Nematicity, magnetism and superconductivity in FeSe. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 023001	1.8	100
180	Solid state single crystal growth of three-dimensional faceted LaFeAsO crystals. 2018 , 483, 9-15		13
179	Effect of electron correlations on spin excitation bandwidth in Ba _{0.75} K _{0.25} Fe ₂ As ₂ as seen via time-of-flight inelastic neutron scattering. <i>Physical Review B</i> , 2018 , 97,	3-3	5
178	Nesting-induced local electronic patterns around a single As (Te, Se) vacancy in iron-based superconductors. 2018 , 20, 052001		
177	A new mathematical approach to finding global solutions of the magnetic structure determination problem. 2018 , 8, 16228		1
176	A doping dependent study of interplay between magnetic and superconducting properties in BaFe _{2-x} CoxAs ₂ single crystals. <i>Journal of Physics: Conference Series</i> , 2018 , 969, 012075	0-3	
175	Gapless magnetic excitation in a heavily electron-doped antiferromagnetic phase of LaFeAsO _{0.5} D _{0.5} . <i>Physical Review B</i> , 2018 , 98,	3-3	1
174	Control of competing superconductivity and charge order by nonequilibrium currents. <i>Physical Review B</i> , 2018 , 98,	3-3	7
173	Significant change in the electronic behavior associated with structural distortions in monocrystalline SrAg ₄ As ₂ . <i>Physical Review B</i> , 2018 , 98,	3-3	5
172	Quasi-one-dimensional nanoscale modulation as sign of nematicity in iron pnictides and chalcogenides. <i>Physical Review B</i> , 2018 , 98,	3-3	2

171	c-axis pressure-induced antiferromagnetic order in optimally P-doped BaFe ₂ (As _{0.70} P _{0.30}) ₂ superconductor. <i>Npj Quantum Materials</i> , 2018 , 3,	5	1
170	Evidence of a structural quantum critical point in (Ca _x Sr _{1-x}) ₃ Rh ₄ Sn ₁₃ from a lattice dynamics study. <i>Physical Review B</i> , 2018 , 98,	3.3	9
169	Sign-reversal superconducting gaps revealed by phase-referenced quasiparticle interference of impurity-induced bound states in (Li _{1-x} F _x)OHFe _{1-x} Zn _y Se. <i>Physical Review B</i> , 2018 , 98,	3.3	10
168	High-pressure phase diagram of NdFeAsO _{0.9} F _{0.1} : Disappearance of superconductivity on the verge of ferromagnetism from Nd moments. <i>Physical Review B</i> , 2018 , 98,	3.3	7
167	Charge Density Wave and Spin Density Wave in Two-Orbital Model for Iron-Based Superconductors. <i>Spin</i> , 2018 , 08, 1850007	1.3	
166	On the effect of non-stoichiometry on electronic and magnetic properties of BiOCuS layered oxysulfide: A preliminary consideration based on ab initio band structure simulations. 2018 , 16, e00306		
165	Magnetic Phase Separation and Magnetic Moment Alignment in Ordered Alloys Fe ₆₅ Al _{35-x} M _x (M _x = Ga, B; x = 0; 5 at.%). 2018 , 2018, 1-8		1
164	Application of geoelectric method for groundwater exploration from surface (A literature study). 2018 ,		5
163	Multi-band effects in in-plane resistivity anisotropy of strain-detwinned disordered Ba(FeRu)As. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 315601	1.8	5
162	Structural phase transition, antiferromagnetism and two superconducting domes in LaFeAsO _{1-x} F _x (0 ≤ x ≤ 1). 2018 , 61, 1		5
161	New iron-based multiferroics with improper ferroelectricity. 2018 , 51, 243002		4
160	Nodal-to-nodeless superconducting order parameter in LaFeAs _{1-x} P _x O synthesized under high pressure. <i>Npj Quantum Materials</i> , 2018 , 3,	5	1
159	Phase transition in CaFeAsH: bridging 1111 and 122 iron-based superconductors. 2018 , 47, 12964-12971		1
158	Magnetic tricritical point and nematicity in FeSe under pressure. <i>Physical Review B</i> , 2018 , 97,	3.3	11
157	Antiferromagnetic and spectral properties of two-orbital model of iron-based HTSC. <i>Journal of Physics: Conference Series</i> , 2019 , 1189, 012020	0.3	
156	Intertwined spin-orbital coupled orders in the iron-based superconductors. <i>Physical Review B</i> , 2019 , 100,	3.3	7
155	Template-free Synthesis of Stable Cobalt Manganese Spinel Hollow Nanostructured Catalysts for Highly Water-Resistant CO Oxidation. 2019 , 21, 19-30		5
154	A Self-Doped Oxygen-Free High-Critical-Temperature (High-) Superconductor: SmF ₂ FeAs. 2019 , 58, 15401-15409		

153	Powder diffraction of superconductors. 2019 , 868-884		
152	Highly-Tunable Crystal Structure and Physical Properties in FeSe-Based Superconductors. 2019 , 9, 560		2
151	Distinct pressure evolution of coupled nematic and magnetic orders in FeSe. <i>Physical Review B</i> , 2019 , 100,	3.3	9
150	Evolution from B _{2g} Nematics to B _{1g} Nematics in Heavily Hole-Doped Iron-Based Superconductors. <i>Physical Review Letters</i> , 2019 , 123, 146402	7.4	10
149	Superconducting properties of a mixed anion layered compound, Ca and F co-doped LaFeAsO with T _c = 31.5 K. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 030911	1.4	1
148	In-plane magnetic penetration depth in FeSe _{1-x} S _x (x = 0, 0.04, 0.09) and FeTe _{1-x} Se _x (x = 0.40) single crystals. 2019 , 92, 195-204		1
147	Detecting the orbital character of the spin fluctuation in the iron-based superconductors with the resonant inelastic X-ray scattering spectroscopy. 2019 , 125, 37002		1
146	Intertwined Spin and Orbital Density Waves in MnP Uncovered by Resonant Soft X-Ray Scattering. <i>Physical Review X</i> , 2019 , 9,	9.1	3
145	Unconventional Magnetization below 25 K in Nitrogen-doped Diamond provides hints for the existence of Superconductivity and Superparamagnetism. 2019 , 9, 8743		2
144	The local structure and magnetic correlations in La(Fe _{1-x} Mn _x)AsO system. 2019 , 134, 319-323		3
143	Interplay of Strain and Magnetism in FeSe Monolayers*. 2019 , 36, 056801		4
142	Electron-phonon coupling in FeB ₄ reexamined by maximally localized Wannier functions. 2019 , 563, 36-41		1
141	Physical properties of ThCr ₂ Si ₂ -type Ni-based compounds SrNi ₂ M ₂ (M= As and Ge): DFT based Ab-initio calculations. 2019 , 560, 19-25		1
140	Nematicity and structure in LaFe _{1-x} CoxAsO. 2019 , 482, 50-53		2
139	Competition between orthorhombic and re-entrant tetragonal phases in underdoped Ba _{1-x} K _x Fe ₂ As ₂ probed by the response to controlled disorder. <i>Physical Review B</i> , 2019 , 99,	3.3	3
138	Intertwined Magnetic and Nematic Orders in Semiconducting KFe _{0.8} Ag _{1.2} Te ₂ . <i>Physical Review Letters</i> , 2019 , 122, 087201	7.4	8
137	Theoretical investigation of the coexistence of superconductivity and spin density wave (SDW) in two-band model for the iron-based superconductor BaFe ₂ (As _{1-x} P _x) ₂ . <i>European Physical Journal B</i> , 2019 , 92, 1	1.2	3
136	Lifshitz transition in new doped 112 superconductors. 2019 , 107, 126-136		9

135	Neutron Powder Diffraction Study on the Non-Superconducting Phases of ThFeAsN $1-\hat{x}$ O x (x = 0.15, 0.6) Iron Pnictide*. 2019 , 36, 107403		0
134	Iron-Based Superconductors. 2019 , 1-20		
133	Effective exchange interactions for bad metals and implications for iron-based superconductors. <i>Physical Review B</i> , 2019 , 100,	3.3	4
132	Structural and Electronic Properties and Chemical Bonding in Layered 1111-Oxyarsenides LaRhAsO and LaIrAsO: AB Initio Simulation. 2019 , 60, 1859-1867		
131	Electronic Structure and Linhard Function of Iron-Based Superconductor La $0.5-\hat{x}$ Na $0.5+x$ Fe 2 As 2 . <i>Journal of Superconductivity and Novel Magnetism</i> , 2019 , 32, 855-861	1.5	0
130	Structural investigation of the Sm(Fe $1-\hat{x}$ Ru x)As(O 0.85 F 0.15) system: a synchrotron x-ray powder diffraction study. 2019 , 32, 015014		0
129	Electronic, Structural, and Magnetic Properties of Hole-Doped Iron-Based Superconductors Using First Principle Study. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 921-930	1.5	0
128	Studies on the origin of the interfacial superconductivity of SbTe/FeTe heterostructures. 2020 , 117, 221-227		9
127	Lattice dynamics of the topological Dirac semimetal LaAgSb 2 with charge density wave ordering. <i>Physical Review B</i> , 2020 , 102,	3.3	0
126	The phase transition of ThFe $1-x$ CoxAsN from superconductor to metallic paramagnet. 2020 , 130, 67003		3
125	Time-Resolved Study of Pseudogap and Superconducting Quasiparticle Dynamics in Ca 0.82 La 0.18 Fe $1-\hat{x}$ Ni x As 2 . 2020 , 37, 067401		1
124	Superconductivity in undoped BaFeAs by tetrahedral geometry design. 2020 , 117, 21170-21174		5
123	Characteristic Timescales of the Local Moment Dynamics in Hund's Metals. <i>Physical Review Letters</i> , 2020 , 125, 086402	7.4	9
122	Singular magnetic anisotropy in the nematic phase of FeSe. <i>Npj Quantum Materials</i> , 2020 , 5,	5	5
121	Elastoresistance measurements on CaKFe 4 As 4 and KCa 2 Fe 4 As 4 F 2 with the Fe site of C $2v$ symmetry. <i>Physical Review B</i> , 2020 , 102,	3.3	7
120	AFeSe 2 (A=Ti, K, Rb, or Cs): Iron-based superconducting analog of the cuprates. <i>Physical Review B</i> , 2020 , 101,	3.3	1
119	Fluctuations and pairing in Fe-based superconductors: light scattering experiments. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 413001	1.8	2
118	A new oxygen-free cobalt-based compound SmCoAsF with multiple magnetic transitions. 2020 , 22, 4268-4274		2

117	Structural, magnetic, and electronic evolution of the spin-ladder system BaFeS Se with isoelectronic substitution. <i>Physical Review B</i> , 2020 , 101,	3.3	3
116	Electron correlation induced orbital selective Lifshitz transition in new hybrid 12442 iron based superconductors. 2020 , 183, 109802		4
115	Magnetic fluctuation and suppression in high-temperature superconductor Ba(Fe _{1-x} Co _x) ₂ As ₂ . 2020 , 575, 1353703		
114	Pairing mechanism in multiband superconductors. 2020 , 10, 7439		1
113	Magnetism and superconductivity in FeTe Se. <i>Journal of Physics Condensed Matter</i> , 2019 , 32, 374003	1.8	5
112	Heavily Hydride-ion-doped 1111-type Iron-based Superconductors: Synthesis, Physical Properties and Electronic Structure. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 051006	1.5	6
111	Muon spin rotation and infrared spectroscopy study of Ba _{1-x} NaxFe ₂ As ₂ . <i>Physical Review B</i> , 2020 , 101,	3.3	1
110	Physical properties and pressure-induced superconductivity in the single-crystalline band insulator SnO. <i>Physical Review B</i> , 2020 , 101,	3.3	1
109	Electronic structure and spatial inhomogeneity of iron-based superconductor FeS. <i>Chinese Physics B</i> , 2020 , 29, 047401	1.2	3
108	Iron based chalcogenide and pnictide superconductors: From discovery to chemical ways forward. 2020 , 59, 100282		0
107	Using three-dimensional poly (vinyl alcohol)/sodium hexametaphosphate nanofiber as a non-toxic and efficient nanosorbent for extraction and recovery of Lanthanide ions from aqueous solutions. 2020 , 307, 112925		4
106	Spatial nematic fluctuation in BaFe ₂ (As _{1-x} P _x) ₂ revealed by spatially and angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2020 , 101,	3.3	0
105	Evidence for ferromagnetic order in the CoSb layer of LaCoSb ₂ . <i>Physical Review B</i> , 2020 , 101,	3.3	1
104	A recent review on iron-based superconductor. <i>Materials Today: Proceedings</i> , 2021 , 35, 207-215	1.4	1
103	Coexistence of Jahn-Teller effect and AFM in two-orbital model for s ⁻ -wave iron based superconductors. 2021 , 323, 114121		0
102	X-ray photoelectron spectroscopy study on YbFe ₂ As ₂ crystals prepared by different growth temperatures. <i>Physica B: Condensed Matter</i> , 2021 , 604, 412688	2.8	2
101	1144 Fe based superconductors: natural example of orbital selective self-doping and chemical pressure induced Lifshitz transition. 2021 , 186, 109991		4
100	Nodeless superconductivity in the charge density wave superconductor LaPt ₂ Si ₂ . <i>Physical Review B</i> , 2021 , 103,	3.3	1

99	Low Field Magnetic and Electric Transport Properties of LaFeAsO and Oxygen Deficiency of LaFeAsOx. 2021 , 50, 1090-1101		1
98	Emergence of a Pressure-Driven Superconducting Phase in BaNaTiSbO. 2021 , 60, 3585-3592		1
97	Breakdown of Hund's rule for CuFeAs. <i>Physical Review B</i> , 2021 , 103,	3-3	
96	Orbital driven two-dome superconducting phases in multiorbital superconductors. 2021 , 391, 127118		
95	Miscibility gap and possible intrinsic Griffiths phase in Sr(Fe _{1-x} Mnx)2As2 crystals grown by transition metal arsenide flux. <i>Physical Review B</i> , 2021 , 103,	3-3	2
94	Flat-band-induced itinerant ferromagnetism in RbCo2Se2. <i>Physical Review B</i> , 2021 , 103,	3-3	1
93	Kinetic 2D Crystals via Topochemical Approach. 2021 , 33, e2006043		1
92	Orbital Selectivity in Electron Correlations and Superconducting Pairing of Iron-Based Superconductors. 2021 , 9,		4
91	Two-orbital model for interference of pseudo-gaps in the superconducting state of iron-based superconductors. 2021 , 330, 114273		0
90	Uncovering double-stripe and plaquette antiferromagnetic states in the one-band Hubbard model on a frustrated square lattice. 2021 , 23, 053028		
89	Interplay between charge density wave and superconductivity in multiband systems with interband Coulomb interaction. <i>Physical Review B</i> , 2021 , 103,	3-3	0
88	Common (π) Band Folding and Surface Reconstruction in FeAs-Based Superconductors. 2021 , 38, 057404		3
87	Thermodynamic electric quadrupole moments of nematic phases from first-principles calculations. <i>Physical Review B</i> , 2021 , 103,	3-3	0
86	Coexistence of ferromagnetism, antiferromagnetism, and superconductivity in magnetically anisotropic (Eu,Lu)FeAs2. <i>Npj Quantum Materials</i> , 2021 , 6,	5	1
85	Electric Probe for the Toric Code Phase in Kitaev Materials through the Hyperfine Interaction. <i>Physical Review Letters</i> , 2021 , 127, 047201	7-4	0
84	Correlation of Tunable CoSi Tetrahedron with the Superconducting Properties of LaCoSi. 2021 , 60, 10880-10884		
83	Metal-insulator-like transition, superconducting dome and topological electronic structure in Ga-doped Re3Ge7. <i>Npj Quantum Materials</i> , 2021 , 6,	5	0
82	Magnetic excitations of diagonally coupled checkerboards. <i>Chinese Physics B</i> ,	1.2	0

81	Magnetic Field Effect on Topological Spin Excitations in CrI ₃ . <i>Physical Review X</i> , 2021 , 11,	9.1	2
80	Pressure induced superconductivity in MnSe. <i>Nature Communications</i> , 2021 , 12, 5436	17.4	1
79	Jahn-Teller Distortion in Two-Orbital Model for s'-Wave Iron-Based Superconductors. <i>Spin</i> , 2021 , 11, 2150006	1.3	0
78	Introduction to Fe-Based Superconductors. <i>Springer Series in Materials Science</i> , 2021 , 1-25	0.9	
77	Nernst Effect of Iron Pnictide and Cuprate Superconductors: Signatures of Spin Density Wave and Stripe Order. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2013 , 169-186	0.2	1
76	Mn substitution effect on the local structure of La(FeMn)AsO studied by temperature dependent x-ray absorption measurements. <i>Journal of Physics Condensed Matter</i> , 2020 ,	1.8	2
75	Eliashberg theory for spin fluctuation mediated superconductivity: Application to bulk and monolayer FeSe. <i>Physical Review B</i> , 2020 , 102,	3.3	12
74	Thermodynamic approach to electric quadrupole moments. <i>Physical Review B</i> , 2020 , 102,	3.3	1
73	Coexistence of antiferromagnetism and topological superconductivity on the honeycomb lattice Hubbard model. <i>Physical Review B</i> , 2020 , 102,	3.3	2
72	Exchange striction driven magnetodielectric effect and potential photovoltaic effect in polar CaOFeS. <i>Physical Review Materials</i> , 2017 , 1,	3.2	11
71	Magnetism and Superconductivity in Iron Pnictides. <i>Acta Physica Polonica A</i> , 2012 , 121, 999-1004	0.6	1
70	Modified Crystal Field Theory and its Applications. 2019 ,		2
69	New high-temperature superconductors based on rare earth and transition metal oxyarsenides and related phases: synthesis, properties and simulation. <i>Uspekhi Fizicheskikh Nauk</i> , 2008 , 178, 1273	0.5	23
68	FeAs systems: a new class of high-temperature superconductors. <i>Uspekhi Fizicheskikh Nauk</i> , 2008 , 178, 1307	0.5	24
67	Andreev spectroscopy of iron-based superconductors: temperature dependence of the order parameters and scaling of ρ_L , S with T_C . <i>Uspekhi Fizicheskikh Nauk</i> , 2014 , 184, 888-897	0.5	3
66	On the structure of the superconducting order parameter in high-temperature Fe-based superconductors. <i>Uspekhi Fizicheskikh Nauk</i> , 2017 , 187, 450-462	0.5	1
65	The Magnetoresistance in Iron-based Superconductors. <i>Journal of Magnetism</i> , 2011 , 16, 192-195	1.9	1
64	Single crystal growth and physical property study of 1111-type Fe-based superconducting system CaFeAsF. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018 , 67, 177401	0.6	2

63	Pressure-induced phenomena and physics in iron-based superconductors. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018 , 67, 207409	0.6	1
62	Recent Progress in Physics of High-Temperature Superconductors. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 010004	1.4	17
61	Nematic-like band splitting and crystal field splitting in newly discovered hybrid 12442 iron-based superconductors. <i>European Physical Journal B</i> , 2021 , 94, 1	1.2	1
60	Effective Model and Superconducting Mechanism of Iron Pnictides. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2009 , 19, 138-147	0	
59	. <i>Modern Physics</i> , 2011 , 01, 23-27	0	
58	Electronic structures cobalt group pnictides: BaT ₂ P ₂ and BaT ₂ As ₂ (T=Co, Rh, Ir). <i>Wuli Xuebao/Acta Physica Sinica</i> , 2011 , 60, 067101	0.6	
57	Orbital Ordering in Low-Moment Ground-State of Parent Compounds in Iron-Based Superconductors. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, SB022	1.5	
56	Iron-Based Superconductors. 2012 , 1-52		
55	Quantum Oscillations in Iron Pnictide Superconductors. 2012 , 125-159		1
54	Angle-Resolved Photoemission Spectroscopy of Iron Pnictides. 2012 , 89-124		
53	The Antiferromagnetic Phase of Iron-Based Superconductors. 2012 , 431-472		
52	Material Specific Model Hamiltonians and Analysis on the Pairing Mechanism. 2012 , 357-430		
51	Magnetism in Parent Compounds of Iron-Based Superconductors. 2012 , 473-512		
50	Optical Investigation on Iron-Based Superconductors. 2012 , 161-241		
49	Antiferromagnetic Spin Fluctuations in the Fe-Based Superconductors. 2012 , 243-274		
48	Antiferromagnetism in iron-based superconductors: magnetic order in the model of delocalized electrons. <i>Uspekhi Fizicheskikh Nauk</i> , 2014 , 184, 875-882	0.5	
47	Switching of Intra-orbital Spin Excitations in Electron-doped Iron Pnictide Superconductors. <i>Hamon</i> , 2014 , 24, 121-125	0	
46	Antiferromagnetic Phase in Heavily H-doped Superconductor LaFeAsO _{1-x} H _x . <i>Hamon</i> , 2014 , 24, 262-266	0	

45	Macroscopic Quantum System, Highly Correlated Electron State, and High-Temperature Superconductivity in Iron Pnictides. <i>Journal of Modern Physics</i> , 2014 , 05, 523-533	0.5	
44	Magnetic Order and Dynamics: Neutron Scattering. <i>Springer Series in Materials Science</i> , 2015 , 151-186	0.9	
43	First-Principles Studies in Fe-Based Superconductors. <i>Springer Series in Materials Science</i> , 2015 , 223-253	0.9	
42	Magnetic neutron scattering studies on the Fe-based superconductor system Fe _{1+y} Te _{1-x} Se _x . <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015 , 64, 097503	0.6	1
41	Electron correlations and orbital selectivities in multiorbital models for iron-based superconductors. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015 , 64, 217102	0.6	1
40	Itinerant Magnetic Order and Multiorbital Effects in Iron-Based Superconductors. <i>Springer Series in Solid-state Sciences</i> , 2017 , 7-51	0.4	
39	Iron-Based Superconductors. <i>Springer Theses</i> , 2017 , 9-27	0.1	
38	Pressure-induced metallic ferromagnetism in antiferromagnetic insulator LaMnAsO. <i>Journal of Physics: Conference Series</i> , 2017 , 827, 012013	0.3	
37	Angle-resolved photoemission studies on iron based high temperature superconductors. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018 , 67, 207413	0.6	2
36	Antiferromagnetic order and spin dynamics in iron-based superconductors. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018 , 67, 207407	0.6	1
35	Exploration and physical investigation of FeSe-based superconductors. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018 , 67, 207408	0.6	
34	Coexistence of structural and magnetic phases in van der Waals magnet CrI. <i>Nature Communications</i> , 2021 , 12, 6265	17.4	4
33	Trapping Majorana zero modes in vortices of magnetic texture crystals coupled to nodal superconductors. <i>Physical Review B</i> , 2021 , 104,	3.3	0
32	Tuning the structural and antiferromagnetic phase transitions in UCr ₂ Si ₂ : Hydrostatic pressure and chemical substitution. <i>Physical Review Materials</i> , 2020 , 4,	3.2	0
31	In-plane electronic anisotropy resulted from ordered magnetic moment in iron-based superconductors. <i>Physical Review Research</i> , 2020 , 2,	3.9	0
30	Decoupling of itinerant and localized d-orbital electrons in the compound ScZrCo. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 40LT01	1.8	
29	Iron-based magnetic superconductors EuFeAs (= Rb, Cs): Natural superconductor-ferromagnet hybrids. <i>Journal of Physics Condensed Matter</i> , 2021 ,	1.8	0
28	Phonon-Induced Pairing in Quantum Dot Quantum Simulator. <i>Nano Letters</i> , 2021 , 21, 9661-9667	11.5	0

27	Correlation-driven electronic reconstruction in FeTe _{1-x} Se _x . <i>Communications Physics</i> , 2022 , 5,	5.4	0
26	Evidence of strong correlation and magnetotransport scaling in YbFe ₂ As ₂ . <i>Physica B: Condensed Matter</i> , 2022 , 630, 413696	2.8	
25	Prediction of orbital-selective Mott phases and block magnetic states in the quasi-one-dimensional iron chain Ce ₂ O ₂ FeSe ₂ under hole and electron doping. <i>Physical Review B</i> , 2022 , 105,	3.3	0
24	Chemical pressure effects in ZrCuSiAs-type manganese-based compound ThMnSbN. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022 , 71, 046103	0.6	
23	Stripe phase in high-T _c superconductor FeSe/SrTiO ₃ . <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022 ,	0.6	
22	Interplay between Charge-Density-Wave, Superconductivity, and Ferromagnetism in Cu _{1-x} CrTe Chalcogenides.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2442-2451	6.4	1
21	Preferred Spin Excitations in the Bilayer Iron-Based Superconductor CaK(Fe _{0.96} Ni _{0.04}) ₄ As ₄ with Spin-Vortex Crystal Order.. <i>Physical Review Letters</i> , 2022 , 128, 137003	7.4	0
20	Future Study of Dense Superconducting Hydrides at High Pressure.. <i>Materials</i> , 2021 , 14,	3.5	2
19	First-principles study of the electronic structure of CaKRu ₄ P ₄ . <i>Physical Review B</i> , 2021 , 104,	3.3	
18	Imaging coherent phonons and precursor dynamics in LaFeAsO with 4D ultrafast electron microscopy. <i>Physical Review Materials</i> , 2022 , 6,	3.2	1
17	The Magnetic Suppression and Electronic Structure Evolution of K _{1-x} Fe ₂ Se ₂ with Different K Vacancy Concentration. <i>Journal of Superconductivity and Novel Magnetism</i> , 1	1.5	
16	Enhancement of superconductivity on the verge of a structural instability in isovalently doped BaThRh _{1-x} Ir _x Ge. <i>Npj Quantum Materials</i> , 2022 , 7,	5	0
15	Magnetic hard-direction ordering in anisotropic Kondo systems. <i>Physical Review B</i> , 2022 , 105,	3.3	
14	Multiple magnetic orders in LaFeAs _{1-x} P _x O uncover universality of iron-pnictide superconductors. <i>Communications Physics</i> , 2022 , 5,	5.4	0
13	Anomalous high-field magnetotransport in CaFeAsF due to the quantum Hall effect. <i>Npj Quantum Materials</i> , 2022 , 7,	5	0
12	First principle study of the electronic and structural properties of NaFeAs superconductor. <i>Materials Today: Proceedings</i> , 2022 ,	1.4	
11	First-principles study on the magnetic and electronic properties of the high-pressure orthorhombic phase of MnSe. 2022 , 106,		
10	Stronger quantum fluctuation with larger spins: Emergent magnetism in the pressurized high-temperature superconductor FeSe. 2022 , 4,		

- 9 Study of superconducting gap in presence of antiferromagnetism in iron pnictide superconductors. **2022**, 126, 103525
- 8 Superconductivity and magnetism in a novel $\text{La}_{0.85}\text{Ga}_{0.15}\text{FeAsO}$ compound. **2022**, 603, 1354139 ○
- 7 Electronic structure, magnetic order and Lifshitz transition in electron doped new structure 12442 type Fe-based superconductors. **2022**, 111085 ○
- 6 Nematicity and nematic fluctuations in iron-based superconductors. **2022**, 18, 1412-1419 ○
- 5 Simultaneously improving the hydrophobic property and flame retardancy of aluminum hypophosphite using rare earth based coupling agent for epoxy composites. ○
- 4 As75 NMR study of the antiferromagnetic Kondo lattice compound CeNiAsO . **2023**, 107, ○
- 3 Spin waves and phase transition on a magnetically frustrated square lattice with long-range interactions. **2023**, 18, ○
- 2 Tetragonal SnOFeSe : A possible parent compound of the FeSe-based superconductor. **2023**, 107, ○
- 1 Temperature dependent local inhomogeneity and magnetic moment in $(\text{Li}_{1-x}\text{Fe}_x\text{OHFeSe})$ superconductor. ○