

# Yixi Su

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1645457/yixi-su-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146  
papers

2,823  
citations

29  
h-index

46  
g-index

154  
ext. papers

3,236  
ext. citations

4  
avg, IF

4.76  
L-index

#	Paper	IF	Citations
146	Magnetic Field Induced Quantum Spin Liquid in the Two Coupled Trillium Lattices of $K_2Ni_2(SO_4)_3$ . <i>Physical Review Letters</i> , <b>2021</b> , 127, 157204	7.4	1
145	Soliton-Mediated Magnetic Reversal in an All-Oxide-Based Synthetic Antiferromagnetic Superlattice. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 20788-20795	9.5	0
144	Interplay of Dzyaloshinskii-Moriya and Kitaev interactions for magnonic properties of Heisenberg-Kitaev honeycomb ferromagnets. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
143	Magnetic ordering in the Ising antiferromagnetic pyrochlore $NdScNbO$ . <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,	1.8	4
142	Absence of moment fragmentation in the mixed B-site pyrochlore $Nd_2GaSbO_7$ . <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
141	Comparison of the temperature- and pressure-dependent behavior of the crystal structure of CrAs. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2021</b> , 77, 594-604	1.8	78
140	Reentrant Spin Glass and Large Coercive Field Observed in a Spin Integer Dimerized Honeycomb Lattice. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2004744	15.6	1
139	Clamp cells for high pressure neutron scattering at low temperatures and high magnetic fields at Heinz Maier-Leibnitz Zentrum (MLZ). <i>High Pressure Research</i> , <b>2021</b> , 41, 88-96	1.6	1
138	Structural Transformations and Magnetic Properties of Mixed Spinel-Type $NiCr_{1.7}Fe_{0.3}O_4$ Nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , <b>2021</b> , 258, 2100284	1.3	1
137	Topological magnon insulators in two-dimensional van der Waals ferromagnets $CrSiTe$ and $CrGeTe$ : Toward intrinsic gap-tunability. <i>Science Advances</i> , <b>2021</b> , 7, eabi7532	14.3	8
136	Disorder-induced broadening of the spin waves in the triangular-lattice quantum spin liquid candidate $YbZnGaO_4$ . <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	1
135	Evidence of anomalous conventional and spontaneous exchange bias, high coercivity in Fe doped $NiCrO$ spinel. <i>Dalton Transactions</i> , <b>2020</b> , 49, 4502-4517	4.3	7
134	Magnetic structures, spin-flop transition, and coupling of Eu and Mn magnetism in the Dirac semimetal $EuMnBi_2$ . <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	4
133	Neutron scattering study of commensurate magnetic ordering in single crystal $CeSb$ . <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 405605	1.8	1
132	Physical properties and magnetic structure of a layered antiferromagnet $PrPd_{0.82}Bi_2$ . <i>Chinese Physics B</i> , <b>2020</b> , 29, 067502	1.2	
131	In-plane uniaxial pressure-induced out-of-plane antiferromagnetic moment and critical fluctuations in $BaFeAs$ . <i>Nature Communications</i> , <b>2020</b> , 11, 5728	17.4	2
130	$NiCrAl$ Alloy for neutron scattering at high pressures. <i>Materials Science and Technology</i> , <b>2020</b> , 36, 949-954.5	4.5	2

129	Coexistence of Eu antiferromagnetism and pressure-induced superconductivity in single-crystal EuFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
128	Spiral magnetic ordering of the Eu moments in EuNi <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	5
127	Enhancement of Curie- and spin-spiral temperatures with doping Fe in multiferroic CoCr <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 488, 165378	2.8	15
126	Anisotropic exchange Hamiltonian, magnetic phase diagram, and domain inversion of Nd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	6
125	Coexistence of Ferromagnetic and Stripe Antiferromagnetic Spin Fluctuations in SrCo <sub>2</sub> As <sub>2</sub> . <i>Physical Review Letters</i> , <b>2019</b> , 122, 117204	7.4	11
124	Spin reorientation of the Fe moments in Eu <sub>0.5</sub> Ca <sub>0.5</sub> Fe <sub>2</sub> As <sub>2</sub> : Evidence for strong interplay of Eu and Fe magnetism. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
123	Intermultiplet transitions and magnetic long-range order in Sm-based pyrochlores. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	3
122	Revealing magnetic ground state of a layered cathode material by muon spin relaxation and neutron scattering experiments. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 203901	3.4	1
121	Universal critical behavior in the ferromagnetic superconductor Eu(Fe <sub>0.75</sub> Ru <sub>0.25</sub> ) <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	3
120	Plaquette instability competing with bicollinear ground state in detwinned FeTe. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	5
119	Noncollinear magnetic structure and anisotropic magnetoelastic coupling in cobalt pyrovanadate Co <sub>2</sub> V <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	6
118	Double-peak specific heat and spin freezing in the spin-2 triangular lattice antiferromagnet FeAl <sub>2</sub> Se <sub>4</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	1
117	Spin reorientation in FeCrAs revealed by single-crystal neutron diffraction. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
116	Spin-isotropic continuum of spin excitations in antiferromagnetically ordered Fe <sub>1.07</sub> Te. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	6
115	Cation distribution and magnetic properties of Zn-substituted CoCr <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 223905	2.5	16
114	Fluorine-free water-in-ionomer electrolytes for sustainable lithium-ion batteries. <i>Nature Communications</i> , <b>2018</b> , 9, 5320	17.4	48
113	Uniaxial and hydrostatic pressure effects in $\eta$ -RuCl <sub>3</sub> single crystals via thermal-expansion measurements. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 385702	1.8	5
112	Non-Fermi-liquid to Fermi-liquid transports in iron-pnictide Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> and the electronic correlation strength in superconductors newly probed by the normal-state Hall angle. <i>New Journal of Physics</i> , <b>2017</b> , 19, 033039	2.9	1

111	Honeycomb-lattice antiferromagnet Mn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> : a temperature-dependent x-ray diffraction, neutron diffraction and ESR study. <i>Materials Research Express</i> , <b>2017</b> , 4, 046101	1.7	5
110	Magnetism of monomer MnO and heterodimer FePt@MnO nanoparticles. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	4
109	Simulation and optimization of a new focusing polarizing bender for the diffuse neutrons scattering spectrometer DNS at MLZ. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 862, 012018	0.3	
108	All-oxide-based synthetic antiferromagnets exhibiting layer-resolved magnetization reversal. <i>Science</i> , <b>2017</b> , 357, 191-194	33.3	53
107	Magnetic properties and spin structure of MnO single crystal and powder. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 862, 012027	0.3	3
106	Hydrostatic pressure effects on the static magnetism in Eu(FeCo)As. <i>Scientific Reports</i> , <b>2017</b> , 7, 3532	4.9	6
105	Temperature and polarization dependence of low-energy magnetic fluctuations in nearly optimally doped NaFe <sub>0.9785</sub> Co <sub>0.0215</sub> As. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	3
104	Absence of magnetism in the superconductor Ba <sub>2</sub> Ti <sub>2</sub> Fe <sub>2</sub> As <sub>4</sub> O: Insights from inelastic neutron scattering measurements and ab initio calculations of phonon spectra. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	5
103	Spiral spin-liquid and the emergence of a vortex-like state in MnSc <sub>2</sub> S <sub>4</sub> . <i>Nature Physics</i> , <b>2017</b> , 13, 157-161	16.2	47
102	Magnetic excitations in the ground state of Yb <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	12
101	Orphan Spins in the S=5/2 Antiferromagnet CaFe <sub>2</sub> O <sub>4</sub> . <i>Physical Review Letters</i> , <b>2017</b> , 119, 257204	7.4	9
100	Magnetic structures of the Eu and Cr moments in EuCr <sub>2</sub> As <sub>2</sub> : Neutron diffraction study. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	10
99	Magnetic polarization of Ir in underdoped nonsuperconducting Eu(Fe <sub>0.94</sub> Ir <sub>0.06</sub> ) <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	7
98	Spin-wave and electromagnon dispersions in multiferroic MnWO <sub>4</sub> as observed by neutron spectroscopy: Isotropic Heisenberg exchange versus anisotropic Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	8
97	Solitary Magnons in the S=5/2 Antiferromagnet CaFe <sub>2</sub> O <sub>4</sub> . <i>Physical Review Letters</i> , <b>2016</b> , 117, 017201	1.4	21
96	Revisiting the ground state of CoAl <sub>2</sub> O <sub>4</sub> : Comparison to the conventional antiferromagnet MnAl <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	14
95	Field-induced self-assembly of iron oxide nanoparticles investigated using small-angle neutron scattering. <i>Nanoscale</i> , <b>2016</b> , 8, 18541-18550	7.7	29
94	Dispersible cobalt chromite nanoparticles: facile synthesis and size driven collapse of magnetism. <i>RSC Advances</i> , <b>2016</b> , 6, 107659-107668	3.7	4

93	SANS study of vortex lattice structural transition in optimally doped $(\text{Ba}_{1-x}\text{K}_x)\text{Fe}_2\text{As}_2$ . <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 425701	1.8	4
92	Phase diagram of Eu magnetic ordering in Sn-flux-grown $\text{Eu}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ single crystals. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	17
91	Size-dependent magnetic transitions in $\text{CoFe}_{0.1}\text{Cr}_{1.9}\text{O}_4$ nanoparticles studied by magnetic and neutron-polarization analysis. <i>Nanotechnology</i> , <b>2016</b> , 27, 175702	3.4	15
90	Structure and component dynamics in binary mixtures of poly(2-(dimethylamino)ethyl methacrylate) with water and tetrahydrofuran: A diffraction, calorimetric, and dielectric spectroscopy study. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 154903	3.9	5
89	Spin anisotropy due to spin-orbit coupling in optimally hole-doped $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$ . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	15
88	Magnetic structures and magnetoelastic coupling of Fe-doped hexagonal manganites $\text{LuMn}_{1-x}\text{FexO}_3$ (0 ≤ x ≤ 0.3). <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	13
87	Focus on high-temperature superconductors. <i>Neutron News</i> , <b>2015</b> , 26, 36-39	0.4	
86	Magnetic ground state of superconducting $\text{Eu}(\text{Fe}_{0.88}\text{Ir}_{0.12})_2\text{As}_2$ : A combined neutron diffraction and first-principles calculation study. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	27
85	Inverse order-disorder transition of charge stripes. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	3
84	Dynamics of tetrahydrofuran as minority component in a mixture with poly(2-(dimethylamino)ethyl methacrylate): A neutron scattering and dielectric spectroscopy investigation. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 094505	3.9	3
83	Low-lying magnetic excitations and magnetocaloric effect of molecular magnet $\text{K}_6[\text{V}_{15}\text{As}_6\text{O}_{42}(\text{H}_2\text{O})] \cdot 8\text{H}_2\text{O}$ . <i>Europhysics Letters</i> , <b>2015</b> , 112, 27003	1.6	8
82	Neutron scattering study of magnetic $\text{Fe}_{1+d}\text{Te}$ thin films grown under tensile stress. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 474, 53-56	2.8	3
81	Magnetic and structural transitions in $\text{La}_{0.4}\text{Na}_{0.6}\text{Fe}_2\text{As}_2$ single crystals. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	14
80	Microscopic Dynamics in Nanocomposites of Poly(ethylene oxide) and Poly(methyl methacrylate) Soft Nanoparticles: A Quasi-Elastic Neutron Scattering Study. <i>Macromolecules</i> , <b>2014</b> , 47, 304-315	5.5	25
79	Incipient ferromagnetism in $\text{Tb}_2\text{Ge}_2\text{O}_7$ : application of chemical pressure to the enigmatic spin-liquid compound $\text{Tb}_2\text{Ti}_2\text{O}_7$ . <i>Physical Review Letters</i> , <b>2014</b> , 113, 267205	7.4	19
78	Coexistence of superconductivity and ferromagnetism in P-doped $\text{EuFe}_2\text{As}_2$ . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	61
77	Approaching the true ground state of frustrated A-site spinels: A combined magnetization and polarized neutron scattering study. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	16
76	Anisotropic neutron spin resonance in underdoped superconducting $\text{NaFe}_{1-x}\text{Co}_x\text{As}$ . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	25

75	Magnetic structure of the Eu <sup>2+</sup> moments in superconducting EuFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> with x=0.19. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	29
74	Weak magnetism and the Mott state of vanadium in superconducting Sr <sub>2</sub> VO <sub>3</sub> FeAs. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	10
73	Spin-phonon coupling in K <sub>0.8</sub> Fe <sub>1.6</sub> Se <sub>2</sub> and KFe <sub>2</sub> Se <sub>2</sub> : Inelastic neutron scattering and ab initio phonon calculations. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	13
72	Coexistence of magnetic order and spin-glass-like phase in the pyrochlore antiferromagnet Na <sub>3</sub> Co(CO <sub>3</sub> ) <sub>2</sub> Cl. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	26
71	Magnetic anisotropy in hole-doped superconducting Ba <sub>0.67</sub> K <sub>0.33</sub> Fe <sub>2</sub> As <sub>2</sub> probed by polarized inelastic neutron scattering. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	27
70	Distinguishing s <sub>x</sub> <sup>2</sup> -y <sup>2</sup> and s <sub>xy</sub> electron pairing symmetries by neutron spin resonance in superconducting NaFe <sub>0.935</sub> Co <sub>0.045</sub> As. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	42
69	Measurement of a double neutron-spin resonance and an anisotropic energy gap for underdoped superconducting NaFe <sub>0.985</sub> Co <sub>0.015</sub> As using inelastic neutron scattering. <i>Physical Review Letters</i> , <b>2013</b> , 111, 207002	7-4	34
68	Magnetic structure of superconducting Eu(Fe <sub>0.82</sub> Co <sub>0.18</sub> ) <sub>2</sub> As <sub>2</sub> as revealed by single-crystal neutron diffraction. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	29
67	Magnetic anisotropic energy gap and low-energy spin wave excitation in the antiferromagnetic block phase of K <sub>2</sub> Fe <sub>4</sub> Se <sub>5</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	6
66	Evidence of Spin Resonance Signal in Oxygen Free Superconducting CaFe <sub>0.88</sub> Co <sub>0.12</sub> AsF: An Inelastic Neutron Scattering Study. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 104716	1-5	2
65	Poster: Spin-Related Phenomena <b>2013</b> , 589-632		
64	Short and Intermediate Range Order in Poly(alkylene oxide)s. A Neutron Diffraction and Molecular Dynamics Simulation Study. <i>Macromolecules</i> , <b>2012</b> , 45, 7293-7303	5-5	28
63	Competing ferri- and antiferromagnetic phases in geometrically frustrated LuFe <sub>2</sub> O <sub>4</sub> . <i>Physical Review Letters</i> , <b>2012</b> , 108, 037206	7-4	54
62	Anomalous in-plane magnetoresistance in a EuFe <sub>2</sub> As <sub>2</sub> single crystal: Evidence of strong spin-charge-lattice coupling. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	13
61	Higgs transition from a magnetic Coulomb liquid to a ferromagnet in Yb <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Nature Communications</i> , <b>2012</b> , 3, 992	17-4	151
60	Pressure-driven Phase Transition in CaFeAsF at 40 and 300 K. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 377, 012034	0-3	
59	Strong coupling of Sm and Fe magnetism in SmFeAsO as revealed by magnetic x-ray scattering. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	27
58	High quality TbMnO <sub>3</sub> films deposited on YAlO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 5061-5063	5-7	9

57	Antiferromagnetic order in MnO spherical nanoparticles. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	13
56	Physical properties, crystal and magnetic structure of layered Fe <sub>1.11</sub> Te <sub>1-x</sub> Se <sub>x</sub> superconductors. <i>European Physical Journal B</i> , <b>2011</b> , 82, 113-121	1.2	6
55	EuFe <sub>2</sub> As <sub>2</sub> : Magnetic Structure and Local Charge Distribution Anisotropies as Seen by Resonant X-ray Scattering. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2011</b> , 24, 705-709	1.5	4
54	Helical spin waves, magnetic order, and fluctuations in the langasite compound Ba <sub>3</sub> NbFe <sub>3</sub> Si <sub>2</sub> O <sub>14</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	33
53	The temperature evolution of the magnetic correlations in pure and diluted spin ice Ho <sub>2</sub> Y <sub>x</sub> Ti <sub>2</sub> O <sub>7</sub> . <i>Physica B: Condensed Matter</i> , <b>2011</b> , 406, 2393-2396	2.8	2
52	Spatial inhomogeneity in RFeAsO <sub>1-x</sub> F <sub>x</sub> (R= Pr, Nd) determined from rare-earth crystal-field excitations. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	11
51	Mixed-state Hall effect and flux pinning in Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> single crystals (x=0.08 and 0.10). <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	18
50	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> , <b>2011</b> , 84,	3.3	10
49	Ambient- and low-temperature synchrotron x-ray diffraction study of BaFe <sub>2</sub> As <sub>2</sub> and CaFe <sub>2</sub> As <sub>2</sub> at high pressures up to 56 GPa. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	91
48	Magnetization distribution in the tetragonal phase of BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	7
47	Neutron diffraction investigation of the crystal and magnetic structures in KCrF <sub>3</sub> perovskite. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	18
46	Structural transitions and relaxation processes during the epitaxial growth of ultrathin CaF <sub>2</sub> films on Si(111). <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	13
45	Neutron diffraction study of phase transitions and thermal expansion of SrFeAsF. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	18
44	Field-induced spin reorientation and giant spin-lattice coupling in EuFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	43
43	Magnetic correlations in the spin ice Ho <sub>2</sub> Y <sub>x</sub> Ti <sub>2</sub> O <sub>7</sub> as revealed by neutron polarization analysis. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	23
42	Non-stoichiometry and the magnetic structure of Sr <sub>2</sub> CrO <sub>3</sub> FeAs. <i>Europhysics Letters</i> , <b>2010</b> , 89, 37006	1.6	24
41	An approach to the magnetic ground state of the molecular magnet {Mo <sub>72</sub> Fe <sub>30</sub> }. <i>New Journal of Physics</i> , <b>2010</b> , 12, 083044	2.9	10
40	Magnetic lattice dynamics of the oxygen-free FeAs pnictides: how sensitive are phonons to magnetic ordering?. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 315701	1.8	23

39	Diffuse neutron scattering study of magnetic correlations in half-doped $\text{La}_{0.5}\text{Ca}_{0.5-x}\text{Sr}_x\text{MnO}_3$ manganites ( $x=0.1, 0.3, \text{ and } 0.4$ ). <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	12
38	Possible magnetic order and suppression of superconductivity by V doping in $\text{Sr}_2\text{VO}_3\text{FeAs}$ . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	21
37	Magnetic correlations in pyrochlore spin ice as probed by polarized neutron scattering. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 211, 012013	0-3	2
36	Anomalous phonons in $\text{CaFe}_2\text{As}_2$ explored by inelastic neutron scattering. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 251, 012008	0-3	2
35	Soft X-ray resonant scattering study of single-crystal $\text{LaSr}_2\text{Mn}_2\text{O}_7$ . <i>European Physical Journal B</i> , <b>2010</b> , 74, 457-461	1-2	3
34	Pressure dependence of phonon modes across the tetragonal to collapsed-tetragonal phase transition in $\text{CaFe}_2\text{As}_2$ . <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	13
33	Using polarization analysis to separate the coherent and incoherent scattering from protein samples. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2010</b> , 1804, 76-82	4	50
32	Antiferromagnetic spin correlations in $\text{MnO}$ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 3333-3336	2-8	14
31	Antiferromagnetic ordering and structural phase transition in $\text{Ba}_2\text{Fe}_2\text{As}_2$ with Sn incorporated from the growth flux. <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	98
30	Magnetic order in the $\text{CaFe}_{1-x}\text{Co}_x\text{AsF}$ ( $x=0.00, 0.06, 0.12$ ) superconducting compounds. <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	55
29	Effects of magnetic doping and temperature dependence of phonon dynamics in $\text{CaFe}_{1-x}\text{Co}_x\text{AsF}$ compounds ( $x=0, 0.06, \text{ and } 0.12$ ). <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	20
28	Magnetic structure of $\text{EuFe}_2\text{As}_2$ determined by single-crystal neutron diffraction. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	139
27	Ab initio lattice dynamics simulations and inelastic neutron scattering spectra for studying phonons in $\text{BaFe}_2\text{As}_2$ : Effect of structural phase transition, structural relaxation, and magnetic ordering. <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	59
26	Phonon spectra in $\text{CaFe}_2\text{As}_2$ and $\text{Ca}_{0.6}\text{Na}_{0.4}\text{Fe}_2\text{As}_2$ : Measurement of the pressure and temperature dependence and comparison with ab initio and shell model calculations. <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	17
25	Magnetic structure of $\text{EuFe}_2\text{As}_2$ as determined by resonant x-ray scattering. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	51
24	Neutron polarization analysis on the multiferroic $\text{TbMn}_2\text{O}_5$ . <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 2517-2519	2-8	3
23	Crystal and magnetic structure of single-crystal $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ( $x \leq 1/8$ ). <i>European Physical Journal B</i> , <b>2009</b> , 67, 149-157	1-2	19
22	Measurement of anomalous phonon dispersion of $\text{CaFe}_2\text{As}_2$ single crystals using inelastic neutron scattering. <i>Physical Review Letters</i> , <b>2009</b> , 102, 217001	7-4	39

21	Neutron scattering study of the dynamics of a polymer melt under nanoscopic confinement. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 174901	3.9	59
20	Phonon dynamics in Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> and Ca <sub>0.6</sub> Na <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> from neutron scattering and lattice-dynamical calculations. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	22
19	Inelastic neutron scattering and lattice-dynamical calculations of BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	54
18	Correlation between structural and magnetic properties of La <sub>7/8</sub> Sr <sub>1/8</sub> MnO <sub>3</sub> with controlled nonstoichiometry. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 016003	1.8	13
17	Probing the (001) surface of magnetite crystals by second harmonic generation. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 396006	1.8	1
16	Neutron-diffraction study of structural transition and magnetic order in orthorhombic and rhombohedral La <sub>(7/8)</sub> Sr <sub>(1/8)</sub> MnO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 176226	1.8	12
15	Re-examination of charge and orbital ordering in lightly doped La <sub>1-x</sub> Br <sub>x</sub> MnO <sub>3</sub> by X-ray scattering. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E291-E292	2.8	2
14	Strain release and twin structure in GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films on (001) SrTiO <sub>3</sub> and NdGaO <sub>3</sub> . <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	21
13	Local structure of NiTi nanocrystals studied by EXAFS and XRD. <i>Journal of Synchrotron Radiation</i> , <b>2001</b> , 8, 520-1	2.4	2
12	Subsurface dimerization in III-V semiconductor (001) surfaces. <i>Physical Review Letters</i> , <b>2001</b> , 86, 3586-9	7.4	117
11	Structure of metal-rich (001) surfaces of III-V compound semiconductors. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	57
10	Covalent-bond stabilization of the Si(1 1 1)-321-Pb structure. <i>Surface Science</i> , <b>2001</b> , 486, L495-L501	1.8	2
9	Ge(001)-matrix-Pb <-lmatrix-Pb: low-temperature two-dimensional phase transition. <i>New Journal of Physics</i> , <b>2001</b> , 3, 13-13	2.9	4
8	X-ray scattering studies of 2H-NbSe <sub>2</sub> , a superconductor and charge density wave material, under high external magnetic fields. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 5361-5370	1.8	31
7	Critical fluctuations and quenched disordered two-dimensional charge stripes in La <sub>(5/3)</sub> Sr <sub>(1/3)</sub> NiO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2000</b> , 84, 3911-4	7.4	46
6	Low-temperature structure of indium quantum chains on silicon. <i>Physical Review Letters</i> , <b>2000</b> , 85, 4916-9	7.4	91
5	Charge ordering and the related structural phase transition in single-crystal (Bi <sub>0.24</sub> Ca <sub>0.76</sub> )MnO <sub>3</sub> . <i>Physical Review B</i> , <b>1999</b> , 59, 11687-11692	3.3	12
4	Study of local structure of YNi <sub>2</sub> B <sub>2</sub> C superconductor by EXAFS. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 725-726	1.3	1

- 3 Study of local structure changes of HBCCO superconductor with EXAFS. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 913-914 1.3
- 2 DNS: Diffuse scattering neutron time-of-flight spectrometer. *Journal of Large-scale Research Facilities JLSRF*,1, 23
- 1 Topology Meets Correlation: Neutron Scattering from Correlated Topological Materials. *Neutron News*,1-3 0.4