

# Yoshi Tokura

## List of Publications by Citations

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1,560 papers	121,877 citations	157 h-index	305 g-index
1,647 ext. papers	134,065 ext. citations	6.4 avg, IF	8.47 L-index

#	Paper	IF	Citations
1560	Metal-insulator transitions. <i>Reviews of Modern Physics</i> , <b>1998</b> , 70, 1039-1263	40.5	5397
1559	Magnetic control of ferroelectric polarization. <i>Nature</i> , <b>2003</b> , 426, 55-8	50.4	3736
1558	Insulator-metal transition and giant magnetoresistance in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physical Review B</i> , <b>1995</b> , 51, 14103-14109	3.3	2478
1557	Real-space observation of a two-dimensional skyrmion crystal. <i>Nature</i> , <b>2010</b> , 465, 901-4	50.4	2020
1556	Topological properties and dynamics of magnetic skyrmions. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 899-911	28.7	2010
1555	Orbital physics in transition-metal oxides. <i>Science</i> , <b>2000</b> , 288, 462-8	33.3	1909
1554	Emergent phenomena at oxide interfaces. <i>Nature Materials</i> , <b>2012</b> , 11, 103-13	27	1773
1553	A superconducting copper oxide compound with electrons as the charge carriers. <i>Nature</i> , <b>1989</b> , 337, 345-347	50.4	1610
1552	Room-temperature magnetoresistance in an oxide material with an ordered double-perovskite structure. <i>Nature</i> , <b>1998</b> , 395, 677-680	50.4	1490
1551	Critical features of colossal magnetoresistive manganites. <i>Reports on Progress in Physics</i> , <b>2006</b> , 69, 797-854	51.4	1072
1550	Near room-temperature formation of a skyrmion crystal in thin-films of the helimagnet FeGe. <i>Nature Materials</i> , <b>2011</b> , 10, 106-9	27	1063
1549	Giant magnetoresistance of manganese oxides with a layered perovskite structure. <i>Nature</i> , <b>1996</b> , 380, 141-144	50.4	1050
1548	Current switching of resistive states in magnetoresistive manganites. <i>Nature</i> , <b>1997</b> , 388, 50-52	50.4	917
1547	Observation of skyrmions in a multiferroic material. <i>Science</i> , <b>2012</b> , 336, 198-201	33.3	895
1546	Organic ferroelectrics. <i>Nature Materials</i> , <b>2008</b> , 7, 357-66	27	890
1545	Optical spectra of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ : Effect of carrier doping on the electronic structure of the $\text{CuO}_2$ plane. <i>Physical Review B</i> , <b>1991</b> , 43, 7942-7954	3.3	869
1544	Ferroelectricity and giant magnetocapacitance in perovskite rare-earth manganites. <i>Physical Review Letters</i> , <b>2004</b> , 92, 257201	7.4	851

1543	Superconductivity produced by electron doping in CuO <sub>2</sub> -layered compounds. <i>Physical Review Letters</i> , <b>1989</b> , 62, 1197-1200	7.4	841
1542	Magnetocapacitance effect in multiferroic BiMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	837
1541	Colossal magnetoresistive manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 200, 1-23	2.8	834
1540	Anomalous disappearance of high-T <sub>c</sub> superconductivity at high hole concentration in metallic La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>1988</b> , 61, 1127-1130	7.4	826
1539	A First-Order Phase Transition Induced by a Magnetic Field. <i>Science</i> , <b>1995</b> , 270, 961-963	33.3	823
1538	Magnetic-field-induced metal-insulator phenomena in Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> with controlled charge-ordering instability. <i>Physical Review B</i> , <b>1996</b> , 53, R1689-R1692	3.3	809
1537	Giant Magnetotransport Phenomena in Filling-Controlled Kondo Lattice System: La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>1994</b> , 63, 3931-3935	1.5	710
1536	The anomalous Hall effect and magnetic monopoles in momentum space. <i>Science</i> , <b>2003</b> , 302, 92-5	33.3	691
1535	Superconductor-to-nonsuperconductor transition in (La <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> CuO <sub>4</sub> as investigated by transport and magnetic measurements. <i>Physical Review B</i> , <b>1989</b> , 40, 2254-2261	3.3	677
1534	Collapse of a charge-ordered state under a magnetic field in Pr <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>1995</b> , 74, 5108-5111	7.4	670
1533	Hysteretic current-voltage characteristics and resistance switching at a rectifying TiBr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> interface. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 4073-4075	3.4	666
1532	Spin chirality, Berry phase, and anomalous Hall effect in a frustrated ferromagnet. <i>Science</i> , <b>2001</b> , 291, 2573-6	33.3	613
1531	Broader perspective on the high-temperature superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> system: The real role of the oxygen content. <i>Physical Review B</i> , <b>1988</b> , 38, 7156-7159	3.3	599
1530	A structural phase transition induced by an external magnetic field. <i>Nature</i> , <b>1995</b> , 373, 407-409	50.4	597
1529	Magnetoelectric phase diagrams of orthorhombic RMnO <sub>3</sub> (R=Gd, Tb, and Dy). <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	592
1528	Skyrmion flow near room temperature in an ultralow current density. <i>Nature Communications</i> , <b>2012</b> , 3, 988	17.4	587
1527	Magnetic reversal of the ferroelectric polarization in a multiferroic spinel oxide. <i>Physical Review Letters</i> , <b>2006</b> , 96, 207204	7.4	574
1526	Control of magnetism by electric fields. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 209-20	28.7	571

- 1525 Giant Rashba-type spin splitting in bulk BiTeI. *Nature Materials*, **2011**, 10, 521-6 27 569
- 1524 Collective bulk carrier delocalization driven by electrostatic surface charge accumulation. *Nature*, **2012**, 487, 459-62 50.4 560
- 1523 Above-room-temperature ferroelectricity in a single-component molecular crystal. *Nature*, **2010**, 463, 789-92 50.4 549
- 1522 Resonant X-Ray Scattering from Orbital Ordering in LaMnO<sub>3</sub>. *Physical Review Letters*, **1998**, 81, 582-585 7.4 549
- 1521 Multiferroics of spin origin. *Reports on Progress in Physics*, **2014**, 77, 076501 14.4 520
- 1520 Direct Observation of Charge and Orbital Ordering in La<sub>0.5</sub>Sr<sub>1.5</sub>MnO<sub>4</sub>. *Physical Review Letters*, **1998**, 80, 1932-1935 7.4 503
- 1519 Multiferroics with spiral spin orders. *Advanced Materials*, **2010**, 22, 1554-65 24 498
- 1518 Large thermoelectric response of metallic perovskites: Sr<sub>1-x</sub>La<sub>x</sub>TiO<sub>3</sub> (0. *Physical Review B*, **2001**, 63, 3.3 492
- 1517 Filling dependence of electronic properties on the verge of metal-Mott-insulator transition in Sr<sub>1-x</sub>La<sub>x</sub>TiO<sub>3</sub>. *Physical Review Letters*, **1993**, 70, 2126-2129 7.4 491
- 1516 Photoinduced Insulator-to-Metal Transition in a Perovskite Manganite. *Physical Review Letters*, **1997**, 78, 4257-4260 7.4 474
- 1515 Variation of optical gaps in perovskite-type 3d transition-metal oxides. *Physical Review B*, **1993**, 48, 17006-17009 5.3 473
- 1514 Distorted perovskite with eg<sub>1</sub> configuration as a frustrated spin system. *Physical Review B*, **2003**, 68, 3.3 464
- 1513 Magnetic Ordering and Relation to the Metal-Insulator Transition in Pr<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> and Nd<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> with x ~ 1/2. *Physical Review Letters*, **1997**, 78, 4253-4256 7.4 453
- 1512 Anomalous variation of optical spectra with spin polarization in double-exchange ferromagnet: La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub>. *Physical Review Letters*, **1995**, 75, 109-112 7.4 420
- 1511 Control of the electronic phase of a manganite by mode-selective vibrational excitation. *Nature*, **2007**, 449, 72-4 50.4 418
- 1510 An X-ray-induced insulator-metal transition in a magnetoresistive manganite. *Nature*, **1997**, 386, 813-815 50.4 415
- 1509 Interplane Tunneling Magnetoresistance in a Layered Manganite Crystal. *Science*, **1996**, 274, 1698-701 33.3 413
- 1508 Composite domain walls in a multiferroic perovskite ferrite. *Nature Materials*, **2009**, 8, 558-62 27 404

1507	Ferroelectricity and polarity control in solid-state flip-flop supramolecular rotators. <i>Nature Materials</i> , <b>2009</b> , 8, 342-7	27	396
1506	Magnetic and electronic properties of a single crystal of ordered double perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> . <i>Physical Review B</i> , <b>2000</b> , 61, 422-427	3-3	393
1505	Trajectory of the anomalous Hall effect towards the quantized state in a ferromagnetic topological insulator. <i>Nature Physics</i> , <b>2014</b> , 10, 731-736	16.2	391
1504	Electric-field control of tri-state phase transformation with a selective dual-ion switch. <i>Nature</i> , <b>2017</b> , 546, 124-128	50.4	388
1503	Materials science. Multiferroics as quantum electromagnets. <i>Science</i> , <b>2006</b> , 312, 1481-2	33-3	386
1502	Intergrain tunneling magnetoresistance in polycrystals of the ordered double perovskite Sr <sub>2</sub> FeReO <sub>6</sub> . <i>Physical Review B</i> , <b>1999</b> , 59, 11159-11162	3-3	385
1501	Observation of the magnon Hall effect. <i>Science</i> , <b>2010</b> , 329, 297-9	33-3	373
1500	Large topological Hall effect in a short-period helimagnet MnGe. <i>Physical Review Letters</i> , <b>2011</b> , 106, 156603	33-3	372
1499	Magnetic-field-induced ferroelectric state in DyFeO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2008</b> , 101, 097205	7-4	355
1498	Doping dependence of an n-type cuprate superconductor investigated by angle-resolved photoemission spectroscopy. <i>Physical Review Letters</i> , <b>2002</b> , 88, 257001	7-4	350
1497	Pressure effects on charge-ordering transitions in Perovskite manganites. <i>Physical Review B</i> , <b>1997</b> , 55, 7549-7556	3-3	337
1496	Engineered interface of magnetic oxides. <i>Science</i> , <b>2004</b> , 305, 646-8	33-3	333
1495	Hole-concentration-induced transformation of the magnetic and orbital structures in Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>1999</b> , 60, 9506-9517	3-3	332
1494	Magnetic and electronic properties in hole-doped manganese oxides with layered structures: La <sub>1-x</sub> Sr <sub>1+x</sub> MnO <sub>4</sub> . <i>Physical Review B</i> , <b>1995</b> , 51, 3297-3300	3-3	325
1493	Visualization of the local insulator-metal transition in Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Science</i> , <b>1998</b> , 280, 1925-8	33-3	319
1492	Crossover behavior of the anomalous Hall effect and anomalous nernst effect in itinerant ferromagnets. <i>Physical Review Letters</i> , <b>2007</b> , 99, 086602	7-4	315
1491	A new class of chiral materials hosting magnetic skyrmions beyond room temperature. <i>Nature Communications</i> , <b>2015</b> , 6, 7638	17-4	312
1490	Hysteretic current-voltage characteristics and resistance switching at an epitaxial oxide Schottky junction SrRuO <sub>3</sub> /BrTi <sub>0.99</sub> Nb <sub>0.01</sub> O <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2005</b> , 86, 012107	3-4	308

- 1489 Magnetic topological insulators. *Nature Reviews Physics*, **2019**, 1, 126-143 23.6 300
- 1488 Ferroelectricity near room temperature in co-crystals of nonpolar organic molecules. *Nature Materials*, **2005**, 4, 163-6 27 298
- 1487 High-magnetic-field study of the phase transitions of  $R_{1-x}Ca_xMnO_3$  ( $R=Pr, Nd$ ). *Physical Review B*, **1998**, 57, 5259-5264 3.3 297
- 1486 Variation of electronic structure in  $La_{1-x}Sr_xMnO_3$  ( $0 \leq x \leq 0.3$ ) as investigated by optical conductivity spectra. *Physical Review B*, **1997**, 55, 4206-4214 3.3 295
- 1485 Orbital-State-Mediated Phase-Control of Manganites. *Journal of the Physical Society of Japan*, **1999**, 68, 3790-3793 1.5 291
- 1484 Low-magnetic-field control of electric polarization vector in a helimagnet. *Science*, **2008**, 319, 1643-6 33.3 288
- 1483 Gigantic optical nonlinearity in one-dimensional Mott-Hubbard insulators. *Nature*, **2000**, 405, 929-32 50.4 282
- 1482 Unusual Hall effect anomaly in MnSi under pressure. *Physical Review Letters*, **2009**, 102, 186601 7.4 280
- 1481 Electronic structure of early 3d-transition-metal oxides by analysis of the 2p core-level photoemission spectra. *Physical Review B*, **1996**, 53, 1161-1170 3.3 280
- 1480 Charge and magnetic order in  $La_{0.5}Sr_{1.5}MnO_4$ . *Physical Review Letters*, **1996**, 76, 2169-2172 7.4 276
- 1479 Spin-state transition and high-spin polarons in  $LaCoO_3$ . *Physical Review B*, **1996**, 53, R2926-R2929 3.3 274
- 1478 Spin-driven ferroelectricity in triangular lattice antiferromagnets  $ACrO_2$  ( $A=Cu, Ag, Li, \text{ or } Na$ ). *Physical Review Letters*, **2008**, 101, 067204 7.4 271
- 1477 Observation of a griffiths phase in paramagnetic  $La_{1-x}Sr_xMnO_3$ . *Physical Review Letters*, **2005**, 95, 257202 7.4 270
- 1476 Local lattice distortion during the spin-state transition in  $LaCoO_3$ . *Physical Review B*, **1997**, 55, R8666-R8669 33.3 268
- 1475 Neutron-diffraction study of the magnetic-field-induced metal-insulator transition in  $Pr_{0.7}Ca_{0.3}MnO_3$ . *Physical Review B*, **1995**, 52, 13145-13148 3.3 267
- 1474 Competing instabilities and metastable states in  $(Nd, Sm)_{1/2}Sr_{1/2}MnO_3$ . *Physical Review Letters*, **1996**, 76, 3184-3187 7.4 266
- 1473 Dirac-fermion-mediated ferromagnetism in a topological insulator. *Nature Physics*, **2012**, 8, 729-733 16.2 262
- 1472 Electric control of spin helicity in a magnetic ferroelectric. *Physical Review Letters*, **2007**, 98, 147204 7.4 262

1471	Interface-driven topological Hall effect in SrRuO <sub>3</sub> -SrIrO <sub>3</sub> bilayer. <i>Science Advances</i> , <b>2016</b> , 2, e1600304	14.3	260
1470	Colossal electroresistance of a Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> thin film at room temperature. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	256
1469	Ultrafast optical switching to a metallic state by photoinduced mott transition in a halogen-bridged nickel-chain compound. <i>Physical Review Letters</i> , <b>2003</b> , 91, 057401	7.4	250
1468	Nonlinear phononics as an ultrafast route to lattice control. <i>Nature Physics</i> , <b>2011</b> , 7, 854-856	16.2	249
1467	Evolution of the spectral function in Mott-Hubbard systems with d1 configuration. <i>Physical Review Letters</i> , <b>1992</b> , 69, 1796-1799	7.4	249
1466	Metallic ordered double-perovskite Sr <sub>2</sub> CrReO <sub>6</sub> with maximal Curie temperature of 635 K. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 328-330	3.4	248
1465	Diffuse Phase Transition and Phase Separation in Cr-Doped Nd <sub>1/2</sub> Ca <sub>1/2</sub> MnO <sub>3</sub> : A Relaxor Ferromagnet. <i>Physical Review Letters</i> , <b>1999</b> , 83, 3940-3943	7.4	247
1464	High-temperature spin dynamics in CMR manganites: ESR and magnetization. <i>Physical Review B</i> , <b>1998</b> , 58, 3233-3239	3.3	243
1463	Real-space observation of skyrmion lattice in helimagnet MnSi thin samples. <i>Nano Letters</i> , <b>2012</b> , 12, 1673-1675	17.5	242
1462	Multiferroic M-type hexaferrites with a room-temperature conical state and magnetically controllable spin helicity. <i>Physical Review Letters</i> , <b>2010</b> , 105, 257201	7.4	242
1461	Multiferroics toward strong coupling between magnetization and polarization in a solid. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1145-1150	2.8	241
1460	Magnetism and structural distortion in the La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> metallic ferromagnet. <i>Physical Review B</i> , <b>1996</b> , 53, 14285-14290	3.3	240
1459	Cu-O network dependence of optical charge-transfer gaps and spin-pair excitations in single-CuO <sub>2</sub> -layer compounds. <i>Physical Review B</i> , <b>1990</b> , 41, 11657-11660	3.3	234
1458	Observation of magnetic excitations of Skyrmion crystal in a helimagnetic insulator Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2012</b> , 109, 037603	7.4	231
1457	Robust formation of Skyrmions and topological Hall effect anomaly in epitaxial thin films of MnSi. <i>Physical Review Letters</i> , <b>2013</b> , 110, 117202	7.4	223
1456	Pressure effect on the double-exchange ferromagnet La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (0.15 < x < 0.5). <i>Physical Review B</i> , <b>1995</b> , 51, 16491-16494	3.3	223
1455	Origins of colossal magnetoresistance in perovskite-type manganese oxides (invited). <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 5288	2.5	223
1454	Magnetic stripes and skyrmions with helicity reversals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 8856-60	11.5	222



1453	Random potential effect near the bicritical region in perovskite manganites as revealed by comparison with the ordered perovskite analogs. <i>Physical Review Letters</i> , <b>2003</b> , 90, 177203	7.4	221
1452	Structural and magnetoelectric properties of $\text{Ga}_{2-x}\text{Fe}_x\text{O}_3$ single crystals grown by a floating-zone method. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	218
1451	Antiferromagnetic Short Range Order in a Two-Dimensional Manganite Exhibiting Giant Magnetoresistance. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3197-3200	7.4	214
1450	Towards control of the size and helicity of skyrmions in helimagnetic alloys by spin-orbit coupling. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 723-8	28.7	212
1449	Fermi-level-dependent charge-to-spin current conversion by Dirac surface states of topological insulators. <i>Nature Physics</i> , <b>2016</b> , 12, 1027-1031	16.2	210
1448	Thermally driven ratchet motion of a skyrmion microcrystal and topological magnon Hall effect. <i>Nature Materials</i> , <b>2014</b> , 13, 241-6	27	209
1447	Anomalous Magnetotransport Properties of $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Journal of the Physical Society of Japan</i> , <b>1995</b> , 64, 3626-3630	1.5	208
1446	Real-space observation of helical spin order. <i>Science</i> , <b>2006</b> , 311, 359-61	33.3	206
1445	Fermi surface, surface states, and surface reconstruction in $\text{Sr}_2\text{RuO}_4$ . <i>Physical Review Letters</i> , <b>2000</b> , 85, 5194-7	7.4	201
1444	Detection of Berry's phase in a Bulk Rashba semiconductor. <i>Science</i> , <b>2013</b> , 342, 1490-3	33.3	200
1443	Ferromagnetism stabilized by lattice distortion at the surface of the p-wave superconductor $\text{Sr}(2)\text{RuO}(4)$ . <i>Science</i> , <b>2000</b> , 289, 746-8	33.3	199
1442	Photoinduced valence instability in the organic molecular compound tetrathiafulvalene-p-chloranil (TTF-CA). <i>Physical Review B</i> , <b>1990</b> , 42, 6853-6856	3.3	199
1441	Skyrmion lattice with a giant topological Hall effect in a frustrated triangular-lattice magnet. <i>Science</i> , <b>2019</b> , 365, 914-918	33.3	194
1440	Photoinduced Cooperative Charge Transfer in Low-Dimensional Organic Crystals. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 2592-2600	3.4	194
1439	Optical Study of Electronic Structure in Perovskite-Type $\text{RMO}_3$ ( $\text{R}=\text{La}, \text{Y}; \text{M}=\text{Sc}, \text{Ti}, \text{V}, \text{Cr}, \text{Mn}, \text{Fe}, \text{Co}, \text{Ni}, \text{Cu}$ ). <i>Journal of the Physical Society of Japan</i> , <b>1995</b> , 64, 2488-2501	1.5	192
1438	Interplay between Charge, Orbital, and Magnetic Order in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Physical Review Letters</i> , <b>1999</b> , 83, 4872-4875	7.4	190
1437	A magnetic heterostructure of topological insulators as a candidate for an axion insulator. <i>Nature Materials</i> , <b>2017</b> , 16, 516-521	27	189
1436	Optical spectra in $(\text{La}, \text{Y})\text{TiO}_3$ : Variation of Mott-Hubbard gap features with change of electron correlation and band filling. <i>Physical Review B</i> , <b>1995</b> , 51, 9581-9588	3.3	189



1435	Correlated-Electron Physics in Transition-Metal Oxides. <i>Physics Today</i> , <b>2003</b> , 56, 50-55	0.9	188
1434	Reversible photoinduced phase transitions in single crystals of polydiacetylenes. <i>Physical Review Letters</i> , <b>1992</b> , 68, 1148-1151	7.4	188
1433	Electrical properties and colossal electroresistance of heteroepitaxial SrRuO <sub>3</sub> /Ti <sub>1-x</sub> NbxO <sub>3</sub> (0.0002?x?0.02) Schottky junctions. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	186
1432	Collinear to spiral spin transformation without changing the modulation wavelength upon ferroelectric transition in Tb <sub>1-x</sub> DyxMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2006</b> , 96, 097202	7.4	183
1431	k-Dependent Electronic Structure, a Large "Host" Fermi Surface, and a Pseudogap in a Layered Magnetoresistive Oxide. <i>Physical Review Letters</i> , <b>1998</b> , 81, 192-195	7.4	183
1430	Magnetic modulation doping in topological insulators toward higher-temperature quantum anomalous Hall effect. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 182401	3.4	182
1429	Short-range polaron correlations in the ferromagnetic La <sub>1-x</sub> CaxMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2000</b> , 85, 2553-6	7.4	182
1428	Observation of orbital waves as elementary excitations in a solid. <i>Nature</i> , <b>2001</b> , 410, 180-3	50.4	181
1427	Ferroelectricity in a one-dimensional organic quantum magnet. <i>Nature Physics</i> , <b>2010</b> , 6, 169-172	16.2	179
1426	Phonon Raman scattering in R <sub>1-x</sub> AxMnO <sub>3</sub> +[(R=La,Pr; A=Ca,Sr). <i>Physical Review B</i> , <b>1998</b> , 58, 11435-11440	3.3	179
1425	New class of high T <sub>c</sub> structures: Intergrowth of multiple copper oxide perovskite-like layers with double sheets of BiO. <i>Solid State Communications</i> , <b>1988</b> , 66, 703-706	1.6	178
1424	Emergent functions of quantum materials. <i>Nature Physics</i> , <b>2017</b> , 13, 1056-1068	16.2	175
1423	Correlation between spin helicity and an electric polarization vector in quantum-spin chain magnet LiCu <sub>2</sub> O <sub>2</sub> . <i>Physical Review Letters</i> , <b>2008</b> , 100, 127201	7.4	174
1422	Magnetic order and electronic phase diagrams of electron-doped copper oxide materials. <i>Physical Review B</i> , <b>1990</b> , 42, 7981-7988	3.3	174
1421	Thermal Generation of Spin Current in an Antiferromagnet. <i>Physical Review Letters</i> , <b>2015</b> , 115, 266601	7.4	172
1420	Spin dynamics and orbital state in LaTiO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2000</b> , 85, 3946-9	7.4	171
1419	Structural and electronic properties of the ordered double perovskites A <sub>2</sub> MReO <sub>6</sub> (A=Sr,Ca; M=Mg,Sc,Cr,Mn,Fe,Co,Ni,Zn). <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	170
1418	Interface resistance switching at a few nanometer thick perovskite manganite active layers. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 232112	3.4	168

1417	Quantum phase transition in organic charge-transfer complexes. <i>Science</i> , <b>2003</b> , 299, 229-32	33.3	168
1416	Above-room-temperature ferroelectricity and antiferroelectricity in benzimidazoles. <i>Nature Communications</i> , <b>2012</b> , 3, 1308	17.4	167
1415	Mesoscopic percolating resistance network in a strained manganite thin film. <i>Science</i> , <b>2010</b> , 329, 190-3	33.3	167
1414	Thermally induced insulator-metal transition in LaCoO <sub>3</sub> : A view based on the Mott transition. <i>Physical Review B</i> , <b>1998</b> , 58, R1699-R1702	3.3	166
1413	A time-dependent order parameter for ultrafast photoinduced phase transitions. <i>Nature Materials</i> , <b>2014</b> , 13, 923-7	27	165
1412	Layered Magnetic Manganites. <i>Annual Review of Materials Research</i> , <b>2000</b> , 30, 451-474		165
1411	New procedure for determination of [Cu-O] <sup>+</sup> p charge and oxygen content in high T <sub>c</sub> copper oxides. <i>Physica C: Superconductivity and Its Applications</i> , <b>1988</b> , 153-155, 1367-1368	1.3	165
1410	Biskyrmion states and their current-driven motion in a layered manganite. <i>Nature Communications</i> , <b>2014</b> , 5, 3198	17.4	164
1409	Dependence of upper critical field and pairing strength on doping in cuprates. <i>Science</i> , <b>2003</b> , 299, 86-9	33.3	164
1408	Spin-orbital phase diagram of perovskite-type RVO <sub>3</sub> (R=rare-earth ion or Y). <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	163
1407	Anomalous electronic structure and pseudogap effects in Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2001</b> , 87, 147003	7.4	163
1406	Electronic ferroelectricity in a molecular crystal with large polarization directing antiparallel to ionic displacement. <i>Physical Review Letters</i> , <b>2012</b> , 108, 237601	7.4	162
1405	Fermi surface nesting and nanoscale fluctuating charge/orbital ordering in colossal magnetoresistive oxides. <i>Science</i> , <b>2001</b> , 292, 1509-13	33.3	159
1404	Doping-induced changes in the electronic structure of La <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> : Limitation of the one-electron rigid-band model and the Hubbard model. <i>Physical Review B</i> , <b>1992</b> , 46, 9841-9844	3.3	158
1403	Rapid construction of a phase diagram of doped Mott insulators with a composition-spread approach. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 3426-3428	3.4	155
1402	Impurity-doping-induced ferroelectricity in the frustrated antiferromagnet CuFeO <sub>2</sub> . <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	154
1401	Interface ferromagnetism in oxide superlattices of CaMnO <sub>3</sub> /CaRuO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1324-1326	3.4	154
1400	Anomalous absence of pressure effect on transition temperature in the electron-doped superconductor Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . <i>Nature</i> , <b>1989</b> , 339, 293-294	50.4	154

1399	Global phase diagram of perovskite manganites in the plane of quenched disorder versus one-electron bandwidth. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	153
1398	Optical spectroscopy of the charge-ordering transition in La <sub>1.67</sub> Sr <sub>0.33</sub> NiO <sub>4</sub> . <i>Physical Review B</i> , <b>1996</b> , 54, R14230-R14233	3-3	152
1397	Soft-x-ray-absorption studies of the location of extra charges induced by substitution in controlled-valence materials. <i>Physical Review B</i> , <b>1991</b> , 44, 5419-5422	3-3	152
1396	Charge-gap formation upon the Verwey transition in Fe <sub>3</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>1998</b> , 58, 3717-3720	3-3	151
1395	Pressure-Induced Polaronic to Itinerant Electronic Transition in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> Crystals. <i>Physical Review Letters</i> , <b>1997</b> , 79, 3234-3237	7-4	150
1394	Metallic, but not superconducting, La-Ba (and La-Sr) copper oxides. <i>Physical Review Letters</i> , <b>1988</b> , 60, 542-545	7-4	150
1393	Superconducting gap anisotropy in Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> : results from photoemission. <i>Physical Review Letters</i> , <b>2001</b> , 86, 1126-9	7-4	149
1392	Transformation between meron and skyrmion topological spin textures in a chiral magnet. <i>Nature</i> , <b>2018</b> , 564, 95-98	50-4	149
1391	Stripe order at low temperatures in La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> with 0.289<x<0.5. <i>Physical Review B</i> , <b>2000</b> , 61, R854-R857	3-3	148
1390	New Classification Method for Layered Copper Oxide Compounds and Its Application to Design of New HighT <sub>c</sub> Superconductors. <i>Japanese Journal of Applied Physics</i> , <b>1990</b> , 29, 2388-2402	1-4	148
1389	Metal-insulator transition in epitaxial V <sub>1-x</sub> W <sub>x</sub> O <sub>2</sub> (0<x<0.33) thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 022102	3-4	147
1388	Perovskite manganites hosting versatile multiferroic phases with symmetric and antisymmetric exchange strinctions. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	147
1387	Ferroelectricity induced by spin-dependent metal-ligand hybridization in Ba <sub>1-x</sub> Co <sub>x</sub> GeO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2010</b> , 105, 137202	7-4	146
1386	Charge Ordered States in La <sub>1-x</sub> Sr <sub>x</sub> FeO <sub>3</sub> . <i>Physical Review Letters</i> , <b>1997</b> , 79, 297-300	7-4	146
1385	Charge dynamics in underdoped Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> : Pseudogap and related phenomena. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	145
1384	Nonreciprocal responses from non-centrosymmetric quantum materials. <i>Nature Communications</i> , <b>2018</b> , 9, 3740	17-4	145
1383	Magnetostructural phase transitions in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> with controlled carrier density. <i>Physical Review B</i> , <b>1996</b> , 54, 1716-1723	3-3	141
1382	Subband structure of a two-dimensional electron gas formed at the polar surface of the strong spin-orbit perovskite KTaO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2012</b> , 108, 117602	7-4	139

1381	Extremely high electron mobility in a phonon-glass semimetal. <i>Nature Materials</i> , <b>2013</b> , 12, 512-7	27	139
1380	Enhanced directional dichroism of terahertz light in resonance with magnetic excitations of the multiferroic Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> oxide compound. <i>Physical Review Letters</i> , <b>2011</b> , 106, 057403	7.4	139
1379	Atomically defined epitaxy and physical properties of strained La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 2497-2499	3.4	139
1378	Electric-field-induced generation and reversal of ferromagnetic moment in ferrites. <i>Nature Physics</i> , <b>2012</b> , 8, 838-844	16.2	138
1377	Anomalous dielectric response in tetrathiafulvalene-p-chloranil as observed in temperature- and pressure-induced neutral-to-ionic phase transition. <i>Physical Review B</i> , <b>1991</b> , 43, 8224-8232	3.3	138
1376	Microwave magnetoelectric effect via skyrmion resonance modes in a helimagnetic multiferroic. <i>Nature Communications</i> , <b>2013</b> , 4, 2391	17.4	137
1375	Room-temperature ferroelectricity and gigantic dielectric susceptibility on a supramolecular architecture of phenazine and deuterated chloranilic acid. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 5010-1	16.4	137
1374	Two-Dimensional Charge-Transport and Spin-Valve Effect in the Layered Antiferromagnet Nd <sub>0.45</sub> Sr <sub>0.55</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>1999</b> , 82, 4316-4319	7.4	137
1373	Striction-Coupled Magnetoresistance in Perovskite-Type Manganese Oxides. <i>Science</i> , <b>1996</b> , 272, 80-82	33.3	136
1372	Formation and rotation of skyrmion crystal in the chiral-lattice insulator Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	135
1371	Robust metastable skyrmions and their triangular-square lattice structural transition in a high-temperature chiral magnet. <i>Nature Materials</i> , <b>2016</b> , 15, 1237-1242	27	134
1370	Large anisotropic deformation of skyrmions in strained crystal. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 589-92	28.7	134
1369	Magnetoelectric nature of skyrmions in a chiral magnetic insulator Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	134
1368	Mobile metallic domain walls in an all-in-all-out magnetic insulator. <i>Science</i> , <b>2015</b> , 350, 538-41	33.3	132
1367	Strongly spin-orbit coupled two-dimensional electron gas emerging near the surface of polar semiconductors. <i>Physical Review Letters</i> , <b>2013</b> , 110, 107204	7.4	132
1366	Anisotropic Magnetoelastic Phenomena in Layered Manganite Crystals: Implication of Change in Orbital State. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5920-5923	7.4	131
1365	Spin-charge-lattice coupled phase transitions in bandwidth-controlled systems: (Nd,Sm) <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>1997</b> , 56, 9386-9396	3.3	130
1364	Coherent orbital waves in the photo-induced insulator-metal dynamics of a magnetoresistive manganite. <i>Nature Materials</i> , <b>2007</b> , 6, 643-7	27	130

1363	Photoinduced phase transition in tetrathiafulvalene-p-chloranil observed in femtosecond reflection spectroscopy. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	130
1362	Magnetic structure of TbMnO <sub>3</sub> by neutron diffraction. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	130
1361	Doping dependence of pseudogap and related charge dynamics in Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2001</b> , 87, 217001	7.4	130
1360	Synthesis of cubic SrCoO <sub>3</sub> single crystal and its anisotropic magnetic and transport properties. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 245601	1.8	128
1359	Magnetic neutron scattering study of YVO <sub>3</sub> : evidence for an orbital Peierls state. <i>Physical Review Letters</i> , <b>2003</b> , 91, 257202	7.4	128
1358	Magnetoresistance in Metallic Crystals of La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>1995</b> , 64, 1885-1888	1.5	128
1357	Optical magnetoelectric effect in the polar GaFeO <sub>3</sub> ferrimagnet. <i>Physical Review Letters</i> , <b>2004</b> , 93, 037403	7.4	127
1356	Quantum Hall effect on top and bottom surface states of topological insulator (Bi <sub>1-x</sub> Sb <sub>x</sub> ) <sub>2</sub> Te <sub>3</sub> films. <i>Nature Communications</i> , <b>2015</b> , 6, 6627	17.4	126
1355	Organic metal electrodes for controlled p- and n-type carrier injections in organic field-effect transistors. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 073504	3.4	125
1354	Epitaxial thin films of ordered double perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> . <i>Applied Physics Letters</i> , <b>1999</b> , 74, 2215-2217	3.4	124
1353	Observation of the magnetic flux and three-dimensional structure of skyrmion lattices by electron holography. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 337-42	28.7	123
1352	Magnetoelectric resonance with electromagnons in a perovskite helimagnet. <i>Nature Physics</i> , <b>2012</b> , 8, 121-125	16.2	123
1351	Low-temperature properties of La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> single crystals: Comparison with La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2000</b> , 61, 8009-8015	3.3	123
1350	Memory functions of magnetic skyrmions. <i>Japanese Journal of Applied Physics</i> , <b>2015</b> , 54, 053001	1.4	121
1349	Photoinduced Phase Transition: A Tool for Generating a Hidden State of Matter. <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 011001	1.5	121
1348	Ultrafast optical switching from an ionic to a neutral state in tetrathiafulvalene-p-chloranil (TTF-CA) observed in femtosecond reflection spectroscopy. <i>Physical Review Letters</i> , <b>2002</b> , 88, 057402	7.4	121
1347	Bandwidth dependence of insulator-metal transitions in perovskite cobalt oxides. <i>Physical Review B</i> , <b>1996</b> , 54, R11022-R11025	3.3	121
1346	Domain-wall dynamics in organic charge-transfer compounds with one-dimensional ferroelectricity. <i>Physical Review Letters</i> , <b>1989</b> , 63, 2405-2408	7.4	121

1345	Soliton Formation at the Neutral-to-Ionic Phase Transition in the Mixed-Stack Charge-Transfer Crystal Tetrathiafulvalene -p- Chloranil. <i>Physical Review Letters</i> , <b>1984</b> , 53, 842-845	7.4	121
1344	Interplay between topological and thermodynamic stability in a metastable magnetic skyrmion lattice. <i>Nature Physics</i> , <b>2016</b> , 12, 62-66	16.2	119
1343	Critical Behavior of the Metal-Insulator Transition in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physical Review Letters</i> , <b>1998</b> , 81, 3203-3206	7.4	119
1342	Current-induced insulator-metal transition and pattern formation in an organic charge-transfer complex. <i>Science</i> , <b>1999</b> , 284, 1645-7	33.3	119
1341	Displacement-type ferroelectricity with off-center magnetic ions in perovskite $\text{Sr}(1-x)\text{Ba}(x)\text{MnO}_3$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 137601	7.4	118
1340	A supramolecular ferroelectric realized by collective proton transfer. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 3497-501	16.4	118
1339	Thermoelectric effect in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physical Review B</i> , <b>1996</b> , 53, R2952-R2955	3.3	118
1338	Metal-insulator transition in $\text{La}_{1-x}\text{Sr}_x\text{TiO}_3$ and $\text{Y}_{1-x}\text{Ca}_x\text{TiO}_3$ investigated by specific-heat measurements. <i>Physical Review B</i> , <b>1993</b> , 48, 7636-7642	3.3	118
1337	Magnetic-field-induced transition in the lattice modulation of colossal magnetoelectric $\text{GdMnO}_3$ and $\text{TbMnO}_3$ compounds. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	116
1336	Singularities in optical spectra of quantum spin chains. <i>Physical Review Letters</i> , <b>1996</b> , 76, 2579-2582	7.4	114
1335	Electric-field control of anomalous and topological Hall effects in oxide bilayer thin films. <i>Nature Communications</i> , <b>2018</b> , 9, 213	17.4	113
1334	Hidden constant in the anomalous Hall effect of high-purity magnet $\text{MnSi}$ . <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	113
1333	Scaling of the Anomalous Hall Effect in $\text{Sr}_{1-x}\text{Ca}_x\text{RuO}_3$ . <i>Physical Review Letters</i> , <b>2004</b> , 93,	7.4	113
1332	Real-Space Observation of Short-Period Cubic Lattice of Skyrmions in $\text{MnGe}$ . <i>Nano Letters</i> , <b>2015</b> , 15, 5438-42	11.4	112
1331	General features of photoinduced spin dynamics in ferromagnetic and ferrimagnetic compounds. <i>Physical Review Letters</i> , <b>2005</b> , 94, 087202	7.4	112
1330	Studies of static magnetic order in electron-superconductors and their parent compounds. <i>Nature</i> , <b>1989</b> , 338, 49-51	50.4	112
1329	Uniaxial stress control of skyrmion phase. <i>Nature Communications</i> , <b>2015</b> , 6, 8539	17.4	111
1328	Control of the ferroelectric properties of $\text{DyMn}_2\text{O}_5$ by magnetic fields. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	111



1327	Ultrafast optical nonlinearity in the quasi-one-dimensional mott insulator Sr <sub>2</sub> CuO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2000</b> , 85, 2204-7	7.4	111
1326	Structural properties and charge-ordering transition in LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>1998</b> , 57, R3205-R3208	3.3	111
1325	Charge ordering and disordering transitions in Pr <sub>1-x</sub> CaxMnO <sub>3</sub> (x=0.4) as investigated by optical spectroscopy. <i>Physical Review B</i> , <b>1998</b> , 57, R9377-R9380	3.3	111
1324	Neutron and electron diffraction study of the electron-doped superconductor Nd <sub>1.845</sub> Ce <sub>0.155</sub> CuO <sub>4</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 158, 433-439	1.3	111
1323	Quantum Hall effect in a bulk antiferromagnet EuMnBi <sub>2</sub> with magnetically confined two-dimensional Dirac fermions. <i>Science Advances</i> , <b>2016</b> , 2, e1501117	14.3	110
1322	Magnon damping by magnon-phonon coupling in manganese perovskites. <i>Physical Review B</i> , <b>2000</b> , 61, 9553-9557	3.3	110
1321	Geometric Hall effects in topological insulator heterostructures. <i>Nature Physics</i> , <b>2016</b> , 12, 555-559	16.2	109
1320	Tuning of electron injections for n-type organic transistor based on charge-transfer compounds. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 063504	3.4	109
1319	Change of electronic structures with carrier doping in the highly correlated electron system Y <sub>1-x</sub> CaxTiO <sub>3</sub> . <i>Physical Review B</i> , <b>1993</b> , 48, 511-518	3.3	109
1318	Versatile helimagnetic phases under magnetic fields in cubic perovskite SrFeO <sub>3</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	108
1317	Electronic structure of PrNiO <sub>3</sub> studied by photoemission and x-ray-absorption spectroscopy: Band gap and orbital ordering. <i>Physical Review B</i> , <b>1995</b> , 52, 13865-13873	3.3	108
1316	Nonlinear optical spectroscopy on one-dimensional excitons in silicon polymer, polysilane. <i>Physical Review Letters</i> , <b>1992</b> , 69, 668-671	7.4	108
1315	Effect of lattice geometry on magnon Hall effect in ferromagnetic insulators. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	107
1314	Nonlinear electric transport and switching phenomenon in the mixed-stack charge-transfer crystal tetrathiafulvalene-p-chloranil. <i>Physical Review B</i> , <b>1988</b> , 38, 2215-2218	3.3	107
1313	Pressure-Enhanced Interplane Tunneling Magnetoresistance in a Layered Manganite Crystal. <i>Physical Review Letters</i> , <b>1997</b> , 79, 3720-3723	7.4	106
1312	X-ray directional dichroism of a polar ferrimagnet. <i>Physical Review Letters</i> , <b>2004</b> , 92, 137401	7.4	105
1311	Bicritical features of the metal-insulator transition in bandwidth-controlled manganites: Single crystals of Pr <sub>1-x</sub> (Ca <sub>1-x</sub> Sr) <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	104
1310	X-Ray Diffuse Scattering due to Polarons in a Colossal Magnetoresistive Manganite. <i>Physical Review Letters</i> , <b>1999</b> , 83, 4389-4392	7.4	104



1309	Possible skyrmion-lattice ground state in the B20 chiral-lattice magnet MnGe as seen via small-angle neutron scattering. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	103
1308	Chirality of matter shows up via spin excitations. <i>Nature Physics</i> , <b>2012</b> , 8, 734-738	16.2	103
1307	Antiferromagnetic order as the competing ground state in electron-doped Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . <i>Nature</i> , <b>2003</b> , 423, 522-5	50.4	103
1306	Critical behavior of metal-insulator transition in La <sub>1-(x)</sub> Sr <sub>(x)</sub> VO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2000</b> , 85, 5388-91	7.1	103
1305	Charge transport in manganites: Hopping conduction, the anomalous Hall effect, and universal scaling. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	103
1304	Noncentrosymmetric Magnets Hosting Magnetic Skyrmions. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603227	24	101
1303	Doping- and pressure-induced change of electrical and magnetic properties in the Mott-Hubbard insulator LaTiO <sub>3</sub> . <i>Physical Review B</i> , <b>1993</b> , 48, 9677-9683	3.3	101
1302	Electronic structure studies on the n-type doped superconductors R <sub>2-x</sub> MxCuO <sub>4-δ</sub> (R=Pr,Nd,Sm; M=Ce,Th) and Nd <sub>2</sub> CuO <sub>4-x</sub> F <sub>x</sub> by electron-energy-loss spectroscopy. <i>Physical Review B</i> , <b>1991</b> , 43, 333-343	3.3	101
1301	New double-sheet copper oxide compounds with BiO or TiO bilayers. <i>Nature</i> , <b>1989</b> , 342, 890-893	50.4	101
1300	Tailoring tricolor structure of magnetic topological insulator for robust axion insulator. <i>Science Advances</i> , <b>2017</b> , 3, eaao1669	14.3	100
1299	Hydrogen-bonding molecular chains for high-temperature ferroelectricity. <i>Advanced Materials</i> , <b>2011</b> , 23, 2098-103	24	100
1298	X-ray resonant scattering studies of orbital and charge ordering in Pr <sub>1-x</sub> CaxMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	100
1297	In-plane and out-of-plane optical spectra of Sr <sub>2</sub> RuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>1996</b> , 76, 126-129	7.4	99
1296	High Mobility Organic Field-Effect Transistor Based on Hexamethylenetetrafulvalene with Organic Metal Electrodes. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 6382-6384	9.6	98
1295	Metallic ferromagnet with square-lattice CoO <sub>2</sub> sheets. <i>Physical Review Letters</i> , <b>2004</b> , 93, 167202	7.4	98
1294	Possible percolation and magnetoresistance in ordered double perovskite alloys Sr <sub>2</sub> Fe(W <sub>1-x</sub> Mox)O <sub>6</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 218, 17-24	2.8	98
1293	Doping dependence of transport properties in Fe <sub>1-x</sub> CoxSi. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	97
1292	Magnetic anisotropy of doped manganite thin films and crystals. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 7064-7066	2.5	97

1291	Structure characterization and magnetic properties of oxide superlattices La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /La <sub>0.6</sub> Sr <sub>0.4</sub> FeO <sub>3</sub> . <i>Physical Review B</i> , <b>1999</b> , 60, 1211-1215	3.3	97
1290	Neutral-to-ionic transition in tetrathiafulvalene-p-chloranil as investigated by optical reflection spectra. <i>Solid State Communications</i> , <b>1982</b> , 43, 757-760	1.6	97
1289	Transport and magnetic properties of a Mott-Hubbard system whose bandwidth and band filling are both controllable: R <sub>1-x</sub> CaxTiO <sub>3+y/2</sub> . <i>Physical Review B</i> , <b>1997</b> , 56, 10145-10153	3.3	96
1288	Insulator-metal transition induced by interlayer coupling in La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> superlattices. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	96
1287	Optical-conductivity spectra of Sr <sub>1-x</sub> La <sub>x</sub> TiO <sub>3</sub> : Filling-dependent effect of the electron correlation. <i>Physical Review B</i> , <b>1992</b> , 46, 11167-11170	3.3	96
1286	Dynamics of multiferroic domain wall in spin-cycloidal ferroelectric DyMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2009</b> , 102, 057604	7.4	95
1285	Critical change of magnetoresistance with bandwidth and doping in perovskite manganites. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 3609-3611	3.4	95
1284	Colossal magnetoresistance without phase separation: disorder-induced spin glass state and nanometer scale orbital-charge correlation in half doped manganites. <i>Physical Review Letters</i> , <b>2004</b> , 93, 227202	7.4	95
1283	Polarons and confinement of electronic motion to two dimensions in a layered manganite. <i>Nature</i> , <b>2006</b> , 440, 1025-8	50.4	94
1282	Spontaneous rearrangement of the checkerboard charge order to stripe order in La <sub>1.5</sub> Sr <sub>0.5</sub> NiO <sub>4</sub> . <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	94
1281	Control of threshold voltage in pentacene thin-film transistors using carrier doping at the charge-transfer interface with organic acceptors. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 153506	3.4	94
1280	Variation of charge-ordering transitions in R <sub>1/3</sub> Sr <sub>2/3</sub> FeO <sub>3</sub> (R=La, Pr, Nd, Sm, and Gd). <i>Physical Review B</i> , <b>1999</b> , 60, 10788-10795	3.3	93
1279	Current-driven dynamics of skyrmions stabilized in MnSi nanowires revealed by topological Hall effect. <i>Nature Communications</i> , <b>2015</b> , 6, 8217	17.4	92
1278	Skyrmion phase and competing magnetic orders on a breathing kagom�lattice. <i>Nature Communications</i> , <b>2019</b> , 10, 5831	17.4	92
1277	Dielectric breakdown of one-dimensional Mott insulators Sr <sub>2</sub> CuO <sub>3</sub> and SrCuO <sub>2</sub> . <i>Physical Review B</i> , <b>2000</b> , 62, 7015-7018	3.3	91
1276	The 2020 skyrmionics roadmap. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 363001	3	90
1275	Observation of the magnetic skyrmion lattice in a MnSi nanowire by Lorentz TEM. <i>Nano Letters</i> , <b>2013</b> , 13, 3755-9	11.5	90
1274	Orbital-order-induced metal-insulator transition in La(1-x)Ca(x)MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2003</b> , 90, 066403	7.4	90

- 1273 Anisotropy of Mott-Hubbard Gap Transitions due to Spin and Orbital Ordering in LaVO<sub>3</sub> and YVO<sub>3</sub>. *Journal of the Physical Society of Japan*, **2002**, 71, 2086-2089 1.5 90
- 1272 Large Unidirectional Magnetoresistance in a Magnetic Topological Insulator. *Physical Review Letters*, **2016**, 117, 127202 7.4 89
- 1271 Molecular Donor-Acceptor Compounds as Prospective Organic Electronics Materials. *Journal of the Physical Society of Japan*, **2006**, 75, 051016 1.5 89
- 1270 Change of electronic properties on the doping-induced insulator-metal transition in La<sub>1-x</sub>Sr<sub>x</sub>VO<sub>3</sub>. *Physical Review B*, **1995**, 52, R2221-R2224 3.3 89
- 1269 Shift current photovoltaic effect in a ferroelectric charge-transfer complex. *Nature Communications*, **2017**, 8, 281 17.4 88
- 1268 Variation of charge dynamics in the course of metal-insulator transition for pyrochlore-type Nd<sub>2</sub>Ir<sub>2</sub>O<sub>7</sub>. *Physical Review Letters*, **2012**, 109, 136402 7.4 88
- 1267 Magnetic, Optical, and Magneto-optical Properties of Spinel-Type ACr<sub>2</sub>X<sub>4</sub> (A=Mn, Fe, Co, Cu, Zn, Cd; X=O, S, Se). *Journal of the Physical Society of Japan*, **2008**, 77, 034713 1.5 88
- 1266 Resonant x-ray diffraction of the magnetoresistant perovskite Pr<sub>0.6</sub>Ca<sub>0.4</sub>MnO<sub>3</sub>. *Physical Review B*, **2004**, 69, 3.3 88
- 1265 Magnetic order and dynamics in an orbitally degenerate ferromagnetic insulator. *Physical Review Letters*, **2002**, 89, 167202 7.4 88
- 1264 Soft x-ray resonant diffraction study of magnetic and orbital correlations in a manganite near half doping. *Physical Review Letters*, **2004**, 92, 237204 7.4 87
- 1263 Ultrafast spin dynamics and critical behavior in half-metallic ferromagnet: Sr<sub>2</sub>FeMoO<sub>6</sub>. *Physical Review Letters*, **2000**, 85, 1986-9 7.4 87
- 1262 Extended Van Hove singularity in a noncuprate layered superconductor Sr<sub>2</sub>RuO<sub>4</sub>. *Physical Review Letters*, **1996**, 76, 3009-3012 7.4 87
- 1261 Terahertz spectroscopy on Faraday and Kerr rotations in a quantum anomalous Hall state. *Nature Communications*, **2016**, 7, 12245 17.4 86
- 1260 Emergent electromagnetism in solids. *Physica Scripta*, **2012**, T146, 014020 2.6 86
- 1259 Electrically driven spin excitation in the ferroelectric magnet DyMnO<sub>3</sub>. *Physical Review B*, **2008**, 78, 3.3 86
- 1258 Inverse tunnel magnetoresistance in all-perovskite junctions of La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub>/SrTiO<sub>3</sub>/SrRuO<sub>3</sub>. *Physical Review B*, **2003**, 67, 3.3 86
- 1257 Anticorrelation between ferromagnetism and ferroelectricity in perovskite manganites. *Physical Review B*, **2005**, 72, 3.3 86
- 1256 Magnetic-Field-Induced Metal-Insulator Transition in Pr<sub>0.7</sub>Ca<sub>0.3</sub>MnO<sub>3</sub>. *Journal of the Physical Society of Japan*, **1996**, 65, 1043-1052 1.5 86

1255	Current-Nonlinear Hall Effect and Spin-Orbit Torque Magnetization Switching in a Magnetic Topological Insulator. <i>Physical Review Letters</i> , <b>2017</b> , 119, 137204	7.4	85
1254	Anisotropic optical spectra in a detwinned LaMnO <sub>3</sub> crystal. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	85
1253	Photoinduced transition from Mott insulator to metal in the undoped cuprates Nd <sub>2</sub> CuO <sub>4</sub> and La <sub>2</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	84
1252	Rotation of orbital stripes and the consequent charge-polarized state in bilayer manganites. <i>Nature Materials</i> , <b>2006</b> , 5, 937-41	27	84
1251	Magnetotransport properties and magnetostructural phenomenon in single crystals of La <sub>0.7</sub> (Ca <sub>1-x</sub> Sr <sub>x</sub> ) <sub>0.3</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2000</b> , 63,	3.3	84
1250	Optical study of Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> (x=0.4) in a magnetic field: Variation of electronic structure with charge ordering and disordering phase transitions. <i>Physical Review B</i> , <b>1999</b> , 59, 7401-7408	3.3	84
1249	Quantum Hall states observed in thin films of Dirac semimetal CdAs. <i>Nature Communications</i> , <b>2017</b> , 8, 2274	17.4	82
1248	Ultrafast photoinduced insulator-ferromagnet transition in the perovskite manganite Gd <sub>0.55</sub> Sr <sub>0.45</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2007</b> , 99, 207401	7.4	82
1247	LaMnO <sub>3</sub> /BrMnO <sub>3</sub> interfaces with coupled charge-spin-orbital modulation. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 052506	3.4	82
1246	Metal-insulator transition of ferromagnetic ordered double perovskites: (Sr <sub>1-x</sub> Ca <sub>x</sub> ) <sub>2</sub> FeReO <sub>6</sub> . <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	82
1245	Mesoscopic thermodynamics of an inhomogeneous colossal-magnetoresistive phase. <i>Physical Review Letters</i> , <b>2000</b> , 84, 3442-5	7.4	82
1244	Hall effect in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>1998</b> , 58, 47-50	3.3	82
1243	Hydrogen-bonded donor-acceptor compounds for organic ferroelectric materials. <i>Chemical Communications</i> , <b>2007</b> , 2321-9	5.8	81
1242	Highly rectifying Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> /BrTi <sub>0.9998</sub> Nb <sub>0.0002</sub> O <sub>3</sub> p-n junction. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 112508	3.4	81
1241	Stripe-type charge ordering in the metallic A-type antiferromagnet Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	81
1240	Spectra of one-dimensional excitons in polysilanes with various backbone conformations. <i>Physical Review B</i> , <b>1993</b> , 47, 4363-4371	3.3	81
1239	Néel-Type Skyrmion Lattice in the Tetragonal Polar Magnet VOSe <sub>2</sub> O <sub>5</sub> . <i>Physical Review Letters</i> , <b>2017</b> , 119, 237201	7.4	80
1238	Structural and magnetic properties of Sr <sub>2</sub> Fe <sub>1+x</sub> Mo <sub>1-x</sub> O <sub>6</sub> (0 ≤ x ≤ 0.25). <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	80

- 1237 Optical spectra in polydiacetylene crystals substituted with fluorobenzenes. *Journal of Chemical Physics*, **1986**, 85, 99-104 3.9 80
- 1236 Ultrafast charge dynamics in photoexcited Nd<sub>2</sub>CuO<sub>4</sub> and La<sub>2</sub>CuO<sub>4</sub> cuprate compounds investigated by femtosecond absorption spectroscopy. *Physical Review B*, **2010**, 82, 3.3 79
- 1235 Bulk rectification effect in a polar semiconductor. *Nature Physics*, **2017**, 13, 578-583 16.2 78
- 1234 Polaron motional narrowing of electron spin resonance in organic field-effect transistors. *Physical Review Letters*, **2008**, 100, 126601 7.4 78
- 1233 Magnetic-field-induced polarization and depolarization in HoMn<sub>2</sub>O<sub>5</sub> and ErMn<sub>2</sub>O<sub>5</sub>. *Physical Review B*, **2005**, 72, 3.3 78
- 1232 Chemical potential shift in Nd<sub>2-x</sub>Ce<sub>x</sub>CuO<sub>4</sub>: Contrasting behavior between the electron- and hole-doped cuprates. *Physical Review B*, **2001**, 64, 3.3 78
- 1231 Ordered stack of spin valves in a layered magnetoresistive perovskite. *Physical Review B*, **1998**, 58, R14693-R14696 3.3 77
- 1230 Spectral dependence of photoinduced spin precession in DyFeO<sub>3</sub>. *Physical Review B*, **2011**, 84, 3.3 77
- 1229 Magnetic-order-induced crystal symmetry lowering in ACr<sub>2</sub>O<sub>4</sub> ferrimagnetic spinels. *Physical Review Letters*, **2009**, 103, 077205 7.4 77
- 1228 Experimental determination of excitonic structure in polythiophene. *Physical Review B*, **1997**, 56, 9552-9556 3.3 77
- 1227 Field-effect transistor on SrTiO<sub>3</sub> with sputtered Al<sub>2</sub>O<sub>3</sub> gate insulator. *Applied Physics Letters*, **2003**, 83, 1755-1757 3.4 77
- 1226 Dynamics of photoinduced melting of charge/orbital order in a layered manganite La<sub>0.5</sub>Sr<sub>1.5</sub>MnO<sub>4</sub>. *Physical Review B*, **2001**, 63, 3.3 77
- 1225 Spectral weight transfer of the optical conductivity in doped Mott insulators. *Physical Review Letters*, **1995**, 75, 3497-3500 7.4 77
- 1224 Intrinsic negative-resistance effect in mixed-stack charge-transfer crystals. *Physical Review B*, **1989**, 39, 10441-10444 3.3 77
- 1223 Nanometric square skyrmion lattice in a centrosymmetric tetragonal magnet. *Nature Nanotechnology*, **2020**, 15, 444-449 28.7 76
- 1222 Excess-electron induced polarization and magnetoelectric effect in yttrium iron garnet. *Physical Review B*, **2010**, 82, 3.3 76
- 1221 Proton dynamics and room-temperature ferroelectricity in anilate salts with a proton sponge. *Journal of the American Chemical Society*, **2008**, 130, 13382-91 16.4 76
- 1220 Variation of the electronic structure in systematically synthesized Sr<sub>2</sub>MO<sub>4</sub> (M = Ti, V, Cr, Mn, and Co). *Physical Review Letters*, **2005**, 95, 176404 7.4 76

1219	Reversible and irreversible thermochromic phase transitions in single crystals of polydiacetylenes substituted with alkyl-urethanes. <i>Journal of Chemical Physics</i> , <b>1990</b> , 92, 7581-7588	3.9	76
1218	One-way transparency of four-coloured spin-wave excitations in multiferroic materials. <i>Nature Communications</i> , <b>2014</b> , 5, 3203	17.4	75
1217	Sub-picosecond photo-induced melting of a charge-ordered state in a perovskite manganite. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 71, 211-215	1.9	75
1216	Resonant-photoemission study of Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>1990</b> , 41, 7205-7208	3.3	75
1215	Temperature-induced neutral-ionic transition in tetramethylbenzidine-tetracyanoquinodimethane (TMB-TCNQ). <i>Physical Review B</i> , <b>1990</b> , 42, 2374-2377	3.3	75
1214	Magnetoelasticity in ACr <sub>2</sub> O <sub>4</sub> spinel oxides (A= Mn, Fe, Co, Ni, and Cu). <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	74
1213	New phase transition in the Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> system: evidence for electrical polarization in charge ordered manganites. <i>Physical Review Letters</i> , <b>2008</b> , 100, 155702	7.4	74
1212	Cu K-edge x-ray-absorption near-edge structure and electronic structure of Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4-y</sub> and La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>1990</b> , 41, 131-137	3.3	74
1211	Evidence for an electric-dipole active continuum band of spin excitations in multiferroic TbMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2008</b> , 101, 187201	7.4	73
1210	Neutron diffraction study of YVO <sub>3</sub> , NdVO <sub>3</sub> , and TbVO <sub>3</sub> . <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	73
1209	Doping effect on the transport and optical properties of P-type and N-type cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 1677-1680	1.3	73
1208	Quantized chiral edge conduction on domain walls of a magnetic topological insulator. <i>Science</i> , <b>2017</b> , 358, 1311-1314	33.3	72
1207	Enhanced electron-lattice coupling in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> near the metal-insulator phase boundary. <i>Physical Review B</i> , <b>1997</b> , 56, 12190-12195	3.3	72
1206	Quantitative determination of the atomic scattering tensor in orbitally ordered YTiO <sub>3</sub> by using a resonant x-ray scattering technique. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	72
1205	Electric conductivity and phase diagram of a mixed-stack charge-transfer crystal: Tetrathiafulvalene-p-chloranil. <i>Physical Review B</i> , <b>1987</b> , 35, 427-429	3.3	72
1204	Multicritical phase diagram of the electronic states in Sm <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (0.3. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	71
1203	Technique for bulk Fermiology by photoemission applied to layered ruthenates. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	71
1202	Change of electronic structure in Ca <sub>2</sub> RuO <sub>4</sub> induced by orbital ordering. <i>Physical Review Letters</i> , <b>2003</b> , 91, 056403	7.4	71



1201	Generation of Electric Polarization with Rotating Magnetic Field in Helimagnet ZnCr <sub>2</sub> Se <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 043709	1.5	70
1200	Cycloidal spin order in the a-axis polarized ferroelectric phase of orthorhombic perovskite manganite. <i>Physical Review Letters</i> , <b>2008</b> , 101, 097204	7.4	70
1199	Semiconducting ferromagnetic states in La <sub>1-x</sub> Sr <sub>1+x</sub> CoO <sub>4</sub> . <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	70
1198	Ferroelectric phase transitions of 3d-spin origin in Eu <sub>1-x</sub> Y <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	70
1197	Photoemission spectral weight distribution in Y <sub>1-x</sub> CaxTiO <sub>3</sub> . <i>Physical Review B</i> , <b>1996</b> , 54, 8446-8451	3.3	70
1196	Electro-reflectance spectra of one-dimensional excitons in polydiacetylene crystals. <i>Chemical Physics</i> , <b>1984</b> , 88, 437-442	2.3	70
1195	Neutron diffraction studies on the multiferroic conical magnet Ba <sub>2</sub> Mg <sub>2</sub> Fe <sub>12</sub> O <sub>22</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	69
1194	Electrical properties of Ta-doped SnO <sub>2</sub> thin films epitaxially grown on TiO <sub>2</sub> substrate. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 132109	3.4	69
1193	Optical spectra of Y <sub>1-x</sub> CaxVO <sub>3</sub> : Change of electronic structures with hole doping in Mott-Hubbard insulators. <i>Physical Review B</i> , <b>1993</b> , 47, 6197-6202	3.3	69
1192	Critical phenomena of emergent magnetic monopoles in a chiral magnet. <i>Nature Communications</i> , <b>2016</b> , 7, 11622	17.4	68
1191	Optical response of relativistic electrons in the polar BiTeI semiconductor. <i>Physical Review Letters</i> , <b>2011</b> , 107, 117401	7.4	68
1190	Topological spin textures in the helimagnet FeGe. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	68
1189	Temperature-dependent pseudogaps in colossal magnetoresistive oxides. <i>Physical Review B</i> , <b>2000</b> , 62, 1039-1043	3.3	68
1188	Variation of charge-orbital correlation with Cr doping in manganites. <i>Physical Review B</i> , <b>2000</b> , 62, 15021-15025	3.5	68
1187	Spontaneous bubble domain formation in a layered ferromagnetic crystal. <i>Science</i> , <b>1999</b> , 284, 1969-71	33.3	68
1186	Magnetochiral nonreciprocity of volume spin wave propagation in chiral-lattice ferromagnets. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	67
1185	Magnetic anisotropy control of SrRuO <sub>3</sub> films by tunable epitaxial strain. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 2590-2592	3.4	67
1184	Anomalous Valence Fluctuation Near a Ferroelectric Transition in an Organic Charge-Transfer Complex. <i>Journal of the Physical Society of Japan</i> , <b>2000</b> , 69, 1302-1305	1.5	67



1183	Dielectric Breakdown of the Insulating Charge-Ordered State in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ . <i>Physical Review Letters</i> , <b>1999</b> , 83, 5555-5558	7.4	67
1182	Magnetic Field-Induced Insulator-Semimetal Transition in a Pyrochlore $\text{Nd}_2\text{Ir}_2\text{O}_7$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 056402	7.4	66
1181	High-temperature and pressure-induced ferroelectricity in hydrogen-bonded supramolecular crystals of anilic acids and 2,3-di(2-pyridinyl)pyrazine. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4492-500	16.4	66
1180	Magnetically driven ferroelectric atomic displacements in orthorhombic $\text{YMnO}_3$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	66
1179	Nature of the transition between a ferromagnetic metal and a spin-glass insulator in pyrochlore molybdates. <i>Physical Review Letters</i> , <b>2007</b> , 99, 086401	7.4	66
1178	Static and dynamic order of cooperative multi-electron transfer. <i>Europhysics Letters</i> , <b>2002</b> , 59, 619-625	1.6	66
1177	Ferroelectric valence transition and phase diagram of a series of charge-transfer complexes of 4,4'-dimethyltetrathiafulvalene and tetrahalo-p-benzoquinones. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 665-70	16.4	66
1176	Charge-transfer excitation bands in electro-absorption spectra of metal (Co, Ni, Cu, Zn)-phthalocyanine films. <i>Chemical Physics</i> , <b>1986</b> , 109, 375-382	2.3	65
1175	Magnetic Skyrmion Materials. <i>Chemical Reviews</i> , <b>2021</b> , 121, 2857-2897	68.1	65
1174	Electrically tunable anomalous Hall effect in Pt thin films. <i>Physical Review Letters</i> , <b>2013</b> , 111, 216803	7.4	64
1173	Variation of Topology in Magnetic Bubbles in a Colossal Magnetoresistive Manganite. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603958	24	64
1172	Photoinduced spin dynamics in $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ observed by time-resolved magneto-optical Kerr spectroscopy. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	64
1171	Successive structural transitions coupled with magnetotransport properties in $\text{LaSr}_2\text{Mn}_2\text{O}_7$ . <i>Physical Review B</i> , <b>1998</b> , 58, 11081-11084	3.3	64
1170	Ionic-to-neutral phase transformation induced by photoexcitation of the charge-transfer band in tetrathiafulvalene-p-chloranil crystals. <i>Physical Review B</i> , <b>1999</b> , 60, 6191-6193	3.3	64
1169	Chemical approach to neutral-ionic valence instability, quantum phase transition, and relaxor ferroelectricity in organic charge-transfer complexes. <i>Chemical Physics</i> , <b>2006</b> , 325, 78-91	2.3	63
1168	Epitaxial growth and valence control of strained perovskite $\text{SrFeO}_3$ films. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 622-624	3.4	63
1167	Low-temperature transport properties in a bilayered manganite $\text{La}_{1.3}\text{Sr}_{1.7}\text{Mn}_2\text{O}_7$ . <i>Physical Review B</i> , <b>1999</b> , 60, 3370-3374	3.3	63
1166	Photodrive of magnetic bubbles via magnetoelastic waves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8977-81	11.5	62

- 1165 Skyrmion lattice structural transition in MnSi. *Science Advances*, **2017**, 3, e1602562 14.3 62
- 1164 Origin of the large polarization in multiferroic YMnO<sub>3</sub> thin films revealed by soft- and hard-X-ray diffraction. *Physical Review Letters*, **2012**, 108, 047203 7.4 62
- 1163 Cupric chloride CuCl<sub>2</sub> as an S=12 chain multiferroic. *Physical Review B*, **2010**, 82, 3.3 62
- 1162 Quantum phase transition in K<sub>3</sub>D<sub>1-x</sub>H<sub>x</sub>(SO<sub>4</sub>)<sub>2</sub>. *Physical Review Letters*, **1993**, 71, 2833-2836 7.4 62
- 1161 Exciton states of polysilanes as investigated by electro-absorption spectra. *Solid State Communications*, **1990**, 75, 5-9 1.6 62
- 1160 Discretized topological Hall effect emerging from skyrmions in constricted geometry. *Physical Review B*, **2015**, 91, 3.3 61
- 1159 Enhanced photogalvanic current in topological insulators via Fermi energy tuning. *Physical Review B*, **2016**, 93, 3.3 61
- 1158 Stress-Induced Perpendicular Magnetization in Epitaxial Iron Garnet Thin Films. *Applied Physics Express*, **2012**, 5, 103002 2.4 61
- 1157 Bandwidth-control-induced insulator-metal transition in Pr<sub>0.65</sub>(Ca<sub>1-x</sub>Sr<sub>x</sub>)<sub>0.35</sub>MnO<sub>3</sub> and Pr<sub>0.7</sub>Ca<sub>0.3</sub>MnO<sub>3</sub>. *Physical Review B*, **1997**, 55, 2729-2732 3.3 61
- 1156 Reentrant Transition of the Charge-Ordered State in Perovskite Manganites. *Journal of the Physical Society of Japan*, **1997**, 66, 302-305 1.5 61
- 1155 Control of magnetic-field effect on electroluminescence in Alq<sub>3</sub>-based organic light emitting diodes. *Applied Physics Letters*, **2006**, 88, 123501 3.4 61
- 1154 Magnetization-induced second harmonic generation in a polar ferromagnet. *Physical Review Letters*, **2004**, 92, 047401 7.4 61
- 1153 Critical control of competition between metallic ferromagnetism and charge/orbital correlation in single crystals of perovskite manganites. *Physical Review B*, **2003**, 68, 3.3 61
- 1152 Optical spectroscopy of the metal-insulator transition in NdNiO<sub>3</sub>. *Physical Review B*, **1995**, 51, 4830-4835 3.3 61
- 1151 Optical excitations in CuO<sub>2</sub> sheets and their strong dependence on Cu-O coordination and bond length. *Physical Review B*, **1991**, 44, 917-920 3.3 61
- 1150 Topological transitions among skyrmion- and hedgehog-lattice states in cubic chiral magnets. *Nature Communications*, **2019**, 10, 1059 17.4 60
- 1149 Transition to and from the skyrmion lattice phase by electric fields in a magnetoelectric compound. *Nature Communications*, **2016**, 7, 12669 17.4 60
- 1148 Coupled Skyrmion sublattices in Cu(2)OSeO(3). *Physical Review Letters*, **2014**, 112, 167202 7.4 60

1147	Superconductivity in $\text{Cu}_x\text{IrTe}_2$ driven by interlayer hybridization. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	60
1146	Insulator-metal transition driven by change of doping and spin-orbit interaction in $\text{Sr}_2\text{IrO}_4$ . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	60
1145	Terahertz time-domain spectroscopy of electromagnons in multiferroic perovskite manganites [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2009</b> , 26, A35	1.7	60
1144	Soft X-ray magnetic circular dichroism study of the colossal magnetoresistance compound $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1997</b> , 86, 115-118	1.7	60
1143	Anisotropic spin waves in a metallic antiferromagnet $\text{Nd}_{0.45}\text{Sr}_{0.55}\text{MnO}_3$ . <i>Physical Review B</i> , <b>1998</b> , 58, R571-R574	3.3	60
1142	Coherent control of charge and lattice dynamics in a photoinduced neutral-to-ionic transition of a charge-transfer compound. <i>Physical Review Letters</i> , <b>2006</b> , 96, 057403	7.4	60
1141	Organic hydrogen-bonded dielectrics: Quantum paraelectricity based on tautomerization of 9-hydroxyphenalenone derivatives. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 7971-7974	3.9	60
1140	Stability of two-dimensional skyrmions in thin films of $\text{Mn}_{1-x}\text{Fe}_x\text{Si}$ investigated by the topological Hall effect. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	59
1139	Anomalous ferromagnetic spin fluctuations in an antiferromagnetic insulator $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Physical Review B</i> , <b>1998</b> , 58, R11837-R11840	3.3	59
1138	Magneto-optical Kerr effects in perovskite-type transition-metal oxides: $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ and $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ . <i>Physical Review B</i> , <b>1998</b> , 58, 6862-6870	3.3	59
1137	Optical response to orbital and charge ordering in a layered manganite: $\text{La}_{1/2}\text{Sr}_{3/2}\text{MnO}_4$ . <i>Physical Review B</i> , <b>1999</b> , 59, 8367-8370	3.3	59
1136	Effect of Substitutional Impurities on the Neutral-to-Ionic Phase Transition in TTF-p-Chloranil Crystal. <i>Journal of the Physical Society of Japan</i> , <b>1984</b> , 53, 4445-4455	1.5	59
1135	Spectroscopic Study Of The Neutral-To-Ionic Phase Transition In Ttf-Chloranil. <i>Molecular Crystals and Liquid Crystals</i> , <b>1985</b> , 125, 71-80		59
1134	Variation of skyrmion forms and their stability in $\text{MnSi}$ thin plates. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	58
1133	Charge-cluster glass in an organic conductor. <i>Nature Physics</i> , <b>2013</b> , 9, 419-422	16.2	58
1132	Multiferroicity in an orthorhombic $\text{YMnO}_3$ single-crystal film. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 082902	3.4	58
1131	Control of the anomalous hall effect by doping in $\text{Eu}_{(1-x)}\text{La}_x\text{TiO}_3$ thin films. <i>Physical Review Letters</i> , <b>2009</b> , 103, 057204	7.4	58
1130	Raman study of spin and orbital order and excitations in perovskite-type $\text{RVO}_3$ ( $\text{R}=\text{La}$ , $\text{Nd}$ , and $\text{Y}$ ). <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	58

1129	Magnetic field induced sign reversal of the anomalous Hall effect in a pyrochlore ferromagnet Nd <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> : evidence for a spin chirality mechanism. <i>Physical Review Letters</i> , <b>2003</b> , 90, 257202	7.4	58
1128	Raman spectroscopy of the charge-orbital ordering in layered manganites. <i>Physical Review B</i> , <b>2000</b> , 61, 14706-14715	3.3	58
1127	Quadrupolar effect in the perovskite manganite La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2000</b> , 62, 15012-15020	3.3	58
1126	Quantum paraelectricity and subsequent disappearance of bond alternation of molecule caused by proton dynamics in squaric acid crystal. <i>Physical Review Letters</i> , <b>1991</b> , 67, 2041-2044	7.4	58
1125	Gauge fields in real and momentum spaces in magnets: monopoles and skyrmions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2012</b> , 370, 5806-19	3	57
1124	Low temperature metallic state induced by electrostatic carrier doping of SrTiO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2006</b> , 89, 133504	3.4	57
1123	Stability of a photoinduced insulator-metal transition in Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>1998</b> , 57, R15033-R15036	3.3	57
1122	Switching behavior of epitaxial perovskite manganite thin films. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 1473-1475	3.4	57
1121	Angle-resolved photoemission study of Sr <sub>2</sub> RuO <sub>4</sub> . <i>Physical Review B</i> , <b>1996</b> , 54, 13311-13318	3.3	57
1120	Pressure-induced disappearance of the in-plane lattice distortion in layered cupric chloride: (C <sub>2</sub> H <sub>5</sub> NH <sub>3</sub> ) <sub>2</sub> CuCl <sub>4</sub> . <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 1763-1766	3.9	57
1119	Controlled transformation of skyrmions and antiskyrmions in a non-centrosymmetric magnet. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 181-186	28.7	56
1118	Large Anomalous Hall Effect in Topological Insulators with Proximitized Ferromagnetic Insulators. <i>Physical Review Letters</i> , <b>2019</b> , 123, 016804	7.4	56
1117	Dirac electron states formed at the heterointerface between a topological insulator and a conventional semiconductor. <i>Nature Materials</i> , <b>2014</b> , 13, 253-7	27	56
1116	Growth of superconducting Sr <sub>2</sub> RuO <sub>4</sub> thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 082502	3.4	56
1115	Ultrafast magnetization dynamics of antiferromagnetic compounds. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 164005	3	56
1114	d-d excitations in manganites probed by resonant inelastic x-ray scattering. <i>Physical Review Letters</i> , <b>2005</b> , 94, 047203	7.4	56
1113	Observation of the quantum Hall effect in doped SrTiO <sub>3</sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 11631	17.4	56
1112	Infrared-sensitive electrochromic device based on VO <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2013</b> , 103, 153503	3.4	55

1111	Determination of the orbital moment and crystal-field splitting in LaTiO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2005</b> , 94, 056401	7-4	55
1110	Large third-order optical nonlinearity of Cu-O chains investigated by third-harmonic generation spectroscopy. <i>Physical Review Letters</i> , <b>2001</b> , 87, 177401	7-4	55
1109	Optical probe of anisotropic and incoherent charge dynamics in a layered ferromagnet: La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>1998</b> , 57, R8079-R8082	3-3	55
1108	Optical spectroscopy of charge-ordering transition in La <sub>1/3</sub> Sr <sub>2/3</sub> FeO <sub>3</sub> . <i>Physical Review B</i> , <b>1998</b> , 58, R13326-R13329	3-3	55
1107	Quantum ferroelectricity in charge-transfer complex crystals. <i>Nature Communications</i> , <b>2015</b> , 6, 7469	17-4	54
1106	Electron-doped superconductor La <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> : Preparation of thin films and modified doping range for superconductivity. <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	54
1105	Perovskite oxide tricolor superlattices with artificially broken inversion symmetry by interface effects. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 4793-4795	3-4	54
1104	Raman Scattering of the Charge-Spin Stripes in La <sub>1.67</sub> Sr <sub>0.33</sub> NiO <sub>4</sub> . <i>Physical Review Letters</i> , <b>1998</b> , 80, 1493-1496	3-4	54
1103	Transport and magnetic properties of a ferromagnetic metal: Eu <sub>1-x</sub> R <sub>x</sub> TiO <sub>3</sub> . <i>Physical Review B</i> , <b>1999</b> , 60, R15021-R15023	3-3	54
1102	Highly oriented polydiacetylene films by vacuum deposition. <i>Applied Physics Letters</i> , <b>1987</b> , 51, 1957-1959	3-4	54
1101	Topological Nernst effect in a three-dimensional skyrmion-lattice phase. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	53
1100	High pressure effects revisited for the cuprate superconductor family with highest critical temperature. <i>Nature Communications</i> , <b>2015</b> , 6, 8990	17-4	53
1099	Submicron-scale spatial feature of ultrafast photoinduced magnetization reversal in TbFeCo thin film. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 162507	3-4	53
1098	Improved tunneling magnetoresistance in interface engineered (La,Sr)MnO <sub>3</sub> junctions. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 042509	3-4	53
1097	Linear and nonlinear optical properties of one-dimensional Mott insulators consisting of Ni-halogen chain and CuO-chain compounds. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	53
1096	Angle-resolved photoemission spectral function analysis of the electron-doped cuprate Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2003</b> , 68,	3-3	53
1095	Competition between lattice distortion and charge dynamics for the charge carriers of double-layered manganites. <i>Physical Review B</i> , <b>1998</b> , 58, R13330-R13333	3-3	53
1094	Switching effect in organic charge transfer complex crystals. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 2111-2113	3-4	53

- 1093 Photo-and thermo-chromism in vacuum-deposited polydiacetylene films. *Solid State Communications*, **1985**, 56, 803-807 1.6 53
- 1092 Strongly Correlated Electronic Materials: Present and Future. *MRS Bulletin*, **2008**, 33, 1037-1045 3.2 52
- 1091 Rotation of an electric polarization vector by rotating magnetic field in cycloidal magnet Eu<sub>0.55</sub>Y<sub>0.45</sub>MnO<sub>3</sub>. *Physical Review Letters*, **2008**, 101, 197207 7.4 52
- 1090 Quasiparticlelike peaks, kinks, and electron-phonon coupling at the ( $\pi$ ,0) regions in the CMR oxide La<sub>2-2x</sub>Sr<sub>1+2x</sub>Mn<sub>2</sub>O<sub>7</sub>. *Physical Review Letters*, **2006**, 97, 056401 7.4 52
- 1089 Critical behavior in LaTiO<sub>3</sub>+ $\delta$  in the vicinity of antiferromagnetic instability. *Physical Review B*, **1999**, 59, 7917-7924 3.3 52
- 1088 Optical spectra of Pr<sub>2-x</sub>Ce<sub>x</sub>CuO<sub>4</sub>- $\delta$  crystals: Evolution of in-gap states with electron doping. *Physical Review B*, **1993**, 48, 6597-6603 3.3 52
- 1087 Metal-insulator transition and antiferromagnetic order in bis(ethylenedithio)tetrathiafulvalene tetracyanoquinodimethane (BEDT-TTF)(TCNQ). *Physical Review B*, **1994**, 49, 3580-3583 3.3 52
- 1086 In-plane and out-of-plane thermal conductivity of La<sub>2</sub>BrCuO<sub>4</sub> single crystals. *Physica C: Superconductivity and Its Applications*, **1991**, 185-189, 1409-1410 1.3 52
- 1085 Optical study of structural phase transition in organic charge-transfer crystals K- and Rb-tetracyanoquinodimethane. *Physical Review B*, **1987**, 36, 3858-3867 3.3 52
- 1084 Quantum magnetoelectric effect in iron garnet. *Physical Review B*, **2009**, 80, 3.3 51
- 1083 Structural assignment of polarization in hydrogen-bonded supramolecular ferroelectrics. *Journal of the American Chemical Society*, **2007**, 129, 12920-1 16.4 51
- 1082 Depressed charge gap in the triangular-lattice Mott insulator (ET)<sub>2</sub>Cu<sub>2</sub>(CN)<sub>3</sub>. *Physical Review B*, **2006**, 74, 3.3 51
- 1081 Neutral-ionic phase separation and one-dimensional ferroelectricity in organic relaxors. *Physical Review Letters*, **2000**, 85, 5210-3 7.4 51
- 1080 Barely metallic states with enhanced carrier mass in Y<sub>1-x</sub>CaxTiO<sub>3</sub>. *Physical Review B*, **1993**, 48, 14063-14066 3.3 51
- 1079 Pressure-induced neutral-to-ionic phase transition in TTF-p-chloranil studied by infrared vibrational spectroscopy. *Solid State Communications*, **1986**, 57, 607-610 1.6 51
- 1078 Polarization switching ability dependent on multidomain topology in a uniaxial organic ferroelectric. *Nano Letters*, **2014**, 14, 239-43 11.5 50
- 1077 Magnetic-field induced competition of two multiferroic orders in a triangular-lattice helimagnet MnI<sub>2</sub>. *Physical Review Letters*, **2011**, 106, 167206 7.4 50
- 1076 High-pressure hydrothermal crystal growth and multiferroic properties of a perovskite YMnO<sub>3</sub>. *Journal of the American Chemical Society*, **2011**, 133, 13818-20 16.4 50



1075	Electric-dipole-active magnetic resonance in the conical-spin magnet Ba <sub>2</sub> Mg <sub>2</sub> Fe <sub>12</sub> O <sub>22</sub> . <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	50
1074	Resonant Magnetoelectric X-ray Scattering in GaFeO <sub>3</sub> : Observation of Ordering of Toroidal Moments. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 1419-1422	1.5	50
1073	Surface electronic structure of Sr <sub>2</sub> RuO <sub>4</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	50
1072	Spin state and metal-insulator transition in LaCoO <sub>3</sub> and RCoO <sub>3</sub> (R=Nd, Sm and Eu). <i>Physica B: Condensed Matter</i> , <b>2000</b> , 281-282, 510-511	2.8	50
1071	Tuning structural instability toward enhanced magnetocaloric effect around room temperature in MnCo(1-x)Zn(x)Ge. <i>Scientific Reports</i> , <b>2014</b> , 4, 7544	4.9	49
1070	Insulator-to-Superconductor Transition upon Electron Doping in a BiS <sub>2</sub> -Based Superconductor Sr <sub>1-x</sub> La <sub>x</sub> FBiS <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 014709	1.5	49
1069	Spin-orbital superstructure in strained ferrimagnetic perovskite cobalt oxide. <i>Physical Review Letters</i> , <b>2013</b> , 111, 027206	7.4	49
1068	On-Substrate Synthesis of Molecular Conductor Films and Circuits. <i>Advanced Materials</i> , <b>2007</b> , 19, 3248-3251	3.1	49
1067	Doping dependence of the anomalous Hall effect in La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> . <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	49
1066	Nonlinear magneto-optical kerr rotation of an oxide superlattice with artificially broken symmetry. <i>Physical Review Letters</i> , <b>2003</b> , 90, 217403	7.4	49
1065	Perovskite superlattices as tailored materials of correlated electrons. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2001</b> , 84, 53-57	3.1	49
1064	Spectacular doping dependence of interlayer exchange and other results on spin waves in bilayer manganites. <i>Physical Review Letters</i> , <b>2001</b> , 87, 217201	7.4	49
1063	Spin-stretching modes in anisotropic magnets: spin-wave excitations in the multiferroic Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>2012</b> , 108, 257203	7.4	48
1062	Quantitative analysis of Sr <sub>2</sub> RuO <sub>4</sub> angle-resolved photoemission spectra: Many-body interactions in a model Fermi liquid. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	48
1061	Charge/orbital ordering in perovskite manganites. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 326, 27-35	5.7	48
1060	Magnetotransport phenomena in a metallic ferromagnet on the verge of Mott transition: Sm <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>1999</b> , 60, 10280-10283	3.3	48
1059	Dynamics of a photoinduced phase transition in polydiacetylene crystals. <i>Physical Review B</i> , <b>1995</b> , 52, 6265-6272	3.3	48
1058	New family of layered copper oxide compounds with ordered cations: Prospective high-temperature superconductors. <i>Physical Review B</i> , <b>1989</b> , 40, 2568-2571	3.3	48



1057	Weyl fermions and spin dynamics of metallic ferromagnet SrRuO <sub>3</sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 11788-11794	7.4	48
1056	Disordered skyrmion phase stabilized by magnetic frustration in a chiral magnet. <i>Science Advances</i> , <b>2018</b> , 4, eaar7043	14.3	48
1055	Anomalous domain-wall conductance in pyrochlore-type Nd <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> on the verge of the metal-insulator transition. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	47
1054	Pulsed Laser Deposition and Ionic Liquid Gate Control of Epitaxial Bi <sub>2</sub> Se <sub>3</sub> Thin Films. <i>Applied Physics Express</i> , <b>2011</b> , 4, 083001	2.4	47
1053	Change in charge and orbital alignment upon antiferromagnetic transition in the A-site-ordered perovskite manganese oxide RBaMn <sub>2</sub> O <sub>6</sub> (R=Tb and Sm). <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	47
1052	La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> superlattices composed of ferromagnetic x=0.4 and antiferromagnetic x=0.55 layers. <i>Physical Review B</i> , <b>2000</b> , 61, 12187-12195	3.3	47
1051	Anomalous Pseudogap Formation in a Nonsuperconducting Crystal of Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4+y</sub> : Implication of Charge Ordering. <i>Physical Review Letters</i> , <b>1999</b> , 82, 5120-5123	7.4	47
1050	Electron and hole doping in Nd-based cuprates with single-layer CuO <sub>2</sub> sheets: Role of doped Ce ions and 30-K superconductivity. <i>Physical Review B</i> , <b>1989</b> , 39, 9704-9707	3.3	47
1049	Ultrafast optical excitation of magnetic skyrmions. <i>Scientific Reports</i> , <b>2015</b> , 5, 9552	4.9	46
1048	Anomalous Hall effect derived from multiple Weyl nodes in high-mobility EuTiO films. <i>Science Advances</i> , <b>2018</b> , 4, eaar7880	14.3	46
1047	Comprehensive study of the ferroelectricity induced by the spin-dependent d-p hybridization mechanism in Ba <sub>2</sub> XGe <sub>2</sub> O <sub>7</sub> (X = Mn, Co, and Cu). <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	46
1046	Critical competition between two distinct orbital-spin ordered states in perovskite vanadates. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	46
1045	Large dielectric susceptibility associated with proton transfer in a supramolecular structure of chloranilic acid and 5,5'-dimethyl-2,2'-bipyridine. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 084715	3.9	46
1044	Jahn-Teller phonon anomaly and dynamic phase fluctuations in La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2001</b> , 86, 3823-6	7.4	46
1043	Magnetic heat capacity in lanthanum manganite single crystals. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 5825-5827	5.827	46
1042	Electro-reflectance spectra of charge-transfer excitations in copper phthalocyanine single crystals. <i>Chemical Physics Letters</i> , <b>1983</b> , 102, 174-178	2.5	46
1041	Giant thermal Hall effect in multiferroics. <i>Nature Materials</i> , <b>2017</b> , 16, 797-802	27	45
1040	Magnetochiral dichroism resonant with electromagnons in a helimagnet. <i>Nature Communications</i> , <b>2014</b> , 5, 4583	17.4	45

1039	Terahertz magnetoelectric resonance enhanced by mutual coupling of electromagnons. <i>Physical Review Letters</i> , <b>2013</b> , 111, 037204	7.4	45
1038	Microwave Magnetochiral Dichroism in the Chiral-Lattice Magnet $\text{Cu}_{1-x}\text{OSeO}_3$ . <i>Physical Review Letters</i> , <b>2015</b> , 114, 197202	7.4	45
1037	Electromagnons in the spin collinear state of a triangular lattice antiferromagnet. <i>Physical Review Letters</i> , <b>2010</b> , 105, 097207	7.4	45
1036	Electric-field control of solitons in a ferroelectric organic charge-transfer salt. <i>Physical Review Letters</i> , <b>2010</b> , 104, 227602	7.4	45
1035	Optical magnetoelectric effect of patterned oxide superlattices with ferromagnetic interfaces. <i>Physical Review Letters</i> , <b>2007</b> , 99, 197404	7.4	45
1034	Enhanced optical magnetoelectric effect in a patterned polar ferrimagnet. <i>Physical Review Letters</i> , <b>2006</b> , 96, 167202	7.4	45
1033	Crystal-field splitting and the on-site Coulomb energy of $\text{La}_{1-x}\text{Sr}_x\text{TiO}_3$ from resonant soft-x-ray emission spectroscopy. <i>Physical Review B</i> , <b>1999</b> , 60, 7711-7714	3.3	45
1032	Extended family of new Bi-2222 superconducting cuprates $\text{Bi}_2\text{Sr}_2(\text{RE}_{1-x}\text{Ce}_x)_2\text{Cu}_2\text{O}_{10+y}$ , RE=rare earth. <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 168, 79-84	1.3	45
1031	Infrared molecular-vibration spectra of tetrathiafulvalene-chloranil crystal at low temperature and high pressure. <i>Physical Review B</i> , <b>1987</b> , 36, 3884-3887	3.3	45
1030	Spectral dynamics of shift current in ferroelectric semiconductor SbSI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 1929-1933	11.5	44
1029	Local dynamics of topological magnetic defects in the itinerant helimagnet FeGe. <i>Nature Communications</i> , <b>2016</b> , 7, 12430	17.4	44
1028	Multicritical end point of the first-order ferromagnetic transition in colossal magnetoresistive manganites. <i>Physical Review Letters</i> , <b>2008</b> , 101, 037206	7.4	44
1027	Fermi level shift in $\text{La}_{1-x}\text{Sr}_x\text{MO}_3$ (M=Mn, Fe, Co, and Ni) probed by Schottky-like heteroepitaxial junctions with $\text{SrTi}_{0.99}\text{Nb}_{0.01}\text{O}_3$ . <i>Applied Physics Letters</i> , <b>2007</b> , 90, 252102	3.4	44
1026	Charge-orbital ordering near the multicritical point in A-site ordered perovskites $\text{SmBaMn}_2\text{O}_6$ and $\text{NdBaMn}_2\text{O}_6$ . <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	44
1025	Correlated polarons in dissimilar perovskite manganites. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	44
1024	Origin of the electronic states near the Fermi level in high- $T_c$ superconductors. <i>Physical Review B</i> , <b>1989</b> , 40, 7303-7306	3.3	44
1023	Spontaneous Polarization and Bulk Photovoltaic Effect Driven by Polar Discontinuity in $\text{LaFeO}_3/\text{SrTiO}_3$ Heterojunctions. <i>Physical Review Letters</i> , <b>2016</b> , 116, 156801	7.4	43
1022	Shift current in the ferroelectric semiconductor SbSI. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	43

1021	Polar distortions in hydrogen-bonded organic ferroelectrics. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	43
1020	Magnetoelectric phase control in a magnetic system showing cycloidal/conical spin order. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 434204	1-8	43
1019	Thermoelectric Power in Transition-Metal Monosilicides. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 093601	1-5	43
1018	Field-effect transistor based on KTaO <sub>3</sub> perovskite. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 3726-3728	3-4	43
1017	Gigantic Anisotropic Uniaxial Pressure Effect on Superconductivity within the CuO <sub>2</sub> Plane of La <sub>1.64</sub> Eu <sub>0.2</sub> Sr <sub>0.16</sub> CuO <sub>4</sub> : Strain Control of Stripe Criticality. <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 1123-1126	1-5	43
1016	Anisotropic optical spectra of doped manganites with pseudocubic perovskite structure. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	43
1015	Fully gapped single-particle excitations in lightly doped cuprates. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	43
1014	Charge-orbital ordering and ferromagnetic chains in single-layered manganite crystals. <i>Physical Review B</i> , <b>2001</b> , 65,	3-3	43
1013	Evidence for correlation effects in Sr <sub>2</sub> RuO <sub>4</sub> from resonant and x-ray photoemission spectroscopy. <i>Physical Review B</i> , <b>1996</b> , 53, 8151-8154	3-3	43
1012	Pressure dependence of superconducting transition temperature and of hall constant in high-T <sub>c</sub> Cu-oxide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 40-44	1-3	43
1011	Displacive lattice excitation through nonlinear phononics viewed by femtosecond X-ray diffraction. <i>Solid State Communications</i> , <b>2013</b> , 169, 24-27	1-6	42
1010	Multiple helimagnetic phases and topological Hall effect in epitaxial thin films of pristine and Co-doped SrFeO <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	42
1009	Imaging oxygen defects and their motion at a manganite surface. <i>Nature Communications</i> , <b>2011</b> , 2, 212	17-4	42
1008	Interface band profiles of Mott-insulator/Nb:SrTiO <sub>3</sub> heterojunctions as investigated by optical spectroscopy. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	42
1007	Pseudogap of metallic layered nickelate R <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> (R = Nd, Eu) crystals measured using angle-resolved photoemission spectroscopy. <i>Physical Review Letters</i> , <b>2011</b> , 106, 027001	7-4	42
1006	Evolution of spin-wave excitations in ferromagnetic metallic manganites. <i>Physical Review Letters</i> , <b>2006</b> , 96, 047204	7-4	42
1005	A new homologous series of oxycarbonate superconductors Sr <sub>2</sub> (Ca,Sr) <sub>n</sub> Cu <sub>n</sub> (CO <sub>3</sub> ) <sub>1-n</sub> (BO <sub>3</sub> ) <sub>1-n</sub> O <sub>y</sub> (n=1, 2 and 3). <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 229, 310-314	1-3	42
1004	Electronic structure of the electron-doped superconductor Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4-y</sub> studied by photoemission spectroscopy. <i>Physical Review B</i> , <b>1990</b> , 42, 325-328	3-3	42

1003	Skyrmion formation in a bulk chiral magnet at zero magnetic field and above room temperature. <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	42
1002	Proton-displacive ferroelectricity in neutral cocrystals of anilic acids with phenazine. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 4421		41
1001	Tunneling Magnetoresistance above Room Temperature in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Junctions. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, L369-L372	1.4	41
1000	Photoinduced Phase Transformation in Polythiophene. <i>Physical Review Letters</i> , <b>1999</b> , 82, 1672-1675	7.4	41
999	Electronic structure of Y <sub>1-x</sub> CaxVO <sub>3</sub> studied by high-energy spectroscopies. <i>Physical Review B</i> , <b>1999</b> , 59, 7422-7432	3.3	41
998	Excited states of one-dimensional excitons in polysilanes as investigated by two-photon spectroscopy. <i>Physical Review B</i> , <b>1991</b> , 43, 14746-14749	3.3	41
997	Current-Induced Nucleation and Annihilation of Magnetic Skyrmions at Room Temperature in a Chiral Magnet. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606178	24	40
996	Propagation dynamics of spin excitations along skyrmion strings. <i>Nature Communications</i> , <b>2020</b> , 11, 25617.4	17.4	40
995	Magnetic biasing of a ferroelectric hysteresis loop in a multiferroic orthoferrite. <i>Physical Review Letters</i> , <b>2014</b> , 112, 037203	7.4	40
994	Complex magnetism and magnetic-field-driven electrical polarization of Co <sub>3</sub> TeO <sub>6</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	40
993	Electric polarization induced by transverse magnetic field in the anisotropy-controlled conical helimagnet Ba <sub>2</sub> (Mg <sub>1-x</sub> Znx) <sub>2</sub> Fe <sub>12</sub> O <sub>22</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	40
992	Ultrafast Photoinduced Formation of Metallic State in a Perovskite-type Manganite with Short Range Charge and Orbital Order. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 043702	1.5	40
991	Effect of a magnetic field on the long-range magnetic order in insulating Nd <sub>2</sub> CuO <sub>4</sub> and nonsuperconducting and superconducting Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	40
990	One-dimensional orbital excitations in vanadium oxides. <i>Physical Review Letters</i> , <b>2005</b> , 94, 076405	7.4	40
989	Ultraviolet laser photoemission spectroscopy of FeSi: Observation of a gap opening in density of states. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	40
988	Magnetic coupling in the insulating and metallic ferromagnetic La <sub>1-x</sub> CaxMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	40
987	Temperature and Magnetic Field Dependence of the Internal and Lattice Structures of Skyrmions by Off-Axis Electron Holography. <i>Physical Review Letters</i> , <b>2017</b> , 118, 087202	7.4	39
986	Spontaneous Hall effect in the Weyl semimetal candidate of all-in all-out pyrochlore iridate. <i>Nature Communications</i> , <b>2018</b> , 9, 3032	17.4	39

- 985 Systematic control of stress-induced anisotropy in pseudomorphic iron garnet thin films. *Journal of Magnetism and Magnetic Materials*, **2013**, 339, 63-70 2.8 39
- 984 Ferrimagnetism and spontaneous ordering of transition metals in double perovskite La<sub>2</sub>CrFeO<sub>6</sub> films. *Physical Review B*, **2011**, 84, 3-3 39
- 983 Neutron-spin resonance in the optimally electron-doped superconductor Nd<sub>1.85</sub>Ce<sub>0.15</sub>CuO<sub>4-δ</sub>. *Physical Review Letters*, **2007**, 99, 017001 7-4 39
- 982 Eu<sub>0.5</sub>Sr<sub>1.5</sub>MnO<sub>4</sub>: A three-dimensional XY spin glass. *Physical Review B*, **2005**, 72, 3-3 39
- 981 Structural Distortion on Metal-Insulator Transition in Ordered Double Perovskite Ca<sub>2</sub>FeReO<sub>6</sub>. *Journal of the Physical Society of Japan*, **2003**, 72, 1411-1417 1-5 39
- 980 Magnetic-field-induced insulator-metal phenomena in perovskite manganese oxides. *Physica C: Superconductivity and Its Applications*, **1996**, 263, 544-549 1-3 39
- 979 Electronic structure and electron-phonon interaction in transition metal oxides with d<sup>0</sup> configuration and lightly doped compounds. *Journal of Physics and Chemistry of Solids*, **1996**, 57, 1379-1384 3-9 39
- 978 Anomalous variation of phonon Raman intensities near the metal-to-Mott-insulator transition in titanium oxide systems. *Physical Review B*, **1994**, 50, 2704-2707 3-3 39
- 977 Inverse Peierls transition induced by photoexcitation in potassium tetracyanoquinodimethane crystals. *Physical Review B*, **1991**, 44, 431-434 3-3 39
- 976 Pressure-induced neutral-to-ionic phase transition in organic charge-transfer crystals of tetrathiafulvalene-p-benzoquinone derivatives. *Physical Review B*, **1989**, 39, 10693-10701 3-3 39
- 975 Critical enhancement of thermopower in a chemically tuned polar semimetal MoTe. *Science Advances*, **2016**, 2, e1601378 14-3 38
- 974 Three-dimensional bulk band dispersion in polar BiTeI with giant Rashba-type spin splitting. *Physical Review B*, **2012**, 86, 3-3 38
- 973 Extrinsic anomalous Hall effect in charge and heat transport in pure iron, Fe<sub>0.997</sub>Si<sub>0.003</sub>, and Fe<sub>0.97</sub>Co<sub>0.03</sub>. *Physical Review B*, **2009**, 79, 3-3 38
- 972 Systematics of electromagnons in the spiral spin-ordered states of RMnO<sub>3</sub>. *Physical Review B*, **2009**, 79, 3-3 38
- 971 Colossal electroresistance effect at metal electrode/La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>4</sub> interfaces. *Applied Physics Letters*, **2006**, 88, 223507 3-4 38
- 970 Chemical potential shift and spectral-weight transfer in Pr<sub>1-x</sub>Ca<sub>x</sub>MnO<sub>3</sub> revealed by photoemission spectroscopy. *Physical Review B*, **2006**, 74, 3-3 38
- 969 In-plane thermal conductivity of Nd<sub>2</sub>CuO<sub>4</sub>: evidence for magnon heat transport. *Physical Review Letters*, **2003**, 91, 146601 7-4 38
- 968 Measurement of spin polarization of single crystals of La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> and La<sub>0.6</sub>Sr<sub>0.4</sub>MnO<sub>3</sub>. *Physical Review B*, **2002**, 66, 3-3 38

967	Fabrication and physical properties of c-axis oriented thin films of layered perovskite $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ . <i>Applied Physics Letters</i> , <b>1998</b> , 73, 3004-3006	3-4	38
966	Commensurability effect on the charge ordering of $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ . <i>Physical Review B</i> , <b>1999</b> , 60, R5097-R5100	3-3	38
965	Coherent-incoherent crossover of charge dynamics in the ferromagnetic ground state of manganites: $\text{R}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ (R=La-Sm). <i>Physical Review B</i> , <b>1999</b> , 60, 10362-10366	3-3	38
964	Crystal structure of polydiacetylene TCDU revisited. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 4962-4966	3-9	38
963	Magnetic structures and excitations in a multiferroic Y-type hexaferrite $\text{BaSrCo}_2\text{Fe}_{11}\text{AlO}_{22}$ . <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	38
962	Electrical magnetochiral effect induced by chiral spin fluctuations. <i>Nature Communications</i> , <b>2017</b> , 8, 866	17-4	37
961	Magnetoelectric responses induced by domain rearrangement and spin structural change in triangular-lattice helimagnets $\text{NiI}_2$ and $\text{CoI}_2$ . <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	37
960	Competition between instabilities of Peierls transition and Mott transition in W-doped $\text{VO}_2$ thin films. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	37
959	Electron doping in the cubic perovskite $\text{SrMnO}_3$ : Isotropic metal versus chainlike ordering of Jahn-Teller polarons. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	37
958	Enhanced infrared magneto-optical response of the nonmagnetic semiconductor $\text{BiTeI}$ driven by bulk Rashba splitting. <i>Physical Review Letters</i> , <b>2012</b> , 109, 167401	7-4	37
957	Formation and control of magnetic vortex chirality in patterned micromagnet arrays. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 023904	2-5	37
956	Charge ordering and charge dynamics in $\text{Nd}_{2-x}\text{Sr}_x\text{NiO}_4$ (0.33). <i>Physical Review B</i> , <b>2003</b> , 67,	3-3	37
955	Orbital disordering and the metal-insulator transition with hole doping in perovskite-type vanadium oxides. <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	37
954	Optical Study of Metal-Insulator Transition in $\text{SmBaCo}_2\text{O}_6$ -Single Crystal. <i>Journal of the Physical Society of Japan</i> , <b>2000</b> , 69, 3525-3528	1-5	37
953	Hysteretic Thermochromism of Regioregular Poly(3-alkylthiophene) Thin Films. <i>Macromolecules</i> , <b>2001</b> , 34, 1823-1827	5-5	37
952	Microscopically homogeneous magnetic structure of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ beyond the range of 0. <i>Physical Review B</i> , <b>1999</b> , 59, 97-99	3-3	37
951	Electronic Structure of Layered Perovskite $\text{LaSrMO}_4$ (M=Cr, Mn, Fe and Co). <i>Journal of the Physical Society of Japan</i> , <b>1995</b> , 64, 4117-4120	1-5	37
950	Optical Characterization of Merocyanine Langmuir-Blodgett Layers. <i>Japanese Journal of Applied Physics</i> , <b>1986</b> , 25, L701-L703	1-4	37



- 949 Spin-wave spectroscopy of the Dzyaloshinskii-Moriya interaction in room-temperature chiral magnets hosting skyrmions. *Physical Review B*, **2017**, 95, 3-3 36
- 948 Quantum Hall states stabilized in semi-magnetic bilayers of topological insulators. *Nature Communications*, **2015**, 6, 8530 17.4 36
- 947 Epitaxial-strain effect on charge/orbital order in  $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$  films. *Applied Physics Letters*, **2009**, 95, 152502 3-4 36
- 946 Layer-by-layer growth and magnetic properties of  $\text{Y}_3\text{Fe}_5\text{O}_{12}$  thin films on  $\text{Gd}_3\text{Ga}_5\text{O}_{12}$ . *Journal of Applied Physics*, **2009**, 106, 123911 2.5 36
- 945 Orbital order and a canted phase in the paramagnetic and ferromagnetic states of 50% hole-doped colossal magnetoresistance manganites. *Physical Review B*, **2003**, 67, 3-3 36
- 944 Breakdown of the lattice polaron picture in  $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$  single crystals. *Physical Review B*, **2000**, 61, R9225-R9228 3-3 36
- 943 Electronic states of charge-ordering  $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$  probed by photoemission. *Physical Review B*, **1999**, 59, 15528-15532 3-3 36
- 942 OrderDisorder Transition of Nonplanar Molecules and Dielectric Anomaly in a Crystal of Charge-Transfer Complex. *Journal of the American Chemical Society*, **1999**, 121, 6757-6758 16.4 36
- 941 Absorption and Fluorescence Spectra of Polydiacetylenes (4BCMU and 3BCMU) in Solution. *Journal of the Physical Society of Japan*, **1985**, 54, 4014-4026 1.5 36
- 940 Quantum anomalous Hall effect driven by magnetic proximity coupling in all-telluride based heterostructure. *Applied Physics Letters*, **2019**, 115, 102403 3-4 35
- 939 Phonon Magnetochiral Effect. *Physical Review Letters*, **2019**, 122, 145901 7-4 35
- 938 Transport, magnetic and optical properties of Weyl materials. *Nature Reviews Materials*, **2020**, 5, 621-636 7-3 35
- 937 Magnetic digital flop of ferroelectric domain with fixed spin chirality in a triangular lattice helimagnet. *Physical Review Letters*, **2009**, 103, 237601 7-4 35
- 936 Doping variation of anisotropic charge and orbital dynamics in  $\text{Y}_{1-x}\text{Ca}_x\text{VO}_3$ : Comparison with  $\text{La}_{1-x}\text{Sr}_x\text{VO}_3$ . *Physical Review B*, **2008**, 77, 3-3 35
- 935 Anomalous nernst effects in pyrochlore molybdates with spin chirality. *Physical Review Letters*, **2008**, 100, 106601 7-4 35
- 934 Charge dynamics near the electron-correlation induced metal-insulator transition in pyrochlore-type molybdates. *Physical Review Letters*, **2004**, 93, 266401 7-4 35
- 933 Direct observation of photoinduced magnetization in a relaxor ferromagnet. *Applied Physics Letters*, **2002**, 80, 1031-1033 3-4 35
- 932 Interface Effect and Its Doping Dependence in  $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3/\text{SrTiO}_3$  Superlattices. *Journal of the Physical Society of Japan*, **2002**, 71, 2621-2624 1.5 35



931	One-dimensional cuprate as a nonlinear optical material for ultrafast all-optical switching. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 2831-2833	3-4	35
930	Perfect epitaxy of perovskite manganite for oxide spin-electronics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1999</b> , 63, 49-57	3-1	35
929	Ferromagnetic insulator Cr <sub>2</sub> Ge <sub>2</sub> Te <sub>6</sub> thin films with perpendicular remanence. <i>APL Materials</i> , <b>2018</b> , 6, 091104	5-7	35
928	Dynamical magnetoelectric effects in multiferroic oxides. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2011</b> , 369, 3679-94	3	34
927	Evolution of magnetic phases in single crystals of SrFe <sub>1-x</sub> CoxO <sub>3</sub> solid solution. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	34
926	Orbital nature of ferromagnetic magnons in manganites. <i>Physical Review Letters</i> , <b>2005</b> , 94, 017206	7-4	34
925	Direct imaging of temperature-dependent layered antiferromagnetism of a magnetic oxide. <i>Physical Review Letters</i> , <b>2004</b> , 93, 107201	7-4	34
924	Ultrafast photoinduced melting of orbital order in LaVO <sub>3</sub> . <i>Physical Review B</i> , <b>2003</b> , 68,	3-3	34
923	Impurity-induced transition to a Mott insulator in Sr <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	34
922	Hole concentration dependence of the ordering process of the stripe order in La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3-3	34
921	Far-Infrared Optical Response of Neutral-Ionic Phase Transition in an Organic Charge-Transfer Complex. <i>Physical Review Letters</i> , <b>2001</b> , 87,	7-4	34
920	Strain-stabilized charge ordering and magnetorelaxor behaviors in Cr-doped Pr <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> epitaxial thin films. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 3505-3507	3-4	34
919	Similarity and dissimilarity in transport properties of electron- and hole-doped high-T <sub>c</sub> cuprates. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 1001-1002	1-3	34
918	Optical reflectivity spectra of the mixed-stack organic charge-transfer crystal tetrathiafulvalene-p-chloranil under hydrostatic pressure. <i>Physical Review B</i> , <b>1987</b> , 35, 8024-8029	3-3	34
917	Correlated Dirac semimetallic state with unusual positive magnetoresistance in strain-free perovskite SrIrO <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3-3	33
916	Strain-induced ferroelectricity and spin-lattice coupling in SrMnO <sub>3</sub> thin films. <i>Physical Review B</i> , <b>2018</b> , 97,	3-3	33
915	Crystal chirality and skyrmion helicity in MnSi and (Fe, Co)Si as determined by transmission electron microscopy. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	33
914	Magnetic-field induced multiple topological phases in pyrochlore iridates with Mott criticality. <i>Nature Communications</i> , <b>2017</b> , 8, 15515	17-4	33

- 913 Two-Dimensional Valley Electrons and Excitons in Noncentrosymmetric  $3R\overline{2}MoS_2$ . *Physical Review Applied*, **2015**, 4, 043102. 4-3 33
- 912 Photoinduced switching between charge and orbital ordered insulator and ferromagnetic metal in perovskite manganites. *Physical Review B*, **2008**, 77, 040401. 3-3 33
- 911 R-Dependence of Spin Exchange Interactions in  $RMnO_3$  (R= Rare-Earth Ions). *Journal of the Physical Society of Japan*, **2005**, 74, 2430-2433. 1-5 33
- 910 On-site Coulomb energy versus crystal-field splitting for the insulator-metal transition in  $La_{1-x}Sr_xTiO_3$ . *Physical Review B*, **2003**, 68, 040401. 3-3 33
- 909 Perovskite manganite magnetic tunnel junctions with enhanced coercivity contrast. *Applied Physics Letters*, **2005**, 87, 022509. 3-4 33
- 908 Commensurate-incommensurate transition in the melting process of orbital ordering in  $Pr_{0.5}Ca_{0.5}MnO_3$ : A neutron diffraction study. *Physical Review B*, **2001**, 63, 040401. 3-3 33
- 907 Photoemission spectral weight transfer and mass renormalization in the Fermi-liquid system  $La_{1-x}Sr_xTiO_{3+y/2}$ . *Europhysics Letters*, **2002**, 59, 258-264. 1-6 33
- 906 Ferromagnetic domain structures and nanoclusters in  $Nd(1/2)Sr(1/2)MnO_3$ . *Physical Review Letters*, **2002**, 89, 207203. 7-4 33
- 905 X-ray diffuse scattering study on charge-localized states of  $Pr_{1-x}Ca_xMnO_3$  ( $x=0.35, 0.4, 0.5$ ). *Physical Review B*, **2000**, 62, 3875-3878. 3-3 33
- 904 NMR study of the spin state of  $RCoO_3$  (R=Pr, Nd, Sm, and Eu). *Physica B: Condensed Matter*, **1999**, 259-261, 902-903. 2-8 33
- 903 Surface Exciton-Polariton in CuBr. *Journal of the Physical Society of Japan*, **1976**, 40, 1215-1216. 1-5 33
- 902 Strong-correlation induced high-mobility electrons in Dirac semimetal of perovskite oxide. *Nature Communications*, **2019**, 10, 362. 17-4 32
- 901 Variation of optical conductivity spectra in the course of bandwidth-controlled metal-insulator transitions in pyrochlore iridates. *Physical Review B*, **2016**, 93, 040401. 3-3 32
- 900 Formation of In-plane Skyrmions in Epitaxial MnSi Thin Films as Revealed by Planar Hall Effect. *Journal of the Physical Society of Japan*, **2015**, 84, 104708. 1-5 32
- 899 Hall effect of spin-chirality origin in a triangular-lattice helimagnet  $Fe_{1.3}Sb$ . *Physical Review Letters*, **2012**, 108, 056601. 7-4 32
- 898 Mechanisms of enhanced orbital dia- and paramagnetism: application to the Rashba semiconductor  $BiTeI$ . *Physical Review Letters*, **2012**, 108, 247208. 7-4 32
- 897 Gate control of electronic phases in a quarter-filled manganite. *Scientific Reports*, **2013**, 3, 2904. 4-9 32
- 896 Single-Crystalline  $CaMoO_3$  and  $SrMoO_3$  Films Grown by Pulsed Laser Deposition in a Reductive Atmosphere. *Applied Physics Express*, **2010**, 3, 073003. 2-4 32

- 895 Thermoelectric Properties of Electron-Doped KTaO<sub>3</sub>. *Japanese Journal of Applied Physics*, **2009**, 48, 097002 32
- 894 Strong pinning effect and magnetic nanodomain formation by coupling between magnetic and crystallographic domains in the ordered double perovskite Ba<sub>2</sub>FeMoO<sub>6</sub>. *Physical Review B*, **2007**, 75, 3.3 32
- 893 X-ray evidence for the molecular dimerization in TTF-chloranil. *Synthetic Metals*, **1984**, 10, 157-160 3.6 32
- 892 X-Ray Evidence for Molecular Dimerization at Neutral-Ionic Transition in TTF-Chloranil. *Molecular Crystals and Liquid Crystals*, **1985**, 120, 9-15 32
- 891 Magnon dispersion shift in the induced ferromagnetic phase of noncentrosymmetric MnSi. *Physical Review B*, **2016**, 94, 3.3 32
- 890 Aggregation and collapse dynamics of skyrmions in a non-equilibrium state. *Nature Physics*, **2018**, 14, 832-836 16.2 32
- 889 Emergent topological spin structures in the centrosymmetric cubic perovskite SrFeO<sub>3</sub>. *Physical Review B*, **2020**, 101, 3.3 31
- 888 Thermally activated helicity reversals of skyrmions. *Physical Review B*, **2016**, 93, 3.3 31
- 887 Common origin of the circular-dichroism pattern in angle-resolved photoemission spectroscopy of SrTiO<sub>3</sub> and Cu(x)Bi<sub>2</sub>Se<sub>3</sub>. *Physical Review Letters*, **2011**, 107, 077601 7.4 31
- 886 Magnetic and electronic properties of Eu<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (0.3. *Physical Review B*, **2009**, 80, 3.3 31
- 885 Commensurate-incommensurate crossover of charge stripe in La<sub>2-x</sub>Sr<sub>x</sub>NiO<sub>4</sub> (x approximately 1/3). *Physical Review Letters*, **2004**, 92, 196404 7.4 31
- 884 Colossal Electro-Resistance Memory Effect at Metal/La<sub>2</sub>CuO<sub>4</sub> Interfaces. *Japanese Journal of Applied Physics*, **2005**, 44, L1241-L1243 1.4 31
- 883 Crystal Structures, Polymerization, and Thermochromic Phase Changes in Urethane-Substituted Diacetylenes Crystals with Varying Alkyl Chain Lengths. *Chemistry of Materials*, **2001**, 13, 155-158 9.6 31
- 882 Effects of Reduced Dimensionality on Spin Dynamics in the Layered Perovskite La<sub>1.4</sub>Sr<sub>1.6</sub>Mn<sub>2</sub>O<sub>7</sub>. *Physical Review Letters*, **1998**, 81, 1706-1709 7.4 31
- 881 High-field magnetization and magnetoresistance of La<sub>0.5</sub>Sr<sub>1.5</sub>MnO<sub>4</sub>. *Physical Review B*, **1999**, 59, 111513-111543 3.1 31
- 880 Symmetry-dependent electronic Raman scattering in La<sub>2-x</sub>Sr<sub>x</sub>CuO<sub>4</sub>: Evidence for doping-induced change in the k-space anisotropy of charge dynamics. *Physical Review B*, **1993**, 48, 16131-16134 3.3 31
- 879 Magnetization-polarization cross-control near room temperature in hexaferrite single crystals. *Nature Communications*, **2019**, 10, 1247 17.4 30
- 878 Magneto-tunable photocurrent in manganite-based heterojunctions. *Nature Communications*, **2014**, 5, 4584 17.4 30

- 877 Photoemission and DMFT study of electronic correlations in SrMoO<sub>3</sub>: Effects of Hund's rule coupling and possible plasmonic sideband. *Physical Review B*, **2014**, 90, 3-3 30
- 876 Current-induced viscoelastic topological unwinding of metastable skyrmion strings. *Nature Communications*, **2017**, 8, 1332 17-4 30
- 875 Single-crystalline BaTiO<sub>3</sub> films grown by gas-source molecular beam epitaxy. *Applied Physics Express*, **2014**, 7, 125502 2-4 30
- 874 Emergence of topological Hall effect from fanlike spin structure as modified by Dzyaloshinsky-Moriya interaction in MnP. *Physical Review B*, **2012**, 86, 3-3 30
- 873 Soft phonon mode coupled with antiferromagnetic order in incipient-ferroelectric Mott insulators Sr<sub>1-x</sub>BaxMnO<sub>3</sub>. *Physical Review B*, **2012**, 86, 3-3 30
- 872 Emergence of a diffusive metal state with no magnetic order near the Mott transition in frustrated pyrochlore-type molybdates. *Physical Review Letters*, **2009**, 102, 136407 7-4 30
- 871 Crystal-field level inversion in lightly Mn-doped Sr<sub>3</sub>Ru<sub>2</sub>O<sub>7</sub>. *Physical Review Letters*, **2008**, 101, 016404 7-4 30
- 870 Resistance switching memory device with a nanoscale confined current path. *Applied Physics Letters*, **2007**, 90, 143515 3-4 30
- 869 Local tunneling spectroscopy across a metamagnetic critical point in the bilayer ruthenate Sr<sub>3</sub>Ru<sub>2</sub>O<sub>7</sub>. *Physical Review Letters*, **2007**, 99, 057208 7-4 30
- 868 Strong correlation effects of the Re 5d electrons on the metal-insulator transition in Ca<sub>2</sub>FeReO<sub>6</sub>. *Physical Review B*, **2005**, 71, 3-3 30
- 867 Optical probe of the metal-insulator transition in pyrochlore-type molybdate. *Physical Review B*, **2002**, 65, 3-3 30
- 866 Orbital and Charge Ordering in LaSr<sub>2</sub>Mn<sub>2</sub>O<sub>7</sub> Observed by Resonant X-Ray Scattering. *Journal of the Physical Society of Japan*, **2000**, 69, 2731-2734 1-5 30
- 865 Optical study on the doping and temperature dependence of the anisotropic electronic structure in bilayered manganites: La<sub>2-x</sub>Sr<sub>1+2x</sub>Mn<sub>2</sub>O<sub>7</sub> (0.3). *Physical Review B*, **2000**, 62, 12354-12362 3-3 30
- 864 Reflection spectroscopy on the photoinduced local metallic phase of Pr<sub>0.7</sub>Ca<sub>0.3</sub>MnO<sub>3</sub>. *Applied Physics Letters*, **1999**, 74, 2310-2312 3-4 30
- 863 Multiple- noncollinear magnetism in an itinerant hexagonal magnet. *Science Advances*, **2018**, 4, eaau3402 4-3 30
- 862 Carrier density control and enhanced thermoelectric performance of Bi and Cu co-doped GeTe. *APL Materials*, **2017**, 5, 056103 5-7 29
- 861 Pressure and magnetic field effects on metal-insulator transitions of bulk and domain wall states in pyrochlore iridates. *Physical Review B*, **2015**, 92, 3-3 29
- 860 Detecting charge and lattice dynamics in photoinduced charge-order melting in perovskite-type manganites using a 30-femtosecond time resolution. *Physical Review B*, **2009**, 79, 3-3 29

859	Bandwidth-disorder phase diagram of half-doped layered manganites. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	29
858	Third-order nonlinear susceptibility spectra of CuO chain compounds investigated by the Z-scan method. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	29
857	Lattice effects of orbital and charge orderings in the perovskite manganite $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	29
856	Microscopic spin interactions in colossal magnetoresistance manganites. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	29
855	Charge/Orbital Ordering Structure in Ordered Perovskite $\text{Sm}_{1/2}\text{Ba}_{1/2}\text{MnO}_3$ . <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 2605-2608	1.5	29
854	$^{63,65}\text{Cu}$ -NMR Study of Oxidized and Reduced $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ . <i>Journal of the Physical Society of Japan</i> , <b>1991</b> , 60, 400-403	1.5	29
853	Surface Exciton Polariton in CuCl and CuBr. <i>Journal of the Physical Society of Japan</i> , <b>1977</b> , 43, 173-180	1.5	29
852	Isotope Effect on the Dielectric Phase Transitions of 5-Bromo-9-Hydroxyphenalene. <i>Journal of the Physical Society of Japan</i> , <b>1995</b> , 64, 1892-1895	1.5	29
851	Dynamical process of skyrmion-helical magnetic transformation of the chiral-lattice magnet FeGe probed by small-angle resonant soft x-ray scattering. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	28
850	Ferroelectric-like metallic state in electron doped $\text{BaTiO}_3$ . <i>Scientific Reports</i> , <b>2015</b> , 5, 13207	4.9	28
849	Photocontrol of Dirac electrons in a bulk Rashba semiconductor. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	28
848	Structural and magnetic phase transitions of the orthovanadates $\text{RVO}_3$ (R= Dy, Ho, Er) as seen via neutron diffraction. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	28
847	Far-infrared optical study of electromagnons and their coupling to optical phonons in $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$ ( $x=0.1, 0.2, 0.3, 0.4$ , and $0.45$ ). <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	28
846	Electric-field switching of a magnetic propagation vector in a helimagnet. <i>Physical Review Letters</i> , <b>2009</b> , 103, 147201	7.4	28
845	Gigantic terahertz magnetochromism via electromagnons in the hexaferrite magnet $\text{Ba}_2\text{Mg}_2\text{Fe}_{12}\text{O}_{22}$ . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	28
844	Dimensional Crossover of Low-Energy Magnetic Excitation for Delafossite Oxide $\text{Cu}_{1-x}\text{Ag}_x\text{CrO}_2$ with a Spin-3/2 Antiferromagnetic Triangular Sublattice. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 013604	1.5	28
843	Electric-Dipole Active Two-Magnon Excitation in ab Spiral Spin Phase of a Ferroelectric Magnet $\text{Gd}_{0.7}\text{Tb}_{0.3}\text{MnO}_3$ . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 123704	1.5	28
842	The Nanoscale Phase Separation in Hole-Doped Manganites. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 124706	1.5	28

- 841 Spin-Lattice Coupling in Ferroelectric Spiral Magnets: Comparison between the Cases of (Tb,Dy)MnO<sub>3</sub> and CoCr<sub>2</sub>O<sub>4</sub>. *Journal of the Physical Society of Japan*, **2007**, 76, 023602 1.5 28
- 840 Spin waves throughout the Brillouin zone and magnetic exchange coupling in the ferromagnetic metallic manganites La<sub>1-x</sub>Ca<sub>x</sub>MnO<sub>3</sub> (x=0.25,0.30). *Physical Review B*, **2007**, 75, 114407 3.3 28
- 839 Doping variation of orbitally induced anisotropy in the electronic structure of La<sub>1-x</sub>Sr<sub>x</sub>VO<sub>3</sub>. *Physical Review Letters*, **2006**, 97, 196401 7.4 28
- 838 Ru-doped La<sub>0.6</sub>Sr<sub>0.4</sub>MnO<sub>3</sub> thin films as a coercivity tunable electrode for magnetic tunnel junctions. *Applied Physics Letters*, **2005**, 86, 192505 3.4 28
- 837 Orbital correlations in doped manganites. *Applied Physics A: Materials Science and Processing*, **2001**, 73, 723-730 2.6 28
- 836 Photo-Induced Dynamics of Charge/Orbital Order in Perovskite Manganite Nd<sub>0.5</sub>Ca<sub>0.5</sub>MnO<sub>3</sub>. *Journal of the Physical Society of Japan*, **2002**, 71, 2380-2383 1.5 28
- 835 ARPES results on Sr<sub>2</sub>RuO<sub>4</sub>: Fermi surface revisited. *Physical Review B*, **1998**, 58, R13322-R13325 3.3 28
- 834 Electronic structure of Sr<sub>2</sub>RuO<sub>4</sub>: X-ray fluorescence emission study. *Physical Review B*, **1998**, 57, 1558-1562 3.3 28
- 833 Effect of Magnetic Transitions and Charge-Ordering on Crystal Lattice in Nd<sub>0.5</sub>Sr<sub>0.5</sub>MnO<sub>3</sub>. *Journal of the Physical Society of Japan*, **1999**, 68, 1943-1947 1.5 28
- 832 La 4d and Mn core absorption magnetic circular dichroism, XPS and inverse photoemission spectroscopy of La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub>. *Journal of Electron Spectroscopy and Related Phenomena*, **1996**, 78, 283-286 1.7 28
- 831 Dispersion relation in the third-order electric susceptibility for polysilane film. *Physical Review Letters*, **1993**, 70, 3724-3727 7.4 28
- 830 Gate-tunable gigantic lattice deformation in VO<sub>2</sub>. *Applied Physics Letters*, **2014**, 104, 023507 3.4 27
- 829 BaFeO<sub>3</sub> cubic single crystalline thin film: A ferromagnetic insulator. *Applied Physics Letters*, **2013**, 103, 142416 3.4 27
- 828 Lorentz transmission electron microscopy on nanometric magnetic bubbles and skyrmions in bilayered manganites La<sub>1.2</sub>Sr<sub>1.8</sub>(Mn<sub>1-y</sub>Ru<sub>y</sub>)<sub>2</sub>O<sub>7</sub> with controlled magnetic anisotropy. *Applied Physics Letters*, **2015**, 107, 212401 3.4 27
- 827 Doping-Tunable Ferrimagnetic Phase with Large Linear Magnetoelectric Effect in a Polar Magnet Fe<sub>2</sub>Mo<sub>3</sub>O<sub>8</sub>. *Physical Review X*, **2015**, 5, 011047 9.1 27
- 826 Pressure variation of Rashba spin splitting toward topological transition in the polar semiconductor BiTeI. *Physical Review B*, **2014**, 90, 114407 3.3 27
- 825 Terahertz Faraday rotation induced by an anomalous Hall effect in the itinerant ferromagnet SrRuO<sub>3</sub>. *Europhysics Letters*, **2011**, 95, 17002 1.6 27
- 824 Topological Hall effect in pyrochlore lattice with varying density of spin chirality. *Physical Review Letters*, **2012**, 108, 156601 7.4 27



823	Control of film morphology and its effects on subthreshold characteristics in dibenzotetrathiafulvalene organic thin-film transistors. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 233306	3.4	27
822	A Supramolecular Ferroelectric Realized by Collective Proton Transfer. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 3567-3571	3.6	27
821	Magnetic and transport properties of delafossite oxides $\text{CuCr}_{1-x}(\text{Mg,Ca})_x\text{O}_2$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 890-892	2.8	27
820	Ink-jet printing of organic metal electrodes using charge-transfer compounds. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 173504	3.4	27
819	Covalent ferroelectricity in hydrogen-bonded organic molecular systems. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	27
818	Gigantic Kerr rotation induced by a $d\bar{d}$ transition resonance in $\text{MCr}_2\text{S}_4$ ( $\text{M}=\text{Mn,Fe}$ ). <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	27
817	Transversely modulated crystal structure of charge-orbital ordered manganites $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_4$ ( $x=2/3, 3/4$ ). <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	27
816	Optical Spectroscopy of Perovskite-Type Manganites. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2000</b> , 13, 271-284		27
815	Photochromism and photoinduced bond-structure change in the conjugated polymer polydiacetylene. <i>Physical Review B</i> , <b>1987</b> , 36, 2913-2915	3.3	27
814	Deformation of Topologically-Protected Supercooled Skyrmions in a Thin Plate of Chiral Magnet $\text{CoZnMn}$ . <i>Nano Letters</i> , <b>2017</b> , 17, 1637-1641	11.5	26
813	X-ray spectroscopic study of $\text{BaFeO}_3$ thin films: An $\text{Fe}^{4+}$ ferromagnetic insulator. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	26
812	Shubnikov-De Haas oscillations in the bulk Rashba semiconductor $\text{BiTeI}$ . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	26
811	Elastic stiffness of a Skyrmion crystal. <i>Physical Review Letters</i> , <b>2014</b> , 113, 267203	7.4	26
810	Thermoelectric response in the incoherent transport region near Mott transition: The case study of $\text{La}_{1-x}\text{Sr}_x\text{VO}_3$ . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	26
809	Colossal magnetoresistance in $\text{Sm}_{1-x}\text{Sr}_x\text{MnO}_3$ films. <i>Journal of Applied Physics</i> , <b>1996</b> , 80, 6894-6897	2.5	26
808	Manometer extension for high pressure measurement: nuclear quadrupole resonance study of $\text{Cu}_2\text{O}$ with a modified Bridgman anvil cell up to 10 GPa. <i>Review of Scientific Instruments</i> , <b>2007</b> , 78, 015106	1.7	26
807	Magnetic domain structure of a $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ (001) surface observed by a spin-polarized scanning electron microscope. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 2361-2363	3.4	26
806	Anomalous pressure dependence of the superconducting transition temperature of beta-pyrochlore $\text{AOs}_2\text{O}_6$ oxides. <i>Physical Review Letters</i> , <b>2005</b> , 95, 167004	7.4	26



805	Resonant x-ray-scattering study of octahedral tilt ordering in LaMnO <sub>3</sub> and Pr <sub>1-x</sub> CaxMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	26
804	Nature of one-dimensional excitons in polysilanes. <i>Physical Review B</i> , <b>1996</b> , 54, 11365-11374	3.3	26
803	Electric-field-induced second-harmonic generation mediated by one-dimensional excitons in polysilanes. <i>Physical Review B</i> , <b>1994</b> , 50, 7786-7792	3.3	26
802	Optical spectra of titanium oxide perovskites with varying number of d-electrons. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 1001-1002	1.3	26
801	Discovery of a new, metallic (but not superconducting) compound in the lanthanum-strontium-copper-oxygen system: La <sub>5</sub> SrCu <sub>6</sub> O <sub>15</sub> . <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 7555-7557	16.4	26
800	Optical spectra of monomeric and polymeric diacetylene crystals in the synchrotron radiation region of 120 eV. <i>Chemical Physics Letters</i> , <b>1980</b> , 75, 324-327	2.5	26
799	Enhanced thermopower in ZnO two-dimensional electron gas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 6438-43	11.5	26
798	Charge-order domain walls with enhanced conductivity in a layered manganite. <i>Nature Communications</i> , <b>2015</b> , 6, 7595	17.4	25
797	Current-induced dynamics of skyrmion strings. <i>Science Advances</i> , <b>2018</b> , 4, eaat1115	14.3	25
796	Ferroelectricity and pressure-induced phenomena driven by neutral ionic valence instability of acid-base supramolecules. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1036-46	16.4	25
795	Landau level spectroscopy of Dirac electrons in a polar semiconductor with giant Rashba spin splitting. <i>Physical Review Letters</i> , <b>2013</b> , 111, 166403	7.4	25
794	Lattice-form-dependent orbital shape and charge disproportionation in charge- and orbital-ordered manganites. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	25
793	Multiferroicity in NiBr <sub>2</sub> with long-wavelength cycloidal spin structure on a triangular lattice. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	25
792	Metal-insulator phenomena in perovskites of transition metal oxide. <i>Physica B: Condensed Matter</i> , <b>1997</b> , 237-238, 1-5	2.8	25
791	Crystal and magnetic structure of CeVO <sub>3</sub> . <i>European Physical Journal B</i> , <b>2008</b> , 64, 27-34	1.2	25
790	Fillingness dependence of electronic structures in strongly correlated electron systems: Titanates and vanadates. <i>Journal of Physics and Chemistry of Solids</i> , <b>1992</b> , 53, 1619-1625	3.9	25
789	Visualization of an axion insulating state at the transition between 2 chiral quantum anomalous Hall states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 14511-14515	11.5	24
788	Distinct Substrate Effect on the Reversibility of the Metal/Insulator Transitions in Electrolyte-Gated VO <sub>2</sub> Thin Films. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500093	6.4	24

787	Ferromagnetic enhancement of CE-type spin ordering in (Pr,Ca)MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 106, 186404	7.4	24
786	Spatial Properties of the Photoinduced Transition in Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>1997</b> , 66, 3570-3576	1.5	24
785	Orbital domain dynamics in a doped manganite. <i>New Journal of Physics</i> , <b>2008</b> , 10, 053023	2.9	24
784	Mössbauer Study on the Ordered Double Perovskite A <sub>2</sub> FeReO <sub>6</sub> (A = Ca, Sr). <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 424-428	1.5	24
783	Directional Ordering and Collective Fluctuation of Orbital in a Colossal Magnetoresistive Manganite. <i>Journal of the Physical Society of Japan</i> , <b>2000</b> , 69, 2403-2406	1.5	24
782	Raman spectroscopy of orthorhombic La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> , x = 0.1-0.3. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 3741-3752	1.8	24
781	Chemical Control of Ferroelectric Neutral-Ionic Transition in Charge-Transfer Complexes, TTF <sub>1-x</sub> TSF <sub>x</sub> QCl <sub>4</sub> [TTF = Tetrathiafulvalene; TSF = Tetraselenafulvalene; QCl <sub>4</sub> = p-Chloranil]. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 7379-7380	16.4	24
780	Role of the proton tunneling in the phase transition of K <sub>3</sub> D <sub>1-x</sub> H <sub>x</sub> (SO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Low Temperature Physics</i> , <b>1995</b> , 99, 55-70	1.3	24
779	Optical phonons in copper oxides with a single CuO <sub>2</sub> plane. <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 168, 117-122	1.3	24
778	Tensile-Strain-Dependent Spin States in Epitaxial LaCoO <sub>3</sub> Thin Films. <i>Physical Review Letters</i> , <b>2018</b> , 120, 206402	7.4	24
777	Emergence of Topological Hall Effect in Half-Metallic Manganite Thin Films by Tuning Perpendicular Magnetic Anisotropy. <i>Journal of the Physical Society of Japan</i> , <b>2018</b> , 87, 074704	1.5	24
776	Diagonal magnetoelectric susceptibility and effect of Fe doping in the polar ferrimagnet Mn <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	23
775	Large magneto-thermopower in MnGe with topological spin texture. <i>Nature Communications</i> , <b>2018</b> , 9, 408	17.4	23
774	Magnetic relaxation phenomena in the chiral magnet Fe <sub>1-x</sub> CoxSi: An ac susceptibility study. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	23
773	Evolution of magnetic and structural transitions and enhancement of magnetocaloric effect in Fe <sub>1-x</sub> MnxV <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	23
772	Optical Magnetoelectric Resonance in a Polar Magnet (Fe,Zn) <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> with Axion-Type Coupling. <i>Physical Review Letters</i> , <b>2017</b> , 119, 077206	7.4	23
771	Nonlinear Electron-Phonon Coupling in Doped Manganites. <i>Physical Review Letters</i> , <b>2017</b> , 118, 247601	7.4	23
770	Electronic structure, magnetic, and dielectric properties of the edge-sharing copper oxide chain compound NaCu <sub>2</sub> O <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	23

- 769 Effect of Spin Dilution on the Magnetic State of Delafossite  $\text{CuCrO}_2$  with  $\text{anS} = 3/2$  Antiferromagnetic Triangular Sublattice. *Journal of the Physical Society of Japan*, **2011**, 80, 014711 1.5 23
- 768 Gate control of surface transport in MBE-grown topological insulator  $(\text{Bi}_{1-x}\text{Sb}_x)_2\text{Te}_3$  thin films. *Physical Review B*, **2012**, 86, 3.3 23
- 767 Temperature dependence of the electronic structure of the charge-ordering manganite  $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ . *Physical Review B*, **1997**, 56, R15513-R15516 3.3 23
- 766 Mott-Anderson transition controlled by a magnetic field in pyrochlore molybdate. *Physical Review Letters*, **2006**, 96, 116403 7.4 23
- 765 Optical probe of electrostatic-doping in an n-type Mott insulator. *Physical Review B*, **2007**, 75, 3.3 23
- 764 Experimental quest for orbital waves. *Nature*, **2002**, 418, 40-40 50.4 23
- 763 Electric-field switching of orbital order in layered manganites. *Applied Physics Letters*, **2003**, 83, 3329-3331 23
- 762 Observation of magnetic ripple and nanowidth domains in a layered ferromagnet. *Physical Review Letters*, **2005**, 95, 227204 7.4 23
- 761 Structural response to  $\text{O}^{*0}$  and magnetic transitions in orthorhombic perovskites. *Physical Review B*, **2002**, 66, 3.3 23
- 760 Photoluminescence of perovskite lanthanum aluminate single crystals. *Journal of Applied Physics*, **2000**, 87, 7594-7596 2.5 23
- 759 Optical Spectra of Silicon Oligomers. *Journal of the Physical Society of Japan*, **1996**, 65, 1578-1581 1.5 23
- 758 Asymmetric-to-centrosymmetric structure change of molecules in squaric acid crystal: Evidence for pressure-induced change of correlated proton potentials. *Journal of Chemical Physics*, **1990**, 93, 5429-5435 23
- 757 Emergent electromagnetic induction in a helical-spin magnet. *Nature*, **2020**, 586, 232-236 50.4 23
- 756 Extended skyrmion lattice scattering and long-time memory in the chiral magnet  $\text{Fe}_{1-x}\text{Co}_x\text{Si}$ . *Physical Review B*, **2016**, 94, 3.3 23
- 755 Topological domain walls in helimagnets. *Nature Physics*, **2018**, 14, 465-468 16.2 22
- 754 Polar metal phase stabilized in strained La-doped  $\text{BaTiO}_3$  films. *Scientific Reports*, **2017**, 7, 4631 4.9 22
- 753 Magnetic field observations in  $\text{CoFeB}/\text{Ta}$  layers with 0.67-nm resolution by electron holography. *Scientific Reports*, **2017**, 7, 16598 4.9 22
- 752 Transport signatures of Fermi surface topology change in  $\text{BiTeI}$ . *Physical Review B*, **2015**, 91, 3.3 22

- 751 Emergence of nonequilibrium charge dynamics in a charge-cluster glass. *Physical Review B*, **2014**, 89, 3.3 22
- 750 Disorder promotes ferromagnetism: rounding of the quantum phase transition in  $\text{Sr}(1-x)\text{Ca}(x)\text{RuO}_3$ . *Physical Review Letters*, **2012**, 108, 185701 7.4 22
- 749 Solid phase epitaxy of ferrimagnetic  $\text{Y}_3\text{Fe}_5\text{O}_{12}$  garnet thin films. *Applied Physics Letters*, **2008**, 93, 092505 3.4 22
- 748 Charge dynamics in thermally and doping induced insulator-metal transitions of  $(\text{Ti}_{1-x}\text{V}_x)\text{O}_3$ . *Physical Review Letters*, **2008**, 101, 066406 7.4 22
- 747 Lorenz number determination of the dissipationless nature of the anomalous Hall effect in itinerant ferromagnets. *Physical Review Letters*, **2008**, 100, 016601 7.4 22
- 746 Changes of magnetic domain structure induced by temperature-variation and electron-beam irradiation in  $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ . *Applied Physics Letters*, **2005**, 86, 131913 3.4 22
- 745 Orbital ordering near a Mott transition: Resonant x-ray scattering study of the perovskite Ti oxides  $\text{RTiO}_3$  and  $\text{LaTiO}_{3.02}$  ( $R=\text{Gd, Sm, Nd, and La}$ ). *Physical Review B*, **2004**, 70, 3.3 22
- 744 Magnetic and crystal structures of polar ferrimagnet  $\text{Ga}_{2-x}\text{Fe}_x\text{O}_3$ . *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 555-556 2.8 22
- 743 Electronic structure of Mott-Hubbard-type transition-metal oxides. *Journal of Electron Spectroscopy and Related Phenomena*, **2001**, 117-118, 277-286 1.7 22
- 742 Photoluminescence of perovskite lanthanum aluminate single crystals. *Journal of Applied Physics*, **2000**, 88, 1175-1177 2.5 22
- 741 Visible luminescence from branched silicon polymers. *Journal of Applied Physics*, **1995**, 78, 3362-3366 2.5 22
- 740 Material overview of high- $T_c$  oxides. *Physica C: Superconductivity and Its Applications*, **1991**, 185-189, 174-179 1.3 22
- 739 Nonreciprocal charge transport at topological insulator/superconductor interface. *Nature Communications*, **2019**, 10, 2734 17.4 21
- 738 Multi-spin-state dynamics during insulator-metal crossover in  $\text{LaCoO}_3$ . *Physical Review B*, **2014**, 90, 3.3 21
- 737 Molecular beam epitaxy growth of superconducting  $\text{Sr}_2\text{RuO}_4$  films. *APL Materials*, **2017**, 5, 106108 5.7 21
- 736 Neutron Brillouin Scattering with Pulsed Spallation Neutron Source [Spin-Wave Excitations from Ferromagnetic Powder Samples] *Journal of the Physical Society of Japan*, **2013**, 82, 043001 1.5 21
- 735 Effect of scattering on intrinsic anomalous Hall effect investigated by Lorenz ratio. *Physical Review B*, **2010**, 81, 3.3 21
- 734 Novel multiferroic state of  $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$  in high magnetic fields. *Physical Review Letters*, **2009**, 103, 187202 7.4 21

733	Low-field colossal magnetoresistance in bandwidth-controlled manganites. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 4954-4956	2.5	21
732	Variation of charge/orbital ordering in layered manganite $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_4$ investigated by transmission electron microscopy. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	21
731	In-plane anisotropy of the electronic structure for the charge- and orbital-ordered state in half-doped manganite with layered structure. <i>Physical Review Letters</i> , <b>2006</b> , 97, 077203	7.4	21
730	Determination of the intrinsic anomalous Hall effect of $\text{SrRuO}_3$ . <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	21
729	Orbital and Charge Ordering in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_4$ (0.4 < x < 0.5). <i>Journal of the Physical Society of Japan</i> , <b>2001</b> , 70, 1194-1197	1.5	21
728	Persistent X-ray photoconductivity and percolation of metallic clusters in charge-ordered manganites. <i>Europhysics Letters</i> , <b>1999</b> , 47, 90-96	1.6	21
727	Action spectra of the two-stage photoinduced insulator-metal transition in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Physical Review B</i> , <b>1999</b> , 60, 7944-7949	3.3	21
726	Spectroscopic study of electronic phase-transition in polydiacetylenes. <i>Synthetic Metals</i> , <b>1987</b> , 18, 407-412	3.6	21
725	Exciton Dynamics in Isotopically Mixed Crystals of Anthracene. <i>Journal of the Physical Society of Japan</i> , <b>1979</b> , 47, 1936-1947	1.5	21
724	Exfoliation of single layer $\text{BiTeI}$ flakes. <i>2D Materials</i> , <b>2018</b> , 5, 031013	5.9	21
723	Modification of electronic structure and thermoelectric properties of hole-doped tungsten dichalcogenides. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	20
722	Engineering skyrmions and emergent monopoles in topological spin crystals. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 090501	3.4	20
721	Increased lifetime of metastable skyrmions by controlled doping. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	20
720	Magnetoelectric responses from the respective magnetic R and Fe subsystems in the noncentrosymmetric antiferromagnets $\text{RFe}_3(\text{BO}_3)_4$ (R = Eu, Gd, and Tb). <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	20
719	Thermal stability and irreversibility of skyrmion-lattice phases in $\text{Cu}_2\text{OSeO}_3$ . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	20
718	Enhanced cryogenic thermopower in $\text{SrTiO}_3$ by ionic gating. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	20
717	Gate tuning of anomalous Hall effect in ferromagnetic metal $\text{SrRuO}_3$ . <i>Applied Physics Letters</i> , <b>2014</b> , 105, 163509	3.4	20
716	Ultrafast polarization and magnetization response of multiferroic $\text{GaFeO}_3$ using time-resolved nonlinear optical techniques. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	20

715	Determination of the magnetic order and the crystal symmetry in the multiferroic ground state of Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	20
714	Optical magnetoelectric effect in a submicron patterned magnet. <i>Physical Review Letters</i> , <b>2005</b> , 94, 077205	3.4	20
713	Experimental Elucidation: Microscopic Mechanism of Resonant X-Ray Scattering in Manganite Films. <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 1006-1009	1.5	20
712	Impact of Ru doping in bilayered manganese oxide La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Applied Physics Letters</i> , <b>2005</b> , 86, 242502	3.4	20
711	Dimensionality dependence of optical nonlinearity and relaxation dynamics in cuprates. <i>Europhysics Letters</i> , <b>2002</b> , 58, 455-461	1.6	20
710	Critical spin dynamics in Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> with x0.5. <i>Physical Review B</i> , <b>2000</b> , 61, 4060-4069	3.3	20
709	Electronic correlations on the verge of the Mott transition in La <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> by 47/49Ti and 139La nuclear magnetic resonance. <i>Physical Review B</i> , <b>1999</b> , 59, 10550-10558	3.3	20
708	Electronic Raman scattering in filling-controlled metals: Sr <sub>1-x</sub> La <sub>x</sub> TiO <sub>3</sub> . <i>Physical Review B</i> , <b>1994</b> , 49, 4372-4375	3.3	20
707	Pressure dependence of charge-transfer-type gaps in CuO <sub>2</sub> layered compounds. <i>Physical Review B</i> , <b>1992</b> , 45, 7580-7583	3.3	20
706	Two-photon resonant third-harmonic generation in polysilanes. <i>Physical Review B</i> , <b>1992</b> , 45, 6317-6320	3.3	20
705	Optical Spectra of Polydiacetylene (PTS, HDU, TCDU) Single Crystals Studied by Synchrotron Radiation Spectroscopy. <i>Journal of the Physical Society of Japan</i> , <b>1984</b> , 53, 4054-4063	1.5	20
704	Attenuated Total Reflectance Spectra of Surface Exciton Polariton in ZnSe. <i>Journal of the Physical Society of Japan</i> , <b>1977</b> , 42, 1071-1072	1.5	20
703	Topological Nernst Effect of the Two-Dimensional Skyrmion Lattice. <i>Physical Review Letters</i> , <b>2020</b> , 125, 076602	7.4	20
702	Imaging the coupling between itinerant electrons and localised moments in the centrosymmetric skyrmion magnet GdRuSi. <i>Nature Communications</i> , <b>2020</b> , 11, 5925	17.4	20
701	Impact of antiferromagnetic order on Landau-level splitting of quasi-two-dimensional Dirac fermions in EuMnBi <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	20
700	Electromagnon resonance in a collinear spin state of the polar antiferromagnet Fe <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	19
699	Phase-change memory function of correlated electrons in organic conductors. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	19
698	High-field depinned phase and planar Hall effect in the skyrmion host Gd <sub>2</sub> PdSi <sub>3</sub> . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	19



697	Motion tracking of 80-nm-size skyrmions upon directional current injections. <i>Science Advances</i> , <b>2020</b> , 6, eaaz9744	14.3	19
696	Photocarrier dynamics in anatase TiO <sub>2</sub> investigated by pump-probe absorption spectroscopy. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 053514	2.5	19
695	Systematic Variations in the Charge-Glass-Forming Ability of Geometrically Frustrated $\beta$ (BEDT-TTF) <sub>2</sub> X Organic Conductors. <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 083602	1.5	19
694	Strain-sensitive spin-state ordering in thin films of perovskite LaCoO <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	19
693	Unidirectional terahertz light absorption in the pyroelectric ferrimagnet CaBaCo <sub>4</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	19
692	Direct Imaging of Dynamic Glassy Behavior in a Strained Manganite Film. <i>Physical Review Letters</i> , <b>2015</b> , 115, 265701	7.4	19
691	Experimental band structure of the nearly half-metallic CuCr <sub>2</sub> Se <sub>4</sub> : an optical and magneto-optical study. <i>New Journal of Physics</i> , <b>2010</b> , 12, 053039	2.9	19
690	Magnetic-field-induced metal-insulator transition in perovskite-type manganese oxides. <i>Physica B: Condensed Matter</i> , <b>1997</b> , 237-238, 6-10	2.8	19
689	Epitaxial growth and strain of manganite thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1998</b> , 56, 158-163	3.1	19
688	Optical probe of orbital ordering in heavily hole-doped manganites Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x=0.55 and 0.7). <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	19
687	Synthesis and electronic structure of epitaxially stabilized Sr <sub>2-x</sub> LaxVO <sub>4</sub> (0≤x≤1) thin films. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 194-196	3.4	19
686	Impact of electrodes on the extraction of shift current from a ferroelectric semiconductor SbSI. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 232901	3.4	19
685	Observation of a Devil's Staircase in the Novel Spin-Valve System SrCo <sub>6</sub> O <sub>11</sub> . <i>Physical Review Letters</i> , <b>2015</b> , 114, 236403	7.4	18
684	Low-Field Bi-Skyrmion Formation in a Noncentrosymmetric Chimney Ladder Ferromagnet. <i>Physical Review Letters</i> , <b>2018</b> , 120, 037203	7.4	18
683	Direct observation of anisotropic magnetic field response of the spin helix in FeGe thin films. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	18
682	Mapping the magnetization fine structure of a lattice of Bloch-type skyrmions in an FeGe thin film. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 192410	3.4	18
681	Current-Driven Instability of the Quantum Anomalous Hall Effect in Ferromagnetic Topological Insulators. <i>Physical Review Letters</i> , <b>2017</b> , 119, 016803	7.4	18
680	Topological spin-hedgehog crystals of a chiral magnet as engineered with magnetic anisotropy. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	18



679	Stabilization of magnetic skyrmions by uniaxial tensile strain. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	18
678	Symmetry and structure of multiferroic Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	18
677	Optical conductivity and x-ray absorption spectra of the Mott-Hubbard compounds RVO <sub>3</sub> (R=Sr, Ca, La, and Y). <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	18
676	Magnetically tunable metal-insulator superlattices. <i>Advanced Materials</i> , <b>2010</b> , 22, 500-4	2.4	18
675	Hysteretic Magnetoresistance in $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$ Films with Controlled Carrier Density. <i>Japanese Journal of Applied Physics</i> , <b>1996</b> , 35, L489-L492	1.4	18
674	Bandwidth- and Doping-Dependent Pressure Effects on the Ferromagnetic Transition in Perovskite Manganites. <i>Journal of the Physical Society of Japan</i> , <b>1997</b> , 66, 556-559	1.5	18
673	Optical and magnetic properties of transition metal oxides. <i>Current Opinion in Solid State and Materials Science</i> , <b>1998</b> , 3, 175-180	12	18
672	Tuning of magnetism in SrRuO <sub>3</sub> thin films on SrTiO <sub>3</sub> (001) substrate by control of the twin and strain amount in the buffer layer. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 103909	2.5	18
671	Atomically smooth and single crystalline MnTiO <sub>3</sub> thin films with a ferrotoroidic structure. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 072507	3.4	18
670	Magnetic field tuning of interface electronic properties in manganite-titanate junctions. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 122104	3.4	18
669	Pressure-induced transition from a spin glass to an itinerant ferromagnet in the half-doped manganite $\text{La}_{0.5}\text{Ba}_{0.5}\text{MnO}_3$ (L=Sm and Nd) with quenched disorder. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	18
668	Possible presence of a charge-orbital density wave in layered manganites $\text{Nd}_{1-x}\text{Ca}_x\text{MnO}_4$ . <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	18
667	Interface transport properties and resistance switching in perovskite-oxide heterojunctions <b>2005</b> ,		18
666	Spin-charge coupling in lightly doped $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ . <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	18
665	Enhancement of anomalous Hall effect in a filling-changed pyrochlore-type molybdate. <i>Europhysics Letters</i> , <b>2001</b> , 54, 401-406	1.6	18
664	Organic paraelectrics resulting from tautomerization coupled with proton-transfer. <i>Solid State Communications</i> , <b>1992</b> , 83, 665-668	1.6	18
663	Antiferromagnetic Nuclear Resonance of Cu in $\text{Nd}_2\text{CuO}_4$ . <i>Journal of the Physical Society of Japan</i> , <b>1990</b> , 59, 36-39	1.5	18
662	Experimental determination of the charge-transfer exciton band width in anthracene-PMDA crystal. <i>Solid State Communications</i> , <b>1981</b> , 40, 299-301	1.6	18

- 661 40 years of the quantum Hall effect. *Nature Reviews Physics*, **2020**, 2, 397-401 23.6 18
- 660 Magnetic Reversal of Electric Polarization with Fixed Chirality of Magnetic Structure in a Chiral-Lattice Helimagnet  $\text{MnSb}_{1-x}\text{O}_6$ . *Physical Review Letters*, **2016**, 117, 047201 7.4 17
- 659 Variation of spin-orbit coupling and related properties in skyrmionic system  $\text{Mn}_{1-x}\text{Fe}_x\text{Ge}$ . *New Journal of Physics*, **2016**, 18, 045006 2.9 17
- 658 Magnetophotocurrent in BiTeI with Rashba spin-split bands. *Physical Review B*, **2013**, 88, 3.3 17
- 657 Observation of superparamagnetism in coexistence with quantum anomalous Hall  $C = \pm 1$  and  $C = 0$  Chern states. *Npj Quantum Materials*, **2017**, 2, 5 17
- 656 Metal-insulator transitions in  $\text{TiO}_2/\text{VO}_2$  superlattices. *Physical Review B*, **2010**, 82, 3.3 17
- 655 Transient electronic structure of the photoinduced phase of  $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$  probed with soft x-ray pulses. *Physical Review B*, **2009**, 80, 3.3 17
- 654 Variation of the charge dynamics in bandwidth- and filling-controlled metal-insulator transitions of pyrochlore-type molybdates. *Physical Review B*, **2006**, 73, 3.3 17
- 653 Effect of antiferromagnetic spin correlations on lattice distortion and charge ordering in  $\text{Pr}_{0.5}\text{Ca}_{1.5}\text{MnO}_4$ . *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 10796-801 11.5 17
- 652 Resonant X-ray Scattering in Perovskite Manganite Superlattice Observation of Orbital Superlattice *Journal of the Physical Society of Japan*, **2003**, 72, 785-788 1.5 17
- 651 Observation of ordered orbital of  $\text{YTIO}_3$  by the X-ray magnetic diffraction experiments. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 1993-1997 3.9 17
- 650 Orientation-controlled epitaxy and anisotropic properties of  $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$  with  $0.5 \leq x \leq 1.5$  covering the insulator-metal transition. *Applied Physics Letters*, **2002**, 80, 574-576 3.4 17
- 649 Band-Filling Control of  $\pi$ -Electron System Based on Bis(ethylenedithio)tetrathiafulvalene Cation Radical Salts. *Journal of the American Chemical Society*, **1998**, 120, 8263-8264 16.4 17
- 648 Effect of chemical doping on the ferroelectric neutral-ionic phase transition in tetrathiafulvalene-p-chloranil ( $\text{TTFQCl}_4$ ). *Physical Review B*, **1999**, 59, 11267-11275 3.3 17
- 647 High-field magnetization process in  $\text{R}_{1/2}\text{Ca}_{1/2}\text{MnO}_3$  ( $\text{R}=\text{Sm}$  and  $\text{Y}$ ) up to 100 T. *Physical Review B*, **1999**, 60, 6219-6222 3.3 17
- 646 Metal-insulator phenomena in 3d transition metal oxides. *Physica C: Superconductivity and Its Applications*, **1994**, 235-240, 138-141 1.3 17
- 645 Photo-induced structural disorder in Langmuir-Blodgett films of polydiacetylenes. *Solid State Communications*, **1986**, 59, 393-395 1.6 17
- 644 Giant magneto-optical responses in magnetic Weyl semimetal  $\text{CoSnS}$ . *Nature Communications*, **2020**, 11, 4619 17.4 17

643	Direct Observation of the Statics and Dynamics of Emergent Magnetic Monopoles in a Chiral Magnet. <i>Physical Review Letters</i> , <b>2020</b> , 125, 137202	7.4	17
642	Current-induced switching of proximity-induced ferromagnetic surface states in a topological insulator. <i>Nature Communications</i> , <b>2021</b> , 12, 1404	17.4	17
641	Element-specific soft x-ray spectroscopy, scattering, and imaging studies of the skyrmion-hosting compound Co <sub>8</sub> Zn <sub>8</sub> Mn <sub>4</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	16
640	Molecular beam epitaxy of high-quality CuI thin films on a low temperature grown buffer layer. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 192105	3.4	16
639	Emergence and magnetic-field variation of chiral-soliton lattice and skyrmion lattice in the strained helimagnet Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	16
638	High-pressure V <sup>51</sup> NMR study of the magnetic phase diagram and metal-insulator transition in quasi-one-dimensional Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	16
637	Relaxation dynamics of multiferroic domain walls in DyMnO <sub>3</sub> with cycloidal spin order. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	16
636	Mott insulator to metal transition in filling-controlled SmMnAsO <sub>1-x</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	16
635	Direct observation of the spin structures of vortex domain walls in ferromagnetic nanowires. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	16
634	Bulk electronic structures and strong electron-phonon interactions in an electron-doped high-temperature superconductor. <i>New Journal of Physics</i> , <b>2008</b> , 10, 073005	2.9	16
633	Orbital ordering in RVO <sub>3</sub> (R=Y,Tb) controlled by hydrostatic pressure. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	16
632	Versatile and competing spin-charge-orbital orders in the bilayered manganite system Pr(Sr <sub>1-x</sub> Cay) <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	16
631	Magnetic field switching between the two orbital-ordered states in DyVO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2007</b> , 99, 217201	7.4	16
630	Magnetoelectric emission in a magnetic ferroelectric Er-doped (Ba,Sr)TiO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2006</b> , 89, 101112	3.4	16
629	Electrical properties of oxide heteroepitaxial p-n junctions: La <sub>1-x</sub> Sr <sub>x</sub> FeO <sub>3</sub> /BrTi <sub>0.99</sub> Nb <sub>0.01</sub> O <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2007</b> , 90, 112104	3.4	16
628	Correlation of electronic structure and ordered charge and orbital patterns for single-layered manganites in a wide hole-doping range (0.01). <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	16
627	Raman study of the metal-insulator transition in pyrochlore Mo oxides. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	16
626	Observation of nonreciprocal magnetoelectric x-ray scattering in magnetite. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	16

- 625 Far-infrared resonance in Sr(2)RuO(4). *Physical Review Letters*, **2001**, 87, 227002 7.4 16
- 624 Surface structural analysis of the layered perovskite Sr<sub>2</sub>RuO<sub>4</sub> by LEED I(V). *Physical Review B*, **2002**, 65, 3.3 16
- 623 Charge ordering and Mössbauer studies of single crystal R<sub>1</sub>/3Sr<sub>2</sub>/3FeO<sub>3</sub> (R=Pr, Sm, and Nd). *Journal of Applied Physics*, **2000**, 87, 4873-4875 2.5 16
- 622 Mesoscopic thermodynamics and kinetics of an inhomogeneous colossal magnetoresistive phase in a bulk crystal. *Physical Review B*, **2001**, 63, 3.3 16
- 621 Highly Oriented Langmuir-Blodgett Films of Helical Polysilanes and Their Optical Properties. *Langmuir*, **2001**, 17, 437-440 4 16
- 620 Frequency and temperature dependence of conductivity for perovskite titanates. *Physical Review B*, **1999**, 60, 7673-7676 3.3 16
- 619 Roles of orbital in magnetoelectronic properties of colossal magnetoresistive manganites. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1999**, 63, 163-170 3.1 16
- 618 Finite chain-length effect on nonlinear optical response in polysilane as investigated by electroabsorption spectroscopy. *Physical Review B*, **1996**, 54, R14254-R14256 3.3 16
- 617 Dielectric phase transition and symmetry change of constituent molecules in proton-deuteron mixed crystals of squaric acid. *Journal of Chemical Physics*, **1991**, 95, 2244-2251 3.9 16
- 616 Heat capacity and NMR studies on electron correlations in Ca<sub>1-x</sub>Y<sub>x</sub>VO<sub>3</sub> and Sr<sub>1-x</sub>La<sub>x</sub>TiO<sub>3</sub>. *Physica B: Condensed Matter*, **1993**, 186-188, 1030-1033 2.8 16
- 615 Optical excitations in CuO 2 -sheets doped and undoped with electrons. *Physica C: Superconductivity and Its Applications*, **1989**, 162-164, 1231-1232 1.3 16
- 614 Identification of Antiferromagnetic Domains Via the Optical Magnetoelectric Effect. *Physical Review Letters*, **2018**, 121, 057601 7.4 15
- 613 Universality of the helimagnetic transition in cubic chiral magnets: Small angle neutron scattering and neutron spin echo spectroscopy studies of FeCoSi. *Physical Review B*, **2017**, 95, 3.3 15
- 612 Gate control of percolative conduction in strongly correlated manganite films. *Advanced Materials*, **2014**, 26, 2874-7 24 15
- 611 Optical investigation of metal-insulator transitions in V<sub>1-x</sub>W<sub>x</sub>O<sub>2</sub> (0 ≤ x ≤ 0.33). *Physical Review B*, **2012**, 85, 3.3 15
- 610 Impact of Bicritical Fluctuation on Magnetocaloric Phenomena in Perovskite Manganites. *Journal of the Physical Society of Japan*, **2009**, 78, 113708 1.5 15
- 609 Anisotropic polarization E-molecular skeleton coupled dynamics in proton-displacive organic ferroelectrics. *Physical Review B*, **2009**, 80, 3.3 15
- 608 X-ray induced insulator-metal transition in a thin film of electron-doped VO<sub>2</sub>. *Physical Review B*, **2011**, 84, 3.3 15

607	Nematic-to-Smectic Transition of Magnetic Texture in Conical State. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 093704	1.5	15
606	Unconventional ferroelectric transition in the multiferroic compound TbMnO <sub>3</sub> revealed by the absence of an anomaly in c-polarized phonon dispersion. <i>Physical Review Letters</i> , <b>2009</b> , 102, 247602	7.4	15
605	Phase Diagram and Anisotropic Transport Properties of Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> Crystals. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 494, 83		15
604	Optical phase diagram of perovskite colossal magnetoresistance manganites near half doping. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	15
603	Electronic structure of CMR oxides: high resolution electron-spectroscopic studies and a pseudogap. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2001</b> , 117-118, 265-276	1.7	15
602	Optical Study of Metal-Insulator Transition in the Ferromagnetic Ground State of La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2000</b> , 69, 3614-3620	1.5	15
601	Preparation and characterization of highly oriented films of poly(di-n-hexylsilane). <i>Macromolecules</i> , <b>1993</b> , 26, 2520-2523	5.5	15
600	Surface Exciton Polariton in ZnSe. <i>Journal of the Physical Society of Japan</i> , <b>1981</b> , 50, 145-153	1.5	15
599	Topological spintronics and magnetoelectronics.. <i>Nature Materials</i> , <b>2022</b> , 21, 15-23	27	15
598	Observation of nonreciprocal directional dichroism via electromagnon resonance in a chiral-lattice helimagnet Ba <sub>3</sub> NbFe <sub>3</sub> Si <sub>2</sub> O <sub>14</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	15
597	Nanometric skyrmion lattice from anisotropic exchange interactions in a centrosymmetric host. <i>New Journal of Physics</i> , <b>2021</b> , 23, 023039	2.9	15
596	Controlling the helicity of magnetic skyrmions in a ̳Mn-type high-temperature chiral magnet. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	15
595	Topological quantum phase transition in magnetic topological insulator upon magnetization rotation. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	15
594	Uniaxial-stress control of spin-driven ferroelectricity in multiferroic Ba(2)CoGe(2)O(7). <i>Physical Review Letters</i> , <b>2015</b> , 114, 067201	7.4	14
593	X-ray study of metal-insulator transitions induced by W doping and photoirradiation in VO <sub>2</sub> films. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	14
592	Photoinduced Demagnetization and Insulator-to-Metal Transition in Ferromagnetic Insulating BaFeO <sub>3</sub> Thin Films. <i>Physical Review Letters</i> , <b>2016</b> , 116, 256402	7.4	14
591	Coherent Resonant Soft X-ray Scattering Study of Magnetic Textures in FeGe. <i>Quantum Beam Science</i> , <b>2018</b> , 2, 3	1.6	14
590	Electron Holography and Magnetotransport Measurements Reveal Stabilized Magnetic Skyrmions in FeCoSi Nanowires. <i>ACS Nano</i> , <b>2019</b> , 13, 7833-7841	16.7	14

- 589 Pressure-induced spin reorientation and spin state transition in SrCoO<sub>3</sub>. *Physical Review B*, **2015**, 92, 3-3 14
- 588 Dynamics of multiple phases in a colossal-magnetoresistive manganite as revealed by dielectric spectroscopy. *Nature Communications*, **2012**, 3, 944 17.4 14
- 587 Role of doped Ru in coercivity-enhanced La<sub>0.6</sub>Sr<sub>0.4</sub>MnO<sub>3</sub> thin film studied by x-ray magnetic circular dichroism. *Applied Physics Letters*, **2013**, 102, 222404 3-4 14
- 586 Doping control and thermoelectric properties in R<sub>1-x</sub>A<sub>x</sub>ZnSbO (R = La, Ce; A = Ca, Sr). *Physical Review B*, **2011**, 83, 3-3 14
- 585 Band-filling dependence of thermoelectric properties in B20-type CoGe. *Applied Physics Letters*, **2012**, 100, 093902 3-4 14
- 584 Mott versus Slater-type metal-insulator transition in Mn-substituted Sr<sub>3</sub>Ru<sub>2</sub>O<sub>7</sub>. *Physical Review B*, **2012**, 86, 3-3 14
- 583 Electronically smecticlike liquid-crystal phase in a nearly half-doped manganite. *Physical Review B*, **2005**, 72, 3-3 14
- 582 Magnetic ground states in Pr<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (x=0.48-0.75). *Journal of Applied Physics*, **2001**, 89, 7404-7406 2.5 14
- 581 Intrinsic spin valves in the layered manganite La<sub>1.4</sub>Sr<sub>1.6</sub>Mn<sub>2</sub>O<sub>7</sub>. *Physical Review B*, **2001**, 65, 3-3 14
- 580 Spectroscopic study of photoinduced charge-gap collapse in the correlated insulators Pr<sub>1-x</sub>CaxMnO<sub>3</sub>. *Physical Review B*, **2000**, 62, 13903-13906 3-3 14
- 579 Probing Charge/Orbital Correlation in La<sub>1.2</sub>Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub> by Raman Spectroscopy. *Journal of the Physical Society of Japan*, **1999**, 68, 2538-2541 1.5 14
- 578 Optical spectra of Si/Ge-network copolymers: [Si(C<sub>6</sub>H<sub>13</sub>)]<sub>1-x</sub>[Ge(C<sub>6</sub>H<sub>13</sub>)]<sub>x</sub>. *Applied Physics Letters*, **1994**, 65, 1358-1360 3-4 14
- 577 Anisotropy in the electronic structure of polysilanes investigated by synchrotron-radiation spectroscopy. *Physical Review B*, **1991**, 44, 5487-5491 3-3 14
- 576 Electreflectance study of linear electro-optic effect in the organic solid 2-methyl-4-nitroaniline. *Physical Review B*, **1985**, 31, 2588-2590 3-3 14
- 575 Topological Kagome Magnet CoSnS Thin Flakes with High Electron Mobility and Large Anomalous Hall Effect. *Nano Letters*, **2020**, 20, 7476-7481 11.5 14
- 574 Zero-bias photocurrent in ferromagnetic topological insulator. *Nature Communications*, **2016**, 7, 12246 17.4 14
- 573 Giant anomalous Hall effect from spin-chirality scattering in a chiral magnet. *Nature Communications*, **2021**, 12, 317 17.4 14
- 572 Current-driven magnetization switching in ferromagnetic bulk Rashba semiconductor (Ge,Mn)Te. *Science Advances*, **2018**, 4, eaat9989 14.3 14



571	Evolution of two-dimensional antiferromagnetism with temperature and magnetic field in multiferroic Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	13
570	Field-direction control of the type of charge carriers in nonsymmorphic IrO <sub>2</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	13
569	Coherently controlled spin precession in canted antiferromagnetic YFeO <sub>3</sub> using terahertz magnetic field. <i>Applied Physics Express</i> , <b>2014</b> , 7, 093007	2.4	13
568	Optical investigation of the collective dynamics of charge-orbital density waves in layered manganites. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	13
567	Isothermal remanent magnetization and the spin dimensionality of spin glasses. <i>Philosophical Magazine Letters</i> , <b>2010</b> , 90, 723-729	1	13
566	Dynamical disorder of pi-molecular structures induced by proton dynamics in an organic ferroelectric compound. <i>Physical Review Letters</i> , <b>2009</b> , 102, 197601	7.4	13
565	Imprinting magnetic information in manganites with x rays. <i>Physical Review Letters</i> , <b>2012</b> , 109, 157203	7.4	13
564	Polaronic Behavior of Photoelectron Spectra of Fe <sub>3</sub> O <sub>4</sub> Revealed by Both Hard X-ray and Extremely Low Energy Photons. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 064710	1.5	13
563	Current-induced persistent magnetization in a relaxorlike manganite. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 102514	3.4	13
562	Optical control of the magnetic anisotropy of ferromagnetic bilayered manganites. <i>Physical Review Letters</i> , <b>2007</b> , 98, 017402	7.4	13
561	Scaling of anomalous hall resistivity in Nd <sub>2</sub> (Mo(1-x)Nb(x)) <sub>2</sub> O <sub>7</sub> with spin chirality. <i>Physical Review Letters</i> , <b>2007</b> , 99, 077202	7.4	13
560	Quantum Neutrallbnic Phase Transition as Investigated by Raman Scattering and X-ray Diffraction. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 2165-2168	1.5	13
559	TEM study of the influence of antisite defects on magnetic domain structures in double perovskite Ba <sub>2</sub> FeMoO <sub>6</sub> . <i>Journal of Electron Microscopy</i> , <b>2005</b> , 54, 61-5		13
558	Coherent x-ray scattering from manganite charge and orbital domains. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	13
557	Orbital-driven Variation of Electronic Structures in Tetragonal La <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> as Investigated by Optical Spectroscopy. <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 613-617	1.5	13
556	Nanosecond and picosecond dynamics of photo-induced phase-transition in low dimensional organic crystals. <i>Synthetic Metals</i> , <b>1995</b> , 70, 1225-1226	3.6	13
555	Electronic structure of poly(dihexylgermane): A comparison with poly(dihexylsilane). <i>Physical Review B</i> , <b>1992</b> , 45, 8752-8755	3.3	13
554	Magnon-photon coupling in the noncollinear magnetic insulator Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	12



- 553 Piezomagnetoelectric Effect of Spin Origin in Dysprosium Orthoferrite. *Physical Review Letters*, **2015**, 115, 197205 7.4 12
- 552 Thermoelectric probe for Fermi surface topology in the three-dimensional Rashba semiconductor BiTeI. *Physical Review B*, **2015**, 92, 3.3 12
- 551 Glass-like recovery of antiferromagnetic spin ordering in a photo-excited manganite  $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . *Scientific Reports*, **2014**, 4, 4050 4.9 12
- 550 Yokoya et al. Reply:. *Physical Review Letters*, **1997**, 78, 2272-2272 7.4 12
- 549 Determination of the mechanism for resonant scattering in  $\text{LaMnO}_3$ . *Physical Review Letters*, **2006**, 96, 246405 7.4 12
- 548 The surface layer of cleaved bilayer manganites. *Nanotechnology*, **2007**, 18, 044020 3.4 12
- 547 Magnetoelectric emission in rare-earth doped ferroelectric crystals  $\text{La}_2\text{Ti}_2\text{O}_7\text{:R}^{3+}$  (R=Er, Eu, and Nd). *Physical Review B*, **2007**, 75, 3.3 12
- 546 Spectroscopic study of stripe pattern formation induced by current injection in a charge-transfer complex. *Physical Review B*, **2004**, 70, 3.3 12
- 545 Intrinsic tunneling in cuprates and manganites. *Physica C: Superconductivity and Its Applications*, **2002**, 367, 348-354 1.3 12
- 544 Nonlinear magneto-optical properties of colossal magnetoresistive manganites. *Physical Review Letters*, **2001**, 86, 6002-5 7.4 12
- 543 Insulator-Metal Transition in  $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ . *Journal of the Physical Society of Japan*, **2002**, 71, 705-708 1.5 12
- 542 Charge ordering and chemical potential shift in  $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$  studied by photoemission spectroscopy. *Physical Review B*, **2000**, 61, 15515-15518 3.3 12
- 541 Magnetic and transport properties of  $\text{Pr}_{0.65}\text{Ca}_{0.21}\text{Sr}_{0.14}\text{MnO}_3$  and  $\text{Pr}_{0.65}\text{Ba}_{0.35}\text{MnO}_3$  single crystals. *Physical Review B*, **2000**, 61, 6896-6901 3.3 12
- 540 Evolution of the spectral function in Mott-Hubbard systems across metal-insulator transitions. *Physica B: Condensed Matter*, **1993**, 186-188, 981-985 2.8 12
- 539 Surface Exciton Polariton in ZnO. *Journal of the Physical Society of Japan*, **1982**, 51, 2934-2946 1.5 12
- 538 Athermal domain-wall creep near a ferroelectric quantum critical point. *Nature Communications*, **2016**, 7, 10675 17.4 12
- 537 Room-temperature antiskyrmions and sawtooth surface textures in a non-centrosymmetric magnet with S symmetry. *Nature Materials*, **2021**, 20, 335-340 27 12
- 536 Stability of multiferroic phase and magnetization-polarization coupling in Y-type hexaferrite crystals. *Physical Review B*, **2020**, 101, 3.3 11

535	Photoinduced transitions in magnetoresistive manganites: A comprehensive view. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	11
534	Current-Driven Motion of Domain Boundaries between Skyrmion Lattice and Helical Magnetic Structure. <i>Nano Letters</i> , <b>2018</b> , 18, 929-933	11.5	11
533	Spin and orbital disordering by hole doping in $\text{Pr}_{1-x}\text{Ca}_x\text{VO}_3$ . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	11
532	Heat-Treatment-Induced Switching of Magnetic States in the Doped Polar Semiconductor $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$ . <i>Scientific Reports</i> , <b>2016</b> , 6, 25748	4.9	11
531	Deformation of the moving magnetic skyrmion lattice in MnSi under electric current flow. <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	11
530	Nonlinear Ultrafast Spin Scattering in the Skyrmion Phase of $\text{Cu}_{1-x}\text{OSeO}_3$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 107204	7.4	11
529	Electric double layer transistors with ferroelectric $\text{BaTiO}_3$ channels. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 222101	3.4	11
528	Variation of charge dynamics upon the helimagnetic and metal-insulator transitions for perovskite $\text{AFeO}_3$ ( $\text{A} = \text{Sr}$ and $\text{Ca}$ ). <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	11
527	Electromagnons in the multiferroic state of perovskite manganites with symmetric exchange striction. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	11
526	Electronic structures of $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$ , $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ and $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ studied by photoemission and inverse photoemission spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1998</b> , 88-91, 281-285	1.7	11
525	Effect of Quenched Disorder on Charge-Orbital-Spin Ordering in Single-Layer Manganites. <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 053602	1.5	11
524	Pressure-Induced Transition from a Correlated Insulator to a Fermi Liquid Observed in Geometrically Frustrated $\text{Hg}_2\text{Ru}_2\text{O}_7$ Pyrochlore. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 063707	1.5	11
523	Temperature-dependent photoemission spectra, spectral weight transfer, and chemical potential shift in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ : Implications for charge-density modulation. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	11
522	Neutral-Ionic Phase Transition in DMTTF- $\text{QCl}_4$ Investigated by $^{35}\text{Cl}$ NQR. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 073701	1.5	11
521	Temperature dependence of colossal electro-resistance of $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ thin films. <i>Thin Solid Films</i> , <b>2005</b> , 486, 75-78	2.2	11
520	Microscopy of magnetic transition in a layered manganite $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ( $x=0.32$ ). <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	11
519	Magneto-optical effect induced by spin chirality of the itinerant ferromagnet $\text{Nd}_2\text{Mo}_2\text{O}_7$ . <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	11
518	Low temperature TEM study of electronic phase separation in Cr-doped $\text{Nd}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 357-360, 401-405	1.3	11

- 517 Charge and spin ordering in Nd<sub>1/3</sub>Sr<sub>2/3</sub>FeO<sub>3</sub>. *Journal of Physics and Chemistry of Solids*, **2001**, 62, 321-324, 11
- 516 Ultrasonic study of perovskite manganites La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub>. *Physica B: Condensed Matter*, **2000**, 281-282, 487-488, 2.8 11
- 515 Structural phase transformation in the superconducting YLa<sub>x</sub>Ba<sub>2-x</sub>Cu<sub>3</sub>O<sub>7</sub> compounds. *Applied Physics Letters*, **1988**, 52, 1901-1903, 3.4 11
- 514 Metastable skyrmion lattices governed by magnetic disorder and anisotropy in  $\Gamma$ Mn-type chiral magnets. *Physical Review B*, **2020**, 102, 3.3 11
- 513 Large Variation of Dirac Semimetal State in Perovskite CaIrO<sub>3</sub> with Pressure-Tuning of Electron Correlation. *Physical Review Letters*, **2019**, 123, 216601, 7.4 11
- 512 Microwave Directional Dichroism Resonant with Spin Excitations in the Polar Ferromagnet GaV<sub>4</sub>S<sub>8</sub>. *Physical Review Letters*, **2019**, 122, 057202, 7.4 10
- 511 Perovskite LaRhO<sub>3</sub> as a p-type active layer in oxide photovoltaics. *Applied Physics Letters*, **2015**, 106, 072103, 3.4 10
- 510 Strong magneto-optical effects in ACr<sub>2</sub>O<sub>4</sub> (A=Fe,Co) spinel oxides generated by tetrahedrally coordinated transition metal ions. *Physical Review B*, **2018**, 97, 3.3 10
- 509 Electromagnon excitation in the field-induced noncollinear ferrimagnetic phase of Ba<sub>2</sub>Mg<sub>2</sub>Fe<sub>12</sub>O<sub>22</sub> studied by polarized inelastic neutron scattering and terahertz time-domain optical spectroscopy. *Physical Review B*, **2016**, 93, 3.3 10
- 508 Thermoelectric Properties of Electron-Doped SrMnO<sub>3</sub> Single Crystals with Perovskite Structure. *Journal of Electronic Materials*, **2012**, 41, 1559-1563, 1.9 10
- 507 Diffusive charge transport with strongly renormalized carrier mass in hole-doped Mott insulators (Y<sub>1-x</sub>Cd<sub>x</sub>)<sub>2</sub>Mo<sub>2</sub>O<sub>7</sub> with frustrated pyrochlore lattice. *Physical Review B*, **2011**, 84, 3.3 10
- 506 Pseudogap-related charge dynamics in the layered nickelate R<sub>2</sub>Sr<sub>x</sub>NiO<sub>4</sub> (x~1). *Physical Review B*, **2012**, 86, 3.3 10
- 505 Soft X-Ray Magnetic Circular Dichroism Study of the Colossal Magnetoresistance Compound La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub>. *European Physical Journal Special Topics*, **1997**, 7, C2-405-C2-408, 10
- 504 Optical magnetoelectric effect at CaRuO<sub>3</sub>/LaMnO<sub>3</sub> interfaces as a polar ferromagnet. *Applied Physics Letters*, **2008**, 92, 062508, 3.4 10
- 503 Fe-doping-induced evolution of charge-orbital ordering in a bicritical-state manganite. *Physical Review B*, **2007**, 76, 3.3 10
- 502 Electron correlation and the metal-insulator transition of the pyrochlore molybdates R<sub>2</sub>Mo<sub>2</sub>O<sub>7</sub> (R=Nd,Sm,Gd,Tb,Y). *Physical Review B*, **2007**, 75, 3.3 10
- 501 The spin chirality induced anomalous Hall effect in pyrochlore ferromagnets. *Journal of Physics Condensed Matter*, **2004**, 16, S599-S606, 1.8 10
- 500 Specific-heat study of the spin-structural change in pyrochlore Nd<sub>2</sub>Mo<sub>2</sub>O<sub>7</sub>. *Physical Review B*, **2004**, 70, 3.3 10

499	Magnetic-field effect on static antiferromagnetic order above the upper critical field in Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	10
498	Ultrasonic study of orbital and charge fluctuation in Pr <sub>1-x</sub> CaxMnO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2002</b> , 312-313, 757-759	2.8	10
497	Spurious magnetism in high-T <sub>c</sub> superconductor. <i>Nature</i> , <b>2003</b> , 426, 140-140	50.4	10
496	Design of quantum neutral-ionic phase transition in organic charge-transfer complexes. <i>Synthetic Metals</i> , <b>2003</b> , 133-134, 615-618	3.6	10
495	Fabrication of spin-frustrated Sm <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> epitaxial films: High throughput optimization using a temperature gradient method. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1571-1573	3.4	10
494	Optical probe of charge-spin-lattice dynamics in half-doped La <sub>1.5</sub> Sr <sub>0.5</sub> NiO <sub>4</sub> . <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	10
493	Pressure effect on the optical gap transition in a Peierls-Hubbard system: Potassium-tetracyanoquinodimethane. <i>Physical Review B</i> , <b>1993</b> , 48, 6654-6657	3.3	10
492	Static magnetic order in electron-superconductor related compounds. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 825-826	1.3	10
491	Dynamical aspects of neutral-ionic phase transition in organic charge-transfer complex crystals. <i>Synthetic Metals</i> , <b>1988</b> , 27, 189-196	3.6	10
490	Floating zone furnace equipped with a high power laser of 1 kW composed of five smart beams. <i>Journal of Crystal Growth</i> , <b>2020</b> , 533, 125435	1.6	10
489	Kinetic approach to superconductivity hidden behind a competing order. <i>Science Advances</i> , <b>2018</b> , 4, eaau3489	3.49	10
488	Competing exchange interactions in multiferroic and ferrimagnetic CaBaCo <sub>4</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	9
487	Band engineering, carrier density control, and enhanced thermoelectric performance in multi-doped SnTe. <i>APL Materials</i> , <b>2019</b> , 7, 091107	5.7	9
486	Ultrafast spectroscopy of shift-current in ferroelectric semiconductor Sn <sub>2</sub> P <sub>2</sub> S <sub>6</sub> . <i>Applied Physics Letters</i> , <b>2019</b> , 114, 151101	3.4	9
485	Precise resistance measurement of quantum anomalous Hall effect in magnetic heterostructure film of topological insulator. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 143101	3.4	9
484	Versatile optical magnetoelectric effects by electromagnons in MnWO <sub>4</sub> with canted spin-spiral plane. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	9
483	Correlation between site occupancies and spin-glass transition in skyrmion host Co <sub>10-x</sub> Zn <sub>10-x</sub> Mnx. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	9
482	Neutron Brillouin Scattering Experiments with Pulsed Neutrons on High Resolution Chopper Spectrometer HRC. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 502, 012043	0.3	9

- 481 Terahertz magnetoelectric response via electromagnons in magnetic oxides. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3512-3515 2.8 9
- 480 Phase competition and long-period charge/orbital ordering in the overdoped distorted perovskite manganites  $R_{1-x}Sr_xMnO_3$ . *Physical Review B*, **2009**, 80, 3-3 9
- 479 Orbital characters of three-dimensional Fermi surfaces in  $Eu_{2-x}Sr_xNiO_4$  as probed by soft-x-ray angle-resolved photoemission spectroscopy. *Physical Review B*, **2011**, 84, 3-3 9
- 478 Electronic self-organization in the single-layer manganite  $Pr_{1-x}Ca_{1+x}MnO_4$ . *Physical Review Letters*, **2009**, 103, 167202 7.4 9
- 477 Chemical and external pressure effects on ferromagnetic manganites. *Physica B: Condensed Matter*, **1997**, 237-238, 26-27 2.8 9
- 476 Dopant-Dependent Impact of Mn-Site Doping on Critical-State Manganites  $R_{0.6}Sr_{0.4}MnO_3$  ( $R=La, Nd, Sm$ , and  $Gd$ ). *Journal of the Physical Society of Japan*, **2008**, 77, 124712 1.5 9
- 475 Chemical potential shift induced by double-exchange and polaronic effects in  $Nd_{1-x}Sr_xMnO_3$ . *Physical Review B*, **2008**, 77, 3-3 9
- 474 Signature of magnetic phase separation in the ground state of  $Pr_{1-x}Ca_xMnO_3$ . *Physical Review B*, **2008**, 78, 3-3 9
- 473 Effects of uniaxial stress on orbital stripe direction in half-doped layered manganites:  $Eu_{0.5}Ca_{1.5}MnO_4$  and  $Pr(Sr,Ca)_2Mn_2O_7$ . *Physical Review B*, **2008**, 78, 3-3 9
- 472 Magnetic Compton Profile Study of Orbital Ordering State of 3d Electrons in  $YTiO_3$ . *Journal of the Physical Society of Japan*, **2008**, 77, 023705 1.5 9
- 471 Observation of spin reorientation in layered manganites  $La_{1.2}Sr_{1.8}(Mn_{1-y}Ru_y)_2O_7$  ( $0.0 \leq y \leq 0.2$ ) by Lorentz transmission electron microscopy. *Journal of Magnetism and Magnetic Materials*, **2006**, 302, 391-396 2.8 9
- 470 Change in optical anisotropy with rotation of orbital stripe in a half-doped bilayer manganite. *Physical Review B*, **2007**, 75, 3-3 9
- 469 Logarithmic growth law in the two-dimensional Ising spin glass state resulting from the electron doping in single-layered manganites. *Physical Review B*, **2007**, 76, 3-3 9
- 468 Anomalous low-temperature specific heat around the metal-insulator transition in ordered double-perovskite alloys  $Sr_2Fe(Mo_{1-y}Wy)_6$  ( $0 \leq y \leq 1$ ). *Physical Review B*, **2003**, 68, 3-3 9
- 467 Surface lattice dynamics of layered transition metal oxides:  $Sr_2RuO_4$  and  $La_{0.5}Sr_{1.5}MnO_4$ . *Physical Review B*, **2003**, 67, 3-3 9
- 466 Fermi surface of  $Sr_2RuO_4$  from angle resolved photoemission. *Journal of Electron Spectroscopy and Related Phenomena*, **2001**, 114-116, 641-646 1.7 9
- 465 Spontaneous magnetostriction in  $La_{2/3}(Ca_{1-x}Sr_x)_{1/3}MnO_3$  ( $x=0, 0.05, 0.15, 0.25$  and  $1.0$ ) near TC and its field dependence. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 582-584 2.8 9
- 464 Local magnetic states in  $La_{1-x}Sr_xMnO_3$  and  $Nd_{1-x}Sr_xMnO_3$ . *Physica B: Condensed Matter*, **2000**, 281-282, 498-499 2.8 9

463	Spin dynamics in the 2D colossal-magnetoresistive ferromagnet La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Physica B: Condensed Matter</i> , <b>2000</b> , 276-278, 801-802	2.8	9
462	Photoluminescence from pendant dye molecules mediated by exciton transport on helical polysilane chains. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 2443-2445	3.4	9
461	Magnetic properties and CMR effect in layer type manganite under high magnetic fields. <i>Journal of Physics Condensed Matter</i> , <b>1998</b> , 10, 11525-11529	1.8	9
460	Photonic Phase Control of Magnetic Oxides. <i>Molecular Crystals and Liquid Crystals</i> , <b>1998</b> , 315, 257-268		9
459	Magnetic ordering and spin fluctuations in nearly half-doped manganites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1999</b> , 63, 125-132	3.1	9
458	A Molecular Antiferromagnet TMTSF[FeCl <sub>4</sub> . <i>Chemistry Letters</i> , <b>1996</b> , 25, 753-754	1.7	9
457	Pressure effect on the transport properties in the low temperature phase of La <sub>1.875</sub> Ba <sub>0.125</sub> CuO <sub>4</sub> . <i>Physica B: Condensed Matter</i> , <b>1991</b> , 169, 639-640	2.8	9
456	Phase transition of the mixed-stack charge-transfer TTF-p-chloranil single crystals. <i>Synthetic Metals</i> , <b>1987</b> , 19, 515-520	3.6	9
455	Real-Space Observation of Topological Defects in Extended Skyrmion-Strings. <i>Nano Letters</i> , <b>2020</b> , 20, 7313-7320	11.5	9
454	Thermal generation of spin current in a multiferroic helimagnet. <i>APL Materials</i> , <b>2016</b> , 4, 032502	5.7	9
453	Enhanced thermopower in the correlated semimetallic phase of hole-doped pyrochlore iridates. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	8
452	Phase-transition kinetics of magnetic skyrmions investigated by stroboscopic small-angle neutron scattering. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	8
451	Spin excitations of magnetoelectric LiNiPO <sub>4</sub> in multiple magnetic phases. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	8
450	Electronic superlattice revealed by resonant scattering from random impurities in Sr <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub> . <i>Scientific Reports</i> , <b>2013</b> , 3, 2299	4.9	8
449	Superconductivity at the Polar-Nonpolar Phase Boundary of SnP with an Unusual Valence State. <i>Physical Review Letters</i> , <b>2017</b> , 119, 207001	7.4	8
448	Directional electric-field induced transformation from skyrmion lattice to distinct helices in multiferroic Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	8
447	Quantum Phenomena Emerging Near a Ferroelectric Critical Point in a Donor-Acceptor Organic Charge-Transfer Complex. <i>Crystals</i> , <b>2017</b> , 7, 106	2.3	8
446	Ultrafast x-ray and optical signatures of phase competition and separation underlying the photoinduced metallic phase in Pr <sub>1-x</sub> CaxMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	8



445	Magnetization states of canted antiferromagnetic YFeO <sub>3</sub> investigated by terahertz time-domain spectroscopy. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 233101	2.5	8
444	In-plane terahertz response of thin film Sr <sub>2</sub> RuO <sub>4</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	8
443	A Key for Photoinduced Insulator/Metal Transitions in Manganites: Lattice Constant Matching between Charge/Orbital Ordered Insulator and Ferromagnetic Metal. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 023707	1.5	8
442	Observation of Spin Helicity Using Nonresonant Circularly Polarized X-ray Diffraction Analysis. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 043711	1.5	8
441	Chemical potential shifts in correlated electron systems studied by photoemission spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1998</b> , 92, 59-63	1.7	8
440	Coexistence of long-ranged charge and orbital order and spin-glass state in single-layered manganites with weak quenched disorder. <i>Europhysics Letters</i> , <b>2007</b> , 80, 37001	1.6	8
439	Anisotropic Anomalous Hall Effect of Topological Origin in Carrier-Doped FeCr <sub>2</sub> S <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 013710	1.5	8
438	Precipitate-free films of La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> grown on the substrates with artificial step edges. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 3800-3802	3.4	8
437	Third-order nonlinear optical spectroscopy in the two-dimensional cuprates Nd <sub>2</sub> CuO <sub>4</sub> and La <sub>2</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	8
436	Novel metallic ferromagnet Sr <sub>2</sub> CoO <sub>4</sub> . <i>Thin Solid Films</i> , <b>2005</b> , 486, 113-116	2.2	8
435	Josephson plasma observed in underdoped (110) YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 506-508	3.4	8
434	Relaxor behavior in manganites (invited). <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 6857-6862	2.5	8
433	Current-Induced Low-Resistive State in Organic Mott Insulator ET-TCNQ. <i>Chemistry Letters</i> , <b>1999</b> , 28, 765-766	1.7	8
432	Nonlinear optical spectroscopy on polysilanes: Dependence of exciton states on polymer backbone conformations. <i>Synthetic Metals</i> , <b>1995</b> , 71, 1679-1680	3.6	8
431	Electro-modulation spectroscopy on excitons in E-carotene and related polyenes. <i>Synthetic Metals</i> , <b>1995</b> , 71, 1723-1724	3.6	8
430	Crystal structure and optical properties of polymorphic octasilacubane. <i>Applied Physics Letters</i> , <b>1994</b> , 64, 2509-2510	3.4	8
429	Anomalous pressure effects on optical spectra of hydrogen-bonded molecular chain solids: Possible formation of kink solitons. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 8507-8513	3.9	8
428	High pressure study on the superconducting transition temperature and Hall coefficient of Ba <sub>1-x</sub> K <sub>x</sub> BiO <sub>3</sub> up to 8 GPa. <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 210, 485-488	1.3	8



427	Dynamical aspects of photo-induced phase transition in polydiacetylenes. <i>Synthetic Metals</i> , <b>1989</b> , 28, D605-D612	3.6	8
426	Neutral-ionic transition in TTF-chloranil and TMB-TCNQ. <i>Synthetic Metals</i> , <b>1991</b> , 42, 1827-1830	3.6	8
425	Analysis of the quasimetallic reflection band by dynamical coherent potential approximation (DCPA). <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 3009-3020	3.9	8
424	Vibronic Excitons in Anthracene as Investigated by Thermoreflectance Spectra. <i>Journal of the Physical Society of Japan</i> , <b>1982</b> , 51, 1551-1557	1.5	8
423	Bloch Lines Constituting Antiskyrmions Captured via Differential Phase Contrast. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004206	24	8
422	Large non-reciprocal charge transport mediated by quantum anomalous Hall edge states. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 831-835	28.7	8
421	Defect tolerant zero-bias topological photocurrent in a ferroelectric semiconductor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 20411-20415	11.5	8
420	Electric field control of natural optical activity in a multiferroic helimagnet. <i>Science</i> , <b>2021</b> , 372, 496-500	33.3	8
419	Origin of forbidden reflections in multiferroic Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> by neutron diffraction: symmetry lowering or Renninger effect?. <i>Journal of Applied Crystallography</i> , <b>2016</b> , 49, 556-560	3.8	8
418	Directional dichroism in the paramagnetic state of multiferroics: A case study of infrared light absorption in Sr <sub>2</sub> CoSi <sub>2</sub> O <sub>7</sub> at high temperatures. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	8
417	Emergent electromagnetic induction beyond room temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	8
416	Non-local photocurrent in a ferroelectric semiconductor SbSI under local photoexcitation. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 122902	3.4	7
415	Nonlocal accumulation, chemical potential, and Hall effect of skyrmions in Pt/Co/Ir heterostructure. <i>Scientific Reports</i> , <b>2020</b> , 10, 1009	4.9	7
414	Size effects on supercooling phenomena in strongly correlated electron systems: IrTe <sub>2</sub> and (BEDT-TTF) <sub>2</sub> RbZn(SCN) <sub>4</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	7
413	Surface Ordering of Orbitals at a Higher Temperature in LaCoO <sub>3</sub> Thin Film. <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 023704	1.5	7
412	Nonequilibrium skyrmion accumulation induced by direct current in Ir/Co/Pt heterostructure. <i>Applied Physics Express</i> , <b>2019</b> , 12, 073002	2.4	7
411	Role of commensurability of spin order for optical magnetoelectric effect with electromagnons in multiferroic YMn <sub>2</sub> O <sub>5</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	7
410	Revealing orbital and magnetic phase transitions in Pr <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> epitaxial thin films by resonant soft x-ray scattering. <i>New Journal of Physics</i> , <b>2014</b> , 16, 033006	2.9	7

409	Charge-gap formation in the insulating states of $AV_{10}O_{15}$ ( $A = Ba, Sr$ ). <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	7
408	Domain-wall dynamics coupled to proton motion in a hydrogen-bonded organic ferroelectric. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	7
407	Charge-ordering-induced polar domains and domain walls in a bilayered manganite $Pr(Sr_{0.15}Ca_{0.85})_2Mn_2O_7$ . <i>Applied Physics Letters</i> , <b>2010</b> , 96, 032902	3.4	7
406	Tuning of Metal/Insulator Transition of Quasi-Two-Dimensional Electrons at Parylene/ $SrTiO_3$ Interface by Electric Field. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 083713	1.5	7
405	TAIPAN: First Results from the Thermal Triple-axis Spectrometer at OPAL Research Reactor. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 340, 012003	0.3	7
404	Magnetic-field-induced collapse of charge ordering and its bandwidth dependence in $R_{1/2}Ca_{1/2}MnO_3$ ( $R=Pr, Nd$ and $Sm$ ). <i>Physica B: Condensed Matter</i> , <b>1998</b> , 246-247, 491-494	2.8	7
403	Fermi surface of $Sr_2RuO_4$ studied by two-dimensional angle resolved photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1998</b> , 88-91, 473-477	1.7	7
402	Magneto-Optical Characterization on the Ferromagnetic/Paramagnetic Transitions in the Composition-Spread Epitaxial Film of $Sr_{1-x}Ca_xRuO_3$ . <i>Applied Physics Express</i> , <b>2008</b> , 1, 113001	2.4	7
401	Negative spin polarization in $(La,Sr)CoO_3$ probed by a magnetic tunnel junction with $(La,Sr)MnO_3$ . <i>Applied Physics Letters</i> , <b>2007</b> , 91, 192504	3.4	7
400	Clamp-type pressure cell for full structure determination of molecular single crystals up to 1.5GPa. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 073903	1.7	7
399	Neutral-Ionic Transition, Ferroelectricity, and Field-Effect Transistors Based on Molecular Donor-Acceptor Compounds. <i>Molecular Crystals and Liquid Crystals</i> , <b>2006</b> , 455, 295-304	0.5	7
398	Resonant X-ray Study on the Bi-Layered Perovskite Mn Oxide $LaSr_2Mn_2O_7$ . <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 618-626	1.5	7
397	Role of orbital correlation in colossal magnetoresistance. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 239, 170-172	2.8	7
396	Magnetization-induced Second-Harmonic Generation in Magnetic Semiconductor $(Ga,Mn)As$ . <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 2389-2392	1.5	7
395	Orientation-controlled epitaxy of $A_2CuO_3$ ( $A: Sr, Ca$ ) films with large optical nonlinearity. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1754-1756	3.4	7
394	Ultrafast photoinduced insulator/metal transition in $Pr_{0.7}Ca_{0.3}MnO_3$ . <i>Journal of Luminescence</i> , <b>2000</b> , 87-89, 82-85	3.8	7
393	Visualization and switching of the local insulator/metal transition in $Pr_{0.7}Ca_{0.3}MnO_3$ . <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 5561-5563	2.5	7
392	Electrical conductivity of hybrid langmuir-blodgett films of transition metal dichalcogenide and amphiphilic cations. <i>Synthetic Metals</i> , <b>1999</b> , 102, 1485-1486	3.6	7

- 391 Effect of lattice mismatch on surface morphology of (110) thin films of 214-type superconductors. *Applied Physics Letters*, **1995**, 66, 514-516 3.4 7
- 390 Dielectric relaxation derived from collective molecular reorientation of 9-hydroxyphenalenone in the solid state. *Journal of Chemical Physics*, **1994**, 100, 6646-6648 3.9 7
- 389 Synchrotron radiation spectroscopy of quasi-one-dimensional materials. *International Journal of Quantum Chemistry*, **1980**, 18, 655-659 2.1 7
- 388 Determination of crystallographic chirality of MnSi thin film grown on Si (111) substrate. *Physical Review Materials*, **2020**, 4, 3.2 7
- 387 Physical Properties of High-Tc Oxide Superconductors [Effect of Doping on the Electronic State. *Springer Series in Solid-state Sciences*, **1989**, 194-203 0.4 7
- 386 Selective probe of coherent polar phonon and quasiferromagnetic resonance modes in multiferroic GdFeO<sub>3</sub>. *Physical Review B*, **2018**, 98, 3.3 7
- 385 Slow steady flow of a skyrmion lattice in a confined geometry probed by narrow-band resistance noise. *Physical Review B*, **2019**, 100, 3.3 6
- 384 Disentangling transient charge order from structural dynamics contributions during coherent atomic motion studied by ultrafast resonant x-ray diffraction. *Physical Review B*, **2019**, 99, 3.3 6
- 383 Coexistence of monochalcogen and dichalcogen ions in BiSe<sub>2</sub> and BiS<sub>2</sub> crystals prepared at high pressure. *Inorganic Chemistry*, **2015**, 54, 4114-9 5.1 6
- 382 Spin excitations used to probe the nature of exchange coupling in the magnetically ordered ground state of Pr<sub>0.5</sub>Ca<sub>0.5</sub>MnO<sub>3</sub>. *Physical Review B*, **2016**, 94, 3.3 6
- 381 Magnetoelectric effect and magnetic phase diagram of a polar ferrimagnet CaBaFe<sub>4</sub>O<sub>7</sub>. *Physical Review B*, **2016**, 93, 3.3 6
- 380 The low-temperature crystal structure of the multiferroic melilite Ca<sub>2</sub>CoSi<sub>2</sub>O<sub>7</sub>. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2016**, 72, 126-32 1.8 6
- 379 Evidence for Weakly Correlated Oxygen Holes in the Highest-T<sub>c</sub> Cuprate Superconductor HgBa<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>8+δ</sub>. *Physical Review Letters*, **2017**, 119, 057001 7.4 6
- 378 Li et al. reply. *Physical Review Letters*, **2014**, 112, 059702 7.4 6
- 377 Spontaneous B-site order and metallic ferrimagnetism in LaSrVMoO<sub>6</sub> grown by pulsed laser deposition. *Applied Physics Letters*, **2013**, 102, 222406 3.4 6
- 376 Garnet superlattice as a transparent above-room-temperature polar magnet. *Physical Review B*, **2011**, 83, 3.3 6
- 375 Imaging of variation in charge/orbital/spin ordering structure in Sm<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (x=0.55 and 0.6). *Applied Physics Letters*, **2009**, 94, 082509 3.4 6
- 374 Single-crystalline Sr<sub>2</sub>MoO<sub>4</sub> films as prepared by pulsed laser deposition. *Journal of Crystal Growth*, **2011**, 322, 38-40 1.6 6

- 373 Orbital ordered states in  $\text{RVO}_3$  ( $\text{R} = \text{Y, Tb}$ ) studied by a resonant x-ray scattering. *Journal of Physics: Conference Series*, **2009**, 150, 042010 0.3 6
- 372 Magnetic and transport properties of organic radical ion salts containing tetrahalogenoferrate anion. *Synthetic Metals*, **1997**, 85, 1681-1682 3.6 6
- 371 NMR study of ferromagnetic  $\text{YTiO}_3$  and antiferromagnetic  $\text{LaTiO}_3$ . *Physica B: Condensed Matter*, **1997**, 237-238, 39-40 2.8 6
- 370 High resolution photoemission study of  $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ : Temperature dependence and resonance spectra. *Physica B: Condensed Matter*, **1997**, 237-238, 413-414 2.8 6
- 369 Spin and charge ordering in  $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$  with  $0.27 \leq x \leq 0.5$ . *Physica B: Condensed Matter*, **1997**, 241-243, 880-882 2.8 6
- 368 Magnetic quasidomain structures in Ru-doped  $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$  thin films. *Applied Physics Letters*, **2008**, 93, 252503 3.4 6
- 367 Spin waves and phonons in the CMR ferromagnet  $\text{La}_{0.70}\text{Ca}_{0.30}\text{MnO}_3$ . *Physica B: Condensed Matter*, **2006**, 385-386, 66-68 2.8 6
- 366 Spin dynamics and magnon-phonon interactions in  $\text{Nd}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ . *Journal of Magnetism and Magnetic Materials*, **2006**, 302, 237-243 2.8 6
- 365  $\text{Sr}_2\text{TMO}_3$  ( $\text{TM} = \text{Ni, Co}$ ) Compounds with 1D  $\text{TMO}$  Chains. *Advanced Materials*, **2006**, 18, 2541-2544 2.4 6
- 364 Photoinduced Dynamics of Sublattice Magnetization in Ferrimagnets:  $\text{FeCr}_2\text{S}_4$  and  $\text{CoCr}_2\text{S}_4$ . *Journal of the Physical Society of Japan*, **2006**, 75, 083707 1.5 6
- 363 Direct observation of the bandwidth-disorder induced variation of charge/orbital ordering structure in  $\text{RE}_{0.5}(\text{Ca}_{1-y}\text{Sr}_y)_{1.5}\text{MnO}_4$ . *Journal of Physics Condensed Matter*, **2007**, 19, 172203 1.8 6
- 362 Asymmetric behavior of charge-orbital order in electron/hole-doped A-site ordered manganites  $\text{Eu}(\text{Ba}_{1-x}\text{La}_x)\text{Mn}_2\text{O}_6$  and  $(\text{Eu}_{1-x}\text{Ca}_x)\text{BaMn}_2\text{O}_6$ . *Physical Review B*, **2006**, 74, 3.3 6
- 361 Electronic structure of  $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$  studied by x-ray photoemission spectroscopy. *Physical Review B*, **2004**, 70, 3.3 6
- 360 Perturbed angular correlation study of  $\text{Pr}_{1-x}\text{La}_x\text{MnO}_3$ . *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E1667-E1668 2.8 6
- 359 Reply to Comment on x-ray resonant scattering studies of orbital and charge ordering in  $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . *Physical Review B*, **2003**, 68, 3.3 6
- 358 Direct observation of ordered orbital of  $\text{YTiO}_3$  by the X-ray magnetic diffraction technique. *Nuclear Instruments & Methods in Physics Research B*, **2005**, 238, 237-241 1.2 6
- 357 High-resolution photoemission study of  $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$ . *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 807-809 1.7 6
- 356 Orbital-ordering-induced anomalous softening of the ferromagnetic spin waves in perovskite manganites. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 892-894 2.8 6

355	Perring et al. Reply.. <i>Physical Review Letters</i> , <b>1998</b> , 80, 4359-4359	7.4	6
354	<sup>1</sup> H NMR study in two dimensional Mott-Hubbard system, (BEDT-TTF)(TCNQ). <i>Synthetic Metals</i> , <b>1995</b> , 70, 881-882	3.6	6
353	Optical properties of polysilanes and related materials. <i>Synthetic Metals</i> , <b>1995</b> , 71, 2005-2008	3.6	6
352	Photo-induced bi-directional phase transitions in polydiacetylene single crystals. <i>Synthetic Metals</i> , <b>1993</b> , 55, 103-108	3.6	6
351	Tailoring band structure and band filling in a simple cubic (IV, III)-VI superconductor. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	6
350	Collapse of the simple localized 3d1 orbital picture in Mott insulator. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	6
349	Transport and Magnetic Properties of (La <sub>1-x</sub> Sr) <sub>2</sub> CuO <sub>4</sub> . <i>Springer Series in Materials Science</i> , <b>1989</b> , 238-248.	3.9	6
348	Heteroepitaxial growth of wide bandgap cuprous iodide films exhibiting clear free-exciton emission. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 012103	3.4	6
347	Square and rhombic lattices of magnetic skyrmions in a centrosymmetric binary compound.. <i>Nature Communications</i> , <b>2022</b> , 13, 1472	17.4	6
346	Electronic and magnetic excitations in the half-stuffed Cu-O planes of Ba <sub>2</sub> Cu <sub>3</sub> O <sub>4</sub> Cl <sub>2</sub> measured by resonant inelastic x-ray scattering. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
345	Emergent charge order near the doping-induced Mott-insulating quantum phase transition in Sr <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub> . <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	5
344	Anomalous enhancement of upper critical field in Sr <sub>2</sub> RuO <sub>4</sub> thin films. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	5
343	Anisotropic Quantum Transport through a Single Spin Channel in the Magnetic Semiconductor EuTiO. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908315	24	5
342	Robust Ferromagnetism in Highly Strained SrCoO <sub>3</sub> Thin Films. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	5
341	Evolution of Electronic States and Emergence of Superconductivity in the Polar Semiconductor GeTe by Doping Valence-Skipping Indium. <i>Physical Review Letters</i> , <b>2020</b> , 124, 047002	7.4	5
340	Magnetic excitations from the two-dimensional interpenetrating Cu framework in Ba <sub>2</sub> Cu <sub>3</sub> O <sub>4</sub> Cl <sub>2</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
339	Visualizing the evolution of surface localization in the topological state of Bi <sub>2</sub> Se <sub>3</sub> by circular dichroism in laser-based angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
338	Temperature and field dependence of magnetic domains in La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	5

- 337 Resonant x-ray magnetoelectric effect in a centrosymmetric spinel oxide. *Physical Review B*, **2009**, 79, 3.3 5
- 336 Optical probe for anomalous Hall resonance in ferromagnets with spin chirality. *Physical Review Letters*, **2009**, 103, 267206 7.4 5
- 335 Magnetic-field control of electric polarization in a helimagnetic hexaferrite Ba<sub>2</sub>Mg<sub>2</sub>Fe<sub>12</sub>O<sub>22</sub>. *Journal of Physics: Conference Series*, **2009**, 150, 042073 0.3 5
- 334 Interfacial Structure of Manganite Superlattice. *Journal of the Physical Society of Japan*, **2011**, 80, 073601 1.5 5
- 333 Magnetic Phase Diagrams of YVO<sub>3</sub> and TbVO<sub>3</sub> under High Pressure. *Journal of the Physical Society of Japan*, **2012**, 81, 024715 1.5 5
- 332 Supramolecular approach to organic ferroelectrics. *Physica B: Condensed Matter*, **2010**, 405, S334-S337 2.8 5
- 331 Coexistence of Electric Conductivity and Magnetism in the Ion-Radical Salts of a Cross-Cyclophane Twin Donor. *Molecular Crystals and Liquid Crystals*, **1997**, 306, 265-270 5
- 330 Nonreciprocal Directional Dichroism in Ferroelectric Nd<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub>. *Journal of the Physical Society of Japan*, **2008**, 77, 033706 1.5 5
- 329 Anomalous Hall effect and Nernst effect in itinerant ferromagnets. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 2000-2002 2.8 5
- 328 Pinning effect of the antiphase and grain boundaries on magnetic domains in double perovskite A<sub>2</sub>FeMoO<sub>6</sub>. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 1572-1574 2.8 5
- 327 Effect of pressure on the spin-polarized intergrain tunneling in single and polycrystalline Sr<sub>2</sub>FeMoO<sub>6</sub>. *Physical Review B*, **2007**, 75, 3.3 5
- 326 Phase diagrams of perovskite-type manganese oxides. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 2214-2221 3.9 5
- 325 A composition-spread approach to investigate band-filling dependence on magnetic and electronic phases for Perovskite manganite. *Applied Surface Science*, **2002**, 189, 339-343 6.7 5
- 324 Jahn-Teller distortion and cluster-glass like behavior in La<sub>0.875</sub>Ca<sub>0.125</sub>MnO<sub>3</sub>. *Journal of Physics and Chemistry of Solids*, **2002**, 63, 939-942 3.9 5
- 323 Bulk electronic structures of n-type superconductor Nd<sub>1.85</sub>Ce<sub>0.15</sub>CuO<sub>4</sub> probed by high energy angle-resolved photoemission spectroscopy. *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 541-543 1.7 5
- 322 X-ray resonant scattering studies of charge and orbital ordering in Pr<sub>1-x</sub>Ca<sub>x</sub>MnO<sub>3</sub>. *Journal of Magnetism and Magnetic Materials*, **2001**, 233, 31-37 2.8 5
- 321 INTERBAND TWO-PHOTON TRANSITION IN MOTT INSULATOR AS A NEW MECHANISM FOR ULTRAFAST OPTICAL NONLINEARITY. *International Journal of Modern Physics B*, **2001**, 15, 3628-3632 1.1 5
- 320 Determination of the Lowest Unoccupied Orbital in the Layered Perovskite LaSrMnO<sub>4</sub> Using Polarized Oxygen K Edge Absorption Spectroscopy. *Journal of the Physical Society of Japan*, **2000**, 69, 2391-2394 1.5 5



319	Spin dynamics in Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> with x=0.5. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 289-290, 56-60	2.8	5
318	Soft-X-ray emission study on La <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2000</b> , 281-282, 615-616	2.8	5
317	Dominant Role of a Pseudogap in the Physics of the Colossal Magnetoresistive Oxides. <i>International Journal of Modern Physics B</i> , <b>1998</b> , 12, 3389-3392	1.1	5
316	Resonant photoemission study of LaTiO <sub>3</sub> . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1999</b> , 68, 123-125	3.1	5
315	NMR study on electronic and magnetic state in RTiO <sub>3</sub> (R=La, Y). <i>Journal of Low Temperature Physics</i> , <b>1996</b> , 105, 413-418	1.3	5
314	Charge-Transfer Type Excitations in Layered Cupric Halides. <i>Japanese Journal of Applied Physics</i> , <b>1993</b> , 32, 344	1.4	5
313	Pressure Effects on the Antiferroelectric Phase Transition in K <sub>3</sub> H(SO <sub>4</sub> ) <sub>2</sub> and K <sub>3</sub> D(SO <sub>4</sub> ) <sub>2</sub> . <i>Japanese Journal of Applied Physics</i> , <b>1993</b> , 32, 309	1.4	5
312	La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> (110) thin films epitaxially grown along the CuO <sub>2</sub> plane on Pr <sub>2</sub> CuO <sub>4</sub> single crystals. <i>Applied Physics Letters</i> , <b>1992</b> , 61, 2470-2472	3.4	5
311	Photo-induced Phase Transitions in Quasi-One-Dimensional Molecular Systems. <i>Molecular Crystals and Liquid Crystals</i> , <b>1992</b> , 216, 3-6		5
310	Single-Crystal X-Ray Structure Analysis of New Oxide-Superconductor Bi <sub>2</sub> (Sr <sub>1-x</sub> Ln <sub>x</sub> ) <sub>2</sub> (Gd <sub>1-y</sub> Ce <sub>y</sub> ) <sub>2</sub> Cu <sub>2</sub> O <sub>10+z</sub> . <i>Japanese Journal of Applied Physics</i> , <b>1990</b> , 29, L572-L575	1.4	5
309	Molecular design for reversible phase transition systems based on polydiacetylenes. <i>Synthetic Metals</i> , <b>1991</b> , 41, 231-234	3.6	5
308	Molecular vibrational spectroscopy of structural phase transitions in organic charge transfer crystals. <i>Synthetic Metals</i> , <b>1987</b> , 19, 527-532	3.6	5
307	Negative-pressure-induced helimagnetism in ferromagnetic cubic perovskites Sr <sub>1-x</sub> Ba <sub>x</sub> CoO <sub>3</sub> . <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	5
306	Direct visualization of the three-dimensional shape of skyrmion strings in a noncentrosymmetric magnet. <i>Nature Materials</i> , <b>2021</b> ,	27	5
305	Direct Observation of Charge and Orbital Ordering by Resonant X-ray Scattering. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, 360	1.4	5
304	Interconversion of multiferroic domains and domain walls. <i>Nature Communications</i> , <b>2021</b> , 12, 2755	17.4	5
303	Direct Observation of Cycloidal Spin Modulation and Field-induced Transition in NÉl-type Skyrmion-hosting VOSe <sub>2</sub> O <sub>5</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2021</b> , 90, 024705	1.5	5
302	Real-space observations of 60-nm skyrmion dynamics in an insulating magnet under low heat flow. <i>Nature Communications</i> , <b>2021</b> , 12, 5079	17.4	5

301	In-Plane Magnetic Field-Driven Creation and Annihilation of Magnetic Skyrmion Strings in Nanostructures. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008521	15.6	5
300	Picosecond Creation of Switchable Optomagnets from a Polar Antiferromagnet with Giant Photoinduced Kerr Rotations. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	4
299	Growth of visible-light-responsive ferroelectric SbSI thin films by molecular beam epitaxy. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 072902	3.4	4
298	Electromagnon Resonance at Room Temperature with Gigantic Magnetochromism. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	4
297	Uniaxial-stress Effects on Helimagnetic Orders and Skyrmion Lattice in Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2018</b> , 87, 094709	1.5	4
296	ESR evidence for partial melting of the orbital order in LaMnO <sub>3</sub> below the Jahn-Teller transition. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	4
295	Emergent phenomena in perovskite-type manganites. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 1685-1688	8.8	4
294	Miniature Hall sensor integrated on a magnetic thin film for detecting domain wall motion. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 053909	2.5	4
293	Nonequilibrium electronic and phonon dynamics of Cu <sub>0.17</sub> Bi <sub>2</sub> Se <sub>3</sub> investigated by core-level and valence-band time-resolved photoemission spectroscopy. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	4
292	Science from the Initial Operation of HRC <b>2015</b> ,		4
291	Optimal T <sub>c</sub> for Electron-Doped Cuprate Realized under High Pressure. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 063705	1.5	4
290	Lattice dynamics in the ab- and bc-spiral spin-ordered states of perovskite manganites. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	4
289	Spin chirality and electric polarization in multiferroic compounds RMn <sub>2</sub> O <sub>5</sub> (R=Ho, Er). <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 2513-2516	2.8	4
288	Experimental Determination of the key Energy Scales in the Colossal Magnetoresistive Manganites. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 494, 181		4
287	Spin polarization of La 5d-state in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>1997</b> , 237-238, 41-43	2.8	4
286	Two-dimensional anisotropy in a layered metallic antiferromagnet RE <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> with. <i>Physica B: Condensed Matter</i> , <b>1997</b> , 241-243, 289-294	2.8	4
285	Ultrafast photoinduced ferromagnetism in the perovskite manganite Gd <sub>0.55</sub> Sr <sub>0.45</sub> MnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07B110	2.5	4
284	Strong electron correlation effects in non-volatile electronic memory devices		4

283	Metamagnetic transition and recovery of isotropic transport phenomena in A-type antiferromagnet Pr <sub>0.45</sub> Sr <sub>0.55</sub> MnO <sub>3</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2002</b> , 63, 925-928	3.9	4
282	Electron correlation energy of La <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> by high-resolution soft-X-ray emission spectroscopy. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 199, 386-390	1.2	4
281	Giant negative magnetoresistance in a metallic ferromagnet Sm <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> . <i>Physica B: Condensed Matter</i> , <b>2000</b> , 284-288, 1448-1449	2.8	4
280	Electronic structure of Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> : Evidence for a disparity between hole and electron doped cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 2083-2086	1.3	4
279	Coexistence of two components in the optical spectra of CeTiO <sub>3.04</sub> in the antiferromagnetic metallic phase. <i>Physical Review B</i> , <b>2000</b> , 62, 10797-10801	3.3	4
278	Concurrent Nd and Mn spin excitations in Nd <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 5564-5566	3.6	4
277	X-Ray effects in charge-ordered manganites: a magnetic mechanism of persistent photoconductivity. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1999</b> , 63, 30-35	3.1	4
276	Electronic Structure Measurements of Colossal Magnetoresistive Manganese-Oxides: Polaronic Effects on the Band Structure. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>1999</b> , 12, 273-276		4
275	Extended van-Hove singularity in Sr <sub>2</sub> RuO <sub>4</sub> observed by angle-resolved photoemission. <i>Physica C: Superconductivity and Its Applications</i> , <b>1996</b> , 263, 505-509	1.3	4
274	Enhanced carrier mass near the metal insulator transition in La <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> and Y <sub>1-x</sub> CaxTiO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>1994</b> , 199-200, 628-630	2.8	4
273	Electronic structure and metal-insulator transitions in Ti and V oxides. <i>Physica B: Condensed Matter</i> , <b>1993</b> , 186-188, 1074-1076	2.8	4
272	Photoemission spectroscopic study of copper-oxide superconductors and related materials. <i>Physica B: Condensed Matter</i> , <b>1990</b> , 165-166, 1225-1226	2.8	4
271	Optical study of the electronic state in La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>Physica B: Condensed Matter</i> , <b>1990</b> , 165-166, 1249-1250	3.5	4
270	Electro-absorption spectroscopy of electronic structures in polysilanes. <i>Synthetic Metals</i> , <b>1991</b> , 41, 1385-1388	3.8	4
269	Domain-wall excitations in organic charge-transfer compounds investigated by photo-reflectance spectroscopy. <i>Synthetic Metals</i> , <b>1991</b> , 42, 2351-2354	3.6	4
268	Synthesis and X-Ray Powder Diffraction Analysis of a New Metallic (but not Superconducting) Copper Oxide: La <sub>1.67</sub> Sr <sub>0.33</sub> Cu <sub>2</sub> O <sub>5</sub> . <i>Powder Diffraction</i> , <b>1988</b> , 3, 81-83	1.8	4
267	Exciton spectra of isotopic mixed crystals of anthracene: C <sub>14</sub> H <sub>10</sub> -C <sub>14</sub> D <sub>10</sub> . <i>Journal of Luminescence</i> , <b>1979</b> , 18-19, 467-471	3.8	4
266	Zoology of Multiple-Q Spin Textures in a Centrosymmetric Tetragonal Magnet with Itinerant Electrons.. <i>Advanced Science</i> , <b>2022</b> , e2105452	13.6	4

265	Dynamic transition of current-driven single-skyrmion motion in a room-temperature chiral-lattice magnet. <i>Nature Communications</i> , <b>2021</b> , 12, 6797	17.4	4
264	Current scaling of the topological quantum phase transition between a quantum anomalous Hall insulator and a trivial insulator. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	4
263	Nonreciprocal second harmonic generation in a magnetoelectric material. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	4
262	Vital role of magnetocrystalline anisotropy in cubic chiral skyrmion hosts. <i>Npj Quantum Materials</i> , <b>2021</b> , 6,	5	4
261	Ordering phenomena of spin trimers accompanied by a large geometrical Hall effect. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	4
260	Emergence of interfacial conduction and ferromagnetism in MnTe/InP. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 181602	3.4	4
259	Tunable giant negative thermal expansion in Ti2O3-based polycrystalline materials. <i>Applied Physics Express</i> , <b>2021</b> , 14, 107001	2.4	4
258	Strain-engineering of charge transport in the correlated Dirac semimetal of perovskite CaIrO3 thin films. <i>APL Materials</i> , <b>2019</b> , 7, 081115	5.7	3
257	Decoupling spin-orbital correlations in a layered manganite amidst ultrafast hybridized charge-transfer band excitation. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	3
256	Photocreating supercooled spiral-spin states in a multiferroic manganite. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	3
255	Spin and dipole order in geometrically frustrated mixed-valence manganite Pb3Mn7O15. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 12562-12573	2.1	3
254	Microscopic origin of ferrimagnetism of a double perovskite Sr2FeMoO6:An x-ray magnetic circular dichroism study. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 502, 012003	0.3	3
253	Anomalous metallic ground state in BaV13O18. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	3
252	Control of orbital ordered state in strained Nd0.25Sr1.75MnO4 films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 202508	3.4	3
251	Competing electronic orders in anisotropically strained (Pr0.6Ca0.4)1-x(La0.6Sr0.4)xMnO3 thin films. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	3
250	eg-level splitting in a layered perovskite manganite as revealed by charge modulation spectroscopy. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	3
249	Time-resolved studies of phase transition dynamics in strongly correlated manganites. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 148, 012013	0.3	3
248	Charge-Lattice-Coupled Quantum Fluctuations in DMTTF0.6QBr2Cl2. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 043709	1.5	3

247	Effect of the magnetic field on the spin, charge and orbital ordered states in perovskite-type manganese oxides. <i>Physica B: Condensed Matter</i> , <b>1998</b> , 246-247, 135-140	2.8	3
246	Magnetic dynamics in colossal magnetoresistive perovskite manganites. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>1998</b> , 356, 1563-1575	3	3
245	Pressure effects on the orbital ordered state of. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 785-786	2.8	3
244	NMR measurements of the quasi-one-dimensional superconductor $\text{Na}_{0.33}\text{V}_2\text{O}_5$ under high pressure using a modified Bridgman anvil cell. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1110-1112	2.8	3
243	Interface properties of superlattices with artificially broken symmetry. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 2204-2206	2.8	3
242	Diversity of electronic states of $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ revealed by soft X-ray photoemission. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 378-380, 515-517	2.8	3
241	Filling dependence of thermoelectric power in transition-metal monosilicides <b>2007</b> ,		3
240	Spin-glass behaviour and dynamical process of high field magnetisation in disordered perovskite manganites. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 51, 75-78	0.3	3
239	High-pressure effects on the superconductivity of $\text{Pyrochlore}$ oxides $\text{AOs}_2\text{O}_6$ . <i>Physica B: Condensed Matter</i> , <b>2006</b> , 378-380, 882-883	2.8	3
238	Unoccupied Electronic State of Lightly La-Doped $\text{SrTiO}_3$ Observed by Inverse-Photoemission Spectroscopy. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, L837-L839	1.4	3
237	Chemical control of spin chirality in $(\text{Nd}_{1-x}\text{Dy}_x)_2\text{Mo}_2\text{O}_7$ . <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	3
236	Atomic-scale characterization of perovskite superlattice using chemical lattice imaging and spatially resolved electron energy-loss spectroscopy. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 5374-5376	3.4	3
235	Evidence of negative spin polarization in ferromagnetic $\text{Sr}_2\text{FeMoO}_6$ as observed in a magnetic Compton profile study. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	3
234	C-type antiferromagnetic ordering in the single-layered manganite $\text{Nd}_{0.22}\text{Sr}_{1.78}\text{MnO}_4$ . <i>Physica B: Condensed Matter</i> , <b>2002</b> , 312-313, 760-762	2.8	3
233	Strong electron correlation of Re 5d electrons in $\text{Ca}_2\text{FeReO}_6$ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2005</b> , 144-147, 337-339	1.7	3
232	Intrinsic spin valves in the layered manganite $\text{La}_{1.4}\text{Sr}_{1.6}\text{Mn}_2\text{O}_7$ . <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7520	2.5	3
231	Quasi-elastic ferromagnetic excitations in $\text{Nd}_{1/2}\text{Sr}_{1/2}\text{MnO}_3$ . <i>Journal of Physics and Chemistry of Solids</i> , <b>1999</b> , 60, 1177-1180	3.9	3
230	Response to Comment on Crystal structures and optical properties of polymorphic octasilacubane [Appl. Phys. Lett. 66, 1291 (1995)]. <i>Applied Physics Letters</i> , <b>1995</b> , 66, 1292-1292	3.4	3

229	Study on the metal-insulator transition of $\text{La}_{1-x}\text{Sr}_x\text{TiO}_3$ and $\text{Y}_{1-x}\text{Ca}_x\text{TiO}_3$ by heat capacity measurement. <i>Physica B: Condensed Matter</i> , <b>1994</b> , 194-196, 463-464	2.8	3
228	Resonance enhancement effect in non-linear optical susceptibility of polysilanes. <i>Synthetic Metals</i> , <b>1992</b> , 50, 415-421	3.6	3
227	Nonlinear Optical Properties of Polysilanes. <i>Molecular Crystals and Liquid Crystals</i> , <b>1992</b> , 217, 25-30		3
226	A Study of the Superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ System by X-Ray Powder Diffraction. <i>Powder Diffraction</i> , <b>1989</b> , 4, 152-155	1.8	3
225	One-dimensional ferroelectricity and dynamics of domain-walls in organic compounds. <i>Synthetic Metals</i> , <b>1991</b> , 43, 3275-3278	3.6	3
224	Magnetic field dependence of the resistivity and susceptibility of the above-100-K Bi-Sr-Ca-Cu superconductor. <i>Physical Review B</i> , <b>1988</b> , 38, 7101-7104	3.3	3
223	Structural, magnetic, transport, and thermoelectric properties of the pseudobrookite $\text{AlTi}_2\text{O}_5/\text{Ti}_3\text{O}_5$ system. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	3
222	Highly tunable topological system based on PbTe-SnTe binary alloy. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	3
221	Symmetry Analysis of the Fermi Surface States of $\text{Sr}_2\text{RuO}_4$ by Display-Type Photoelectron Spectroscopy. <i>Journal of the Physical Society of Japan</i> , <b>1999</b> , 68, 1398-1403	1.5	3
220	Particle-size dependent structural transformation of skyrmion lattice. <i>Nature Communications</i> , <b>2020</b> , 11, 5685	17.4	3
219	Nano-to-micro spatiotemporal imaging of magnetic skyrmion's life cycle. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	3
218	Visualization of Electronic Multiple Ordering and Its Dynamics in High Magnetic Field: Evidence of Electronic Multiple Ordering Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20136-20141	9.5	3
217	Topological defect-mediated skyrmion annihilation in three dimensions. <i>Communications Physics</i> , <b>2021</b> , 4,	5.4	3
216	Colossal Magnetoresistive Oxides in High Magnetic Fields. <i>Lecture Notes in Physics</i> , <b>2002</b> , 361-376	0.8	3
215	Quantum anomalous Hall effect with a permanent magnet defines a quantum resistance standard. <i>Nature Physics</i> , <b>2022</b> , 18, 25-29	16.2	3
214	In-Plane Magnetic Field Evaluation with 0.47-nm Resolution by Aberration-Corrected 1.2-MV Holography Electron Microscope. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 54-55	0.5	2
213	Phonon anomalies in pyrochlore iridates studied by Raman spectroscopy. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
212	X-ray induced lock-in transition of cycloidal magnetic order in a multiferroic perovskite manganite. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	2



211	Microscopic characterization of the superconducting gap function in $\text{Sn}_{1-x}\text{In}_x\text{Te}$ . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
210	Characterization of $\text{Sr}_2\text{RuO}_4$ Josephson junctions made of epitaxial films. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
209	Magnetoelectric spectroscopy of spin excitations in $\text{LiCoPO}_4$ . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
208	Enhanced ferromagnetic transition temperature induced by a microscopic structural rearrangement in the diluted magnetic semiconductor $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$ . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	2
207	Orbital correlations and dimensional crossover in epitaxial $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3/\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ superlattices. <i>New Journal of Physics</i> , <b>2014</b> , 16, 073044	2.9	2
206	Electronic phase transition and an anomalous ordered phase in $\text{Ba}_2\text{Ti}_{13}\text{O}_{22}$ with 3d1 ions on a triangle-based lattice. <i>Physical Review Letters</i> , <b>2013</b> , 110, 196405	7.4	2
205	Ce electronic states in $\text{Nd}_{(0.45-x)}\text{Ce}_x\text{Sr}_{0.55}\text{MnO}_3$ probed by x-ray absorption spectroscopy and photoemission. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 415601	1.8	2
204	X-ray photoinduced persistent and bidirectional phase transition enabled by impurity doping in layered manganite. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	2
203	High-field study of multiferroic properties in orthorhombic $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$ . <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 042212	0.3	2
202	Electrically driven spin excitation at THz frequencies in chiral spin phases of perovskite manganites. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 148, 012038	0.3	2
201	Resonant X-ray scattering study of perovskite-type vanadate $\text{RVO}_3$ . <i>Diamond Light Source Proceedings</i> , <b>2010</b> , 1,		2
200	X-Ray Induced Insulator-Metal Transitions in CMR Manganites. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 494, 65		2
199	Charge ordering and spin dynamics in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Physica B: Condensed Matter</i> , <b>1997</b> , 241-243, 436-438		2
198	COMPARISON OF THE MEASURED ELECTRONIC STRUCTURE OF THE COLOSSAL MAGNETORESISTIVE MANGANITES AND HIGH $T_c$ SUPERCONDUCTORS: BAND STRUCTURE, PHOTOEMISSION LINESHAPES, AND A PSEUDOGAP. <i>Journal of Physics and Chemistry of Solids</i> , <b>1998</b> , 59, 1917-1926	3.9	2
197	Chemical potential landscape in band filling and bandwidth-control of manganites: Photoemission spectroscopy measurements. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	2
196	Effect of Quenched Disorder on Charge Ordering Structure in $\text{RE}_{1.67}\text{AE}_{0.33}\text{NiO}_4$ (RE = La, Pr, Nd, Sm; AE = Ca, Sr). <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 093709	1.5	2
195	In-plane optical anisotropy for the charge/orbital ordered state in half-doped layered manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 763-765	2.8	2
194	Imaging of Polarons in Ferromagnetic Bilayered Manganites by Scanning Tunnelling Microscopy. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2007</b> , 20, 531-533	1.5	2

- 193 Ferromagnetic ratchet superlattice with a broken inversion symmetry. *Physical Review B*, **2007**, 75, 3.3 2
- 192 Electronic structure for the metal-insulator transition in  $\text{La}_{1-x}\text{Sr}_x\text{TiO}_3$  probed by resonant soft-X-ray emission spectroscopy. *Physica B: Condensed Matter*, **2004**, 351, 310-312 2.8 2
- 191 Anomalous Hall effect in Ca-doped  $\text{SrRuO}_3$  films. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E785-E786 2.8 2
- 190 Polaron lifetime in  $\text{La}_{0.75}\text{Ca}_{0.25}\text{MnO}_3$ . *Applied Physics A: Materials Science and Processing*, **2002**, 74, s1782-s1784 2.8 2
- 189 Large Optical Nonlinearity in 1D and 2D Cuprates Investigated by Third Harmonic Generation Spectroscopy. *Synthetic Metals*, **2003**, 135-136, 313-314 3.6 2
- 188 Ferromagnetic metal to spin-glass insulator transition in pyrochlore-type molybdates  $\text{R}_2\text{Mo}_2\text{O}_7$  studied with photoemission and XMCD. *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 711-713 1.7 2
- 187 PHOTOINDUCED PHASE TRANSITION IN SINGLE CRYSTALS ON URETHANE-SUBSTITUTED POLYDIACETYLENES. *International Journal of Modern Physics B*, **2001**, 15, 3969-3972 1.1 2
- 186 Anisotropic magnetic domain structure of layered manganite  $\text{La}_{1.4}\text{Sr}_{1.6}\text{Mn}_2\text{O}_7$ . *Applied Physics Letters*, **2001**, 78, 2023-2025 3.4 2
- 185 Gigantic Optical Nonlinearity In One-Dimensional Mott Insulators. *Nonlinear Optics, Quantum Optics*, **2002**, 29, 687-695 2
- 184 Raman Scattering in CMR Manganites. *Materials Science Forum*, **1999**, 302-303, 134-138 0.4 2
- 183 Angle-resolved and resonant photoemission study of  $\text{Sr}_2\text{RuO}_4$ . *Journal of Physics and Chemistry of Solids*, **1995**, 56, 1885-1886 3.9 2
- 182 High-resolution angle-resolved photoemission study of non cuprate two-dimensional superconductor  $\text{Sr}_2\text{RuO}_4$ . *Journal of Electron Spectroscopy and Related Phenomena*, **1996**, 78, 171-174 1.7 2
- 181 Dielectric Property of Hydrogen-Bonded Squaric Acid Derivatives. *Molecular Crystals and Liquid Crystals*, **1996**, 285, 275-280 2
- 180 Anomalous pressure effects on the Raman spectra in hydrogen-bonded molecular chain systems. *Journal of Chemical Physics*, **1994**, 101, 1813-1819 3.9 2
- 179 Dynamics of Photo-Induced Phase-Transition in Low Dimensional Organic Crystals and the Role of Phonocarriers. *Molecular Crystals and Liquid Crystals*, **1994**, 252, 283-292 2
- 178 Optical conductivity in  $\text{Pr}_{2-x}\text{Ce}_x\text{CuO}_4$  single crystals: Comparison with the case of  $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . *Physica C: Superconductivity and Its Applications*, **1991**, 185-189, 1021-1022 1.3 2
- 177 Magnetism in electron-doped copper oxides. *Hyperfine Interactions*, **1991**, 63, 311-317 0.8 2
- 176 Sensitization of Photochromism in Polydiacetylene Films by Phthalocyanine Layer. *Japanese Journal of Applied Physics*, **1990**, 29, L977-L980 1.4 2

175	Electronic structure of P-type and N-type cuprate superconductors. <i>Journal of the Less Common Metals</i> , <b>1990</b> , 164-165, 741-748		2
174	Nonlinear soliton transport in charge transfer compounds. <i>Synthetic Metals</i> , <b>1991</b> , 42, 1675-1678	3.6	2
173	Domain wall dynamics in mixed-stack charge-transfer crystal. <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , <b>1986</b> , 143, 527-529		2
172	Geometrically stabilized skyrmionic vortex in FeGe tetrahedral nanoparticles.. <i>Nature Materials</i> , <b>2022</b> ,	27	2
171	Experimental signature of the parity anomaly in a semi-magnetic topological insulator. <i>Nature Physics</i> ,	16.2	2
170	Evolution of possible Weyl semimetal states across the Mott transition in pyrochlore iridates induced by hole doping. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
169	Emergence of spin-orbit coupled ferromagnetic surface state derived from Zak phase in a nonmagnetic insulator FeSi. <i>Science Advances</i> , <b>2021</b> , 7, eabj0498	14.3	2
168	Material Design of High-Tc Oxides. <i>Springer Series in Solid-state Sciences</i> , <b>1992</b> , 191-205	0.4	2
167	Combing the helical phase of chiral magnets with electric currents. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
166	Frustration-driven magnetic fluctuations as the origin of the low-temperature skyrmion phase in Co7Zn7Mn6. <i>Npj Quantum Materials</i> , <b>2021</b> , 6,	5	2
165	Development of Pulse Magnetization System on Aberration Corrected 1.2-MV Cold Field-Emission Transmission Electron Microscope. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 1702-1703	0.5	2
164	Relation between the structural phase transition and superconductivity in CuxIrTe2/Sey. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	2
163	Geometrical Hall effect and momentum-space Berry curvature from spin-reversed band pairs. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
162	Charge Dynamics and Metal/Insulator Transition in Perovskite SrIr1-xSnxO3. <i>Journal of the Physical Society of Japan</i> , <b>2018</b> , 87, 123706	1.5	2
161	Coupling microwave photons to topological spin textures in Cu2OSeO3. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	2
160	Dirac polaron dynamics in the correlated semimetal of perovskite CaIrO3. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
159	Enhanced gyrotropic birefringence and natural optical activity on electromagnon resonance in a helimagnet. <i>Nature Communications</i> , <b>2021</b> , 12, 6674	17.4	2
158	Real-Space Observation of a Transformation from Antiskyrmion to Skyrmion by Lorentz TEM. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 1840-1841	0.5	1

- 157 Neutron Diffraction Study of Parasitic Nd-Moment Order in the Checkerboard-Type Phase Nd<sub>1.3</sub>Sr<sub>0.7</sub>NiO<sub>4</sub>. *Journal of the Physical Society of Japan*, **2015**, 84, 064711 1.5 1
- 156 Impact of electron doping on thermoelectric properties in filled skutterudite IrSb<sub>3</sub>. *Physical Review B*, **2016**, 93, 3.3 1
- 155 Contrasting Magnetic Behaviors in Rhodium- and Ruthenium-Doped Cubic Perovskite SrFeO : Nearly Ferromagnetic Metal versus Spin-Glass Insulator. *Angewandte Chemie - International Edition*, **2016**, 55, 15292-15296 16.4 1
- 154 Magnetic structure of the magnetoelectric material Ca<sub>2</sub>CoSi<sub>2</sub>O<sub>7</sub>. *Physical Review B*, **2017**, 95, 3.3 1
- 153 A compact surface decontamination system for surface-sensitive magnetic imaging. *Review of Scientific Instruments*, **2009**, 80, 086101 1.7 1
- 152 Soft- and Hard-X-ray Photoemission Spectroscopy of La<sub>2-2x</sub>Sr<sub>1+2x</sub>Mn<sub>2</sub>O<sub>7</sub>. *Journal of the Physical Society of Japan*, **2012**, 81, SB069 1.5 1
- 151 Substitution Effect on the Magnetic State of Delafossite CuCrO<sub>2</sub> Having a Spin-3/2 Antiferromagnetic Triangular Sublattice. *Journal of Physics: Conference Series*, **2012**, 400, 032072 0.3 1
- 150 Ultrafast polarization and magnetization dynamics in a multiferroic GaFeO<sub>3</sub>. *Journal of Physics: Conference Series*, **2009**, 148, 012015 0.3 1
- 149 Magneto-Transport Properties in Layered Manganite Crystals. *Materials Research Society Symposia Proceedings*, **1997**, 494, 347 1
- 148 Epitaxial Growth Mechanism and Physical Properties of Ultra thin Films of La<sub>0.6</sub>Sr<sub>0.4</sub>MnO<sub>3</sub>. *Materials Research Society Symposia Proceedings*, **1997**, 494, 9 1
- 147 Spin waves and other magnetic fluctuations in giant magnetoresistive perovskite manganites. *Physica B: Condensed Matter*, **1997**, 234-236, 698-702 2.8 1
- 146 Angle-resolved photoemission study of Sr<sub>2</sub>RuO<sub>4</sub>; An extended van-Hove singularity in non-cuprate superconductor. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 218-221 1.3 1
- 145 <sup>47/49</sup>Ti and <sup>139</sup>La NMR studies on Mott transition in La<sub>1-x</sub>Sr<sub>x</sub>TiO<sub>3</sub>. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 1103-1104 1.3 1
- 144 NQR study of neutral<sup>1</sup>bnic phase transition and quantum paraelectric state in organic charge-transfer complexes. *Solid State Sciences*, **2008**, 10, 1752-1756 3.4 1
- 143 Domain mapping of a Ca-doped manganite. *Applied Physics Letters*, **2008**, 92, 131907 3.4 1
- 142 X-ray Diffraction Study on Charge and Orbital Order in Pr<sub>0.65</sub>Ca<sub>0.35</sub>MnO<sub>3</sub> under High Pressure. *Journal of the Physical Society of Japan*, **2007**, 76, 124603 1.5 1
- 141 Anomalous Hall effect and Nernst effect in itinerant ferromagnets. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 1053-1055 2.8 1
- 140 Dimensionality of the electronic states in studied by soft X-ray photoemission. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 816-818 2.8 1

139	Orbital ordering of layered manganites from resonant soft X-ray scattering. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 819-821	2.8	1
138	Order-disorder phenomena in the charge-orbital sectors of half-doped manganites with the two-dimensional MnO network. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1963-1965	2.8	1
137	A magnetic Compton scattering study of double perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S5717-S5720	1.8	1
136	Resonant X-ray scattering as a probe of the valence and magnetic ground state and excitations in Pr <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2004</b> , 345, 6-10	2.8	1
135	Low-energy excitation in La <sub>1-x</sub> CaxMnO <sub>3</sub> single crystals with 0.05 ≤ x ≤ 0.20. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s625-s627	2.6	1
134	Stripe order in highly doped La <sub>2-x</sub> SrxNiO <sub>4</sub> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s1765-s1769	2.6	1
133	<sup>63</sup> Cu NMR study on Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> +δ. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 388-389, 253-254	1.3	1
132	Electric field effect on charge and lattice dynamics in TTF-QCl <sub>4</sub> and TTF-QBrCl <sub>3</sub> . <i>Synthetic Metals</i> , <b>2003</b> , 133-134, 633-635	3.6	1
131	Optical spectroscopy of the neutral-ionic phase transition in a charge-transfer complex: TTF and tetrahalo-p-benzoquinones. <i>Synthetic Metals</i> , <b>2003</b> , 133-134, 637-639	3.6	1
130	Effect of pressure on the electrical resistivity of double perovskite SrFeWMoO. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 359-361, 1327-1329	2.8	1
129	Soft-X-ray Raman scattering of La <sub>1-x</sub> BxTiO <sub>3</sub> . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2005</b> , 144-147, 853-856	1.7	1
128	A photoemission investigation of the superconducting gap in an electron-doped cuprate superconductor. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2001</b> , 114-116, 623-627	1.7	1
127	Nonlinear magneto-optical properties of Pr <sub>1-x</sub> CaxMnO <sub>3</sub> and Nd <sub>1-x</sub> SrxMnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7505	2.5	1
126	Ultrafast Primary Process of Photo-induced N-I Transition and Macroscopic Oscillation of Domain Boundary in TTF-CA. <i>Phase Transitions</i> , <b>2002</b> , 75, 807-813	1.3	1
125	Photo-destruction of charge/orbital order in layered perovskite manganite: La <sub>0.5</sub> Sr <sub>1.5</sub> MnO <sub>4</sub> . <i>Journal of Luminescence</i> , <b>2000</b> , 87-89, 639-641	3.8	1
124	FIRST-ORDER INSULATOR-METAL TRANSITIONS IN PEROVSKITE MANGANITES WITH CHARGE-ORDERING INSTABILITY <b>1998</b> , 217-239		1
123	μSR studies on (Nd <sub>1-x</sub> Smy) <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>1999</b> , 259-261, 822-823	2.8	1
122	Ultrafast dynamics of reversibly photoinduced neutral-ionic transition in quasi-one-dimensional organic crystal tetrathiafulvalene-chloranil. <i>Synthetic Metals</i> , <b>1999</b> , 103, 1961-1962	3.6	1

121	Finite-size effects in the exciton-phonon coupled system. <i>Physical Review B</i> , <b>1996</b> , 53, 12574-12576	3.3	1
120	Conformation Dependence of Electronic Structures in Polysilanes. <i>Molecular Crystals and Liquid Crystals</i> , <b>1992</b> , 217, 65-70		1
119	Change of electronic structures with hole doping in strongly correlated electron systems: titanium oxides. <i>Physica B: Condensed Matter</i> , <b>1993</b> , 186-188, 992-994	2.8	1
118	Electron-Doped Superconductivity in CuO <sub>2</sub> Layered Compounds with Nd <sub>2</sub> CuO <sub>4</sub> Structure. <i>Materials Research Society Symposia Proceedings</i> , <b>1989</b> , 156, 389		1
117	Rare earth (RE) dependence and Ce-concentration dependence of T <sub>c</sub> in Bi-2222 Phase Bi <sub>2</sub> Sr <sub>2</sub> (RE <sub>1-x</sub> Cex) <sub>2</sub> Cu <sub>2</sub> O <sub>10+y</sub> . <i>Physica B: Condensed Matter</i> , <b>1990</b> , 165-166, 1551-1552	2.8	1
116	Photo- and Thermo-Chromic Behaviors of Polydiacetylenes with Alkylurethane Substituents. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , <b>1990</b> , 183, 371-374		1
115	Dynamics of thermally- and photo-induced phase changes in single crystals of polydiacetylene. <i>Synthetic Metals</i> , <b>1991</b> , 41, 225-228	3.6	1
114	Magnetic Field Dependence of Elastic Constants in Pr <sub>1-x</sub> CaxMnO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 139-141	1.5	1
113	Ferroelectric atomic displacement in multiferroic tetragonal perovskite Sr <sub>1/2</sub> Ba <sub>1/2</sub> MnO <sub>3</sub> . <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	1
112	Optical Properties of Branched Silicon Polymers. <i>Japanese Journal of Applied Physics</i> , <b>1995</b> , 34, 104	1.4	1
111	Gyrotropic birefringence via electromagnon resonance in a multiferroic of spin origin. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	1
110	Strong Dependence of T <sub>c</sub> on Hole Concentration in CuO <sub>2</sub> Sheets. <i>Springer Series in Materials Science</i> , <b>1989</b> , 294-303	0.9	1
109	Syntheses and Properties of Single CuO <sub>2</sub> -Sheet Compounds: Charge-Transfer Gap and Charge-Doping Effect <b>1990</b> , 51-55		1
108	Domain-Wall Dynamics of Photo-Induced Phase Transition in Polydiacetylene Single Crystals. <i>Springer Series in Solid-state Sciences</i> , <b>1997</b> , 105-112	0.4	1
107	Spectral weight reduction of two-dimensional electron gases at oxide surfaces across the ferroelectric transition. <i>Scientific Reports</i> , <b>2020</b> , 10, 16834	4.9	1
106	Metastable solitonic states in the strained itinerant helimagnet FeGe. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	1
105	Terahertz emission spectroscopy of ultrafast exciton shift current in the noncentrosymmetric semiconductor CdS. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	1
104	Limits of validity of the Rashba model in BiTeI: High-field magneto-optical study. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	1



103	Current-induced magnetization switching at charge-transferred interface between topological insulator (Bi,Sb) <sub>2</sub> Te <sub>3</sub> and van der Waals ferromagnet Fe <sub>3</sub> GeTe <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2021</b> , 119, 032402	3.4	1
102	Switching of antiferromagnetic states in LiCoPO <sub>4</sub> as investigated via the magnetoelectric effect. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	1
101	Real-Space Observation of Emergent Complexity of Phase Evolution in Micrometer-Sized IrTe <sub>2</sub> Crystals. <i>Physical Review Letters</i> , <b>2021</b> , 127, 145701	7.4	1
100	Metal-Insulator Transitions of Correlated Electrons in Oxide Heterostructures	62-63	1
99	Molecular beam epitaxy of two-dimensional semiconductor BiI <sub>3</sub> films exhibiting sharp exciton absorption. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 243101	3.4	1
98	Molecular electronic states in charge transfer complex studied by x-ray absorption spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 502, 012036	0.3	0
97	Photo-induced phase transition in thin films of poly(3-eicosyl)thiophene. <i>Synthetic Metals</i> , <b>1999</b> , 101, 212-213	3.6	0
96	Doping Control of Magnetic Anisotropy for Stable Antiskyrmion Formation in Schreibersite (Fe,Ni)P with S symmetry.. <i>Advanced Materials</i> , <b>2022</b> , e2108770	24	0
95	Hydrogen-bonded organic molecular ferroelectrics/antiferroelectrics	2022, 47-84	0
94	Enhancement of anomalous Hall effect in epitaxial thin films of intrinsic magnetic topological insulator MnBi <sub>2</sub> Te <sub>4</sub> with Fermi-level tuning. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 031901	3.4	0
93	In Situ Electric-Field Control of THz Nonreciprocal Directional Dichroism in the Multiferroic Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>2021</b> , 127, 157201	7.4	0
92	Writing of strain-controlled multiferroic ribbons into MnWO <sub>4</sub> . <i>Nature Communications</i> , <b>2021</b> , 12, 6199	17.4	0
91	Magneto-optical spectroscopy on Weyl nodes for anomalous and topological Hall effects in chiral MnGe. <i>Nature Communications</i> , <b>2021</b> , 12, 5974	17.4	0
90	Magnetic order and sign of the Dzyaloshinskii-Moriya interaction in 2D antiferromagnet Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> under applied magnetic field. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	0
89	Photovoltaic effect by soft phonon excitation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2122313119	11.5	0
88	Quantitative Measurement of Topological Spin Textures via Differential Phase Contrast. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 614-616	0.5	
87	Contrasting Magnetic Behaviors in Rhodium- and Ruthenium-Doped Cubic Perovskite SrFeO <sub>3</sub> : Nearly Ferromagnetic Metal versus Spin-Glass Insulator. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 15518-15522	3.6	
86	Dopant-dependence on charge-orbital order in impurity doped layered manganites. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 63, 729-732	0.6	

85 Nanosession: Multiferroic Thin Films and Heterostructures **2013**, 323-334

84 Enhanced second-harmonic generation in  $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3/\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$  superlattices. *Applied Physics Letters*, **2013**, 103, 251905 3.4

83 Nanosession: Valence Change Memories - Redox Mechanism and Modelling **2013**, 219-231

82 Poster: Spin-Related Phenomena **2013**, 589-632

81 Nanosession: High-Resolution Transmission Electron Microscopy **2013**, 133-141

80 Spin Density Distribution of  $\text{YTiO}_3$  Observed by X-Ray Magnetic Diffraction. *Key Engineering Materials*, **2010**, 459, 7-10 0.4

79 Impurity effect on orbital ordering and magnetic property in  $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$ . *Journal of Physics: Conference Series*, **2012**, 400, 042071 0.3

78 Coherent Orbital Waves in Manganites. *Springer Series in Chemical Physics*, **2009**, 170-172 0.3

77 Probing strongly correlated electron dynamics on extreme timescales. *Journal of Physics: Conference Series*, **2009**, 148, 012018 0.3

76 Study of electronic states of a pyrochlore-type molybdate ( $\text{Sm}_2\text{Mo}_2\text{O}_7$ ) at low temperature by means of hard x-ray photoemission spectroscopy. *Journal of Physics: Conference Series*, **2009**, 150, 042055 0.3

75 Magnetic and Transport Properties of Organic Radical Ion Salts Containing Metal Ions. *Molecular Crystals and Liquid Crystals*, **1997**, 306, 455-461

74 Low Energy K-Dependent Electronic Structure of the Layered Magnetoresistive Oxide  $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ . *Materials Research Society Symposia Proceedings*, **1997**, 494, 213

73 Angle-resolved photoemission spectroscopy of non-cuprate two-dimensional perovskite superconductor  $\text{Sr}_2\text{RuO}_4$ . *Physica B: Condensed Matter*, **1997**, 237-238, 377-379 2.8

72 Photoemission Study of Perovskite-Type Manganites with Stripe Ordering. *Journal of Superconductivity and Novel Magnetism*, **2007**, 20, 543-546 1.5

71 Optical detection of the rotation of orbital stripes in a charge-orbital ordered bilayer manganite at half-doping. *Physica B: Condensed Matter*, **2008**, 403, 1579-1581 2.8

70 HIGH PRESSURE STUDY OF NOVEL ELECTRONIC PROPERTIES IN  $\text{Sr}_2\text{Fe}(\text{W}_{1-x}\text{Mo}_x)\text{O}_6$  NEAR METAL-INSULATOR TRANSITION. *International Journal of Modern Physics B*, **2007**, 21, 3279-3284 1.1

69 High Pressure  $^{63}\text{Cu}$  Nuclear Quadrupole Resonance Measurements in  $\text{Cu}_2\text{O}$  up to 10 GPa Using Modified Bridgman Anvil Cell. *Journal of the Physical Society of Japan*, **2007**, 76, 114-115 1.5

68 Insulator-to-Metal Transition Induced by Mid-IR Vibrational Excitation in a Magnetoresistive Manganite. *Springer Series in Chemical Physics*, **2007**, 588-590 0.3

- 67 Magnetoresistance and Curie temperature of double perovskite  $\text{Sr}_2\text{FeW}_{0.75}\text{Mo}_{0.25}\text{O}_6$  under high pressure. *Physica B: Condensed Matter*, **2006**, 378-380, 546-547 2.8
- 66 Interplay between orbital ordering and magnetism in the Mott insulator Ti oxides. *Physica B: Condensed Matter*, **2006**, 378-380, 527-528 2.8
- 65 Large energy pseudogap in  $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ . *Physica C: Superconductivity and Its Applications*, **2004**, 408-410, 402-404 1.3
- 64 Photoinduced melting of the orbital order in a perovskite-type vanadate  $\text{LaVO}_3$ . *Journal of Luminescence*, **2004**, 108, 185-188 3.8
- 63 Dark-field and bright-field imaging of charge order domains in  $\text{Nd}_{0.5}\text{Ca}_{0.5}(\text{Mn}_{0.98}\text{Cr}_{0.02})\text{O}_3$ . *Journal of Electron Microscopy*, **2002**, 51, S155-S158
- 62 Ultrafast insulator-to-metal switching by photoinduced Mott transition. *Springer Series in Chemical Physics*, **2005**, 340-342 0.3
- 61 Temperature-dependent magnetic circular dichroism in Mn 2p X-ray absorption spectra of  $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$ . *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 761-763 1.7
- 60 Photoemission measurements of transition-metal oxides under laser illumination. *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 909-912 1.7
- 59 c-axis charge dynamics in oxygen deficient  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$  films. *Physica C: Superconductivity and Its Applications*, **2001**, 362, 305-309 1.3
- 58 Magnetic phase transitions of  $\text{Pr}_{0.65}\text{Ca}_{0.21}\text{Sr}_{0.14}\text{MnO}_3$  and  $\text{Pr}_{0.65}\text{Ba}_{0.35}\text{MnO}_3$  single crystals. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 592-593 2.8
- 57 Metal-Insulator Phenomena Relevant to Charge/Orbital Ordering in Perovskite Manganites **2002**, 155-175
- 56 Inplane and Interplane Charge Dynamics in Layered Manganite Crystals **2000**, 68-73
- 55 Ultrafast Dynamics of Reversibly Photoinduced Neutral-Ionic Transition in Tetrathiafulvalene-Chloranil Single Crystals. *Molecular Crystals and Liquid Crystals*, **1998**, 314, 101-106
- 54 Optical Investigation of a Nonsuperconducting  $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4+y}$  Crystal with Possible Charge Ordering Instability. *Journal of Low Temperature Physics*, **1999**, 117, 1065-1069 1.3
- 53 Phase control of neutral-ionic states by chemical doping. *Synthetic Metals*, **1999**, 103, 1810-1811 3.6
- 52 Spin/Orbital Modulation in Perovskite Manganite Superlattices. *Materials Research Society Symposia Proceedings*, **1999**, 602, 289
- 51 Interplay of charge, orbital and magnetic order in  $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . *Materials Research Society Symposia Proceedings*, **1999**, 590, 103
- 50 La 4d and Mn core absorption magnetic circular dichroism, XPS and inverse photoemission spectroscopy of  $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$  **1996**, 283-286

- 49 Photoemission and x-ray absorption spectroscopy of PrNiO<sub>3</sub>. *Journal of Electron Spectroscopy and Related Phenomena*, **1996**, 78, 191-194 1.7
- 48 Electronic Raman scattering spectra in strongly correlated metals: cuprate superconductors and titanium oxides. *Physica C: Superconductivity and Its Applications*, **1994**, 235-240, 1147-1148 1.3
- 47 Filling Dependence of Magnetoresistance in Perovskite-type Manganese Oxide Films. *Materials Research Society Symposia Proceedings*, **1995**, 401, 537
- 46 Raman and IR Studies on Proton-Related Dynamics in  $\beta$ -Molecular Crystals. *Molecular Crystals and Liquid Crystals*, **1992**, 216, 223-228
- 45 Reversibly Photo-Induced Phase Transition in Single Crystals of Polydiacitlenes. *Molecular Crystals and Liquid Crystals*, **1992**, 218, 43-48
- 44 Photoinduced bidirectional phase transitions in single crystals of polydiacetylenes. *Synthetic Metals*, **1992**, 50, 675-681 3.6
- 43 Electrical Switching Effect in Organic Charge Transfer Compounds. *Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics*, **1990**, 183, 177-180
- 42 Electro-absorption study of color change of polydiacetylene 4BCMU solutions. *Synthetic Metals*, **1991**, 41, 221-224 3.6
- 41 Raman spectra of the librational phonon modes in isotopically mixed anthracene-PMDA crystals. *Solid State Communications*, **1981**, 40, 295-297 1.6
- 40 Ferroelectric charge-transfer complexes **2022**, 7-46
- 39 Weyl fermions promote collective magnetism. *Nature Materials*, **2021**, 20, 1592-1593 27
- 38 Optical Spectra in Nd<sub>1.85</sub>Ce<sub>0.15</sub>CuO<sub>4+y</sub> crystal: Implication of charge ordering **2000**, 158-160
- 37 Critical behavior of metal-insulator transition in manganites **2001**, 437-450
- 36 Orbital Wave Excitation in LaMnO<sub>3</sub>.. *Journal of the Magnetism Society of Japan*, **2002**, 26, 363-367
- 35 Coherent valence fluctuation in photo-induced neutral-ionic transition of an one-dimensional charge transfer complex. *Springer Series in Chemical Physics*, **2003**, 546-548 0.3
- 34 Structural, Magnetic and Electrical Properties of A-Site-Ordered Perovskites. *Nihon Kessho Gakkaishi*, **2004**, 46, 98-102 0
- 33 Ultrafast Spin Dynamics in the Perovskite Manganite Gd<sub>0.55</sub>Sr<sub>0.45</sub>MnO<sub>3</sub>. *Journal of the Magnetism Society of Japan*, **2008**, 32, 275-279 0.7
- 32 Dynamics of Charged Domain Walls in Semiconducting Charge Transfer Compounds. *Springer Proceedings in Physics*, **1990**, 319-323 0.2

31	New Classification Method for Layered Copper Oxide Compounds and Its Application to Design of New High Tc Superconductors. <i>Journal of Advanced Science</i> , <b>1991</b> , 3, f14-f19	0
30	Design of New Cuprate Superconductors and Prediction of their Structures <b>1991</b> , 104-125	
29	Material Design of CuO <sub>2</sub> -Layered Superconductors. <i>Springer Proceedings in Physics</i> , <b>1992</b> , 3-16	0.2
28	Cu-O Bond Length Dependence of Optical Properties in T <sub>2</sub> Phase Single Crystals. <i>Springer Proceedings in Physics</i> , <b>1992</b> , 181-183	0.2
27	High-Pressure Spectroscopy of Cu-O Vibrational Modes in High-Tc Superconductors and Related Layered Compounds. <i>Springer Proceedings in Physics</i> , <b>1992</b> , 241-243	0.2
26	Change of Electronic Structures with Varying Lattice Distortion and Metal Valence in Titanium and Vanadium Oxides. <i>Springer Series in Solid-state Sciences</i> , <b>1993</b> , 249-255	0.4
25	Nearly Homoepitaxial Growth of 214-type Superconducting Thin Films on 214 undoped [110] Crystals <b>1994</b> , 587-590	
24	Optical Spectroscopy on the Mott Transition in Perovskite-Type Titanates. <i>Springer Series in Solid-state Sciences</i> , <b>1995</b> , 163-173	0.4
23	Spectral Weight Transfer and Mass Renormalization in Correlated d-Electron Systems. <i>Springer Series in Solid-state Sciences</i> , <b>1995</b> , 174-184	0.4
22	Systematics of Optical Gaps in Perovskite-Type 3d Transition Metal Oxides. <i>Springer Series in Solid-state Sciences</i> , <b>1995</b> , 150-159	0.4
21	Optical Properties <b>1998</b> , 191-224	
20	Pressure Dependence of Electrical Properties near Quantum Critical Point in LaTiO <sub>3</sub> +.DELTA./2.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , <b>1998</b> , 7, 502-504	0
19	Fermi-Liquid Versus Pseudogap Behaviors in Filling-Control Transition-Metal Oxides. <i>Springer Series in Solid-state Sciences</i> , <b>1999</b> , 111-119	0.4
18	Anisotropic Charge Dynamics in Layered Manganite Crystals. <i>Springer Series in Solid-state Sciences</i> , <b>1999</b> , 55-68	0.4
17	Weyl Fermions in Metallic Ferromagnet SrRuO <sub>3</sub> . <i>Hamon</i> , <b>2017</b> , 27, 67-70	0
16	Time-resolved X-ray Absorption Spectroscopy of Photoinduced Insulator-Metal Transition in a Colossal Magnetoresistive Manganite. <i>Springer Series in Chemical Physics</i> , <b>2009</b> , 191-193	0.3
15	Spin Superstructures in Thin Films of Correlated Electron Systems. <i>Hyomen Kagaku</i> , <b>2011</b> , 32, 128-133	
14	Application of Upgraded X-ray Magnetic Diffraction Experimental System to 3d- and 4f-Electron Ferromagnets. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2011</b> , 9, 134-137	0.7

- 13 Observation of Skyrmion Lattice by Lorentz Transmission Electron Microscopy. *Nihon Kessho Gakkaishi*, **2011**, 53, 274-279 0
- 12 Nanosession: Spin Tunneling Systems 311-322
- 11 Electrolyte Gate Induced Metallization of Several Facets (101, 001, 110 and 100) of Rutile TiO<sub>2</sub> and (001) SrTiO<sub>3</sub> 42-43
- 10 Nanosession: Interplay Between Strain and Electronic Structure in Metal Oxides 377-387
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- 8 Nanosession: 2D Electron Systems - Atomic Configurations 69-80
- 7 Nanosession: 2D Electron Systems - Electronic Structure and Field Effects 89-97
- 6 Theoretical Design of Topological Phenomena 64-64
- 5 Spin Textures and Gauge Fields in Frustrated Magnets **2014**, 102-109
- 4 DOMAIN WALL DYNAMICS IN MIXED-STACK CHARGE-TRANSFER CRYSTAL **1986**, 527-529
- 3 Current-driven Dynamics of Magnetic Skyrmion Bunches. *Microscopy and Microanalysis*, **2021**, 27, 382-383.5
- 2 Split-illumination Electron Holography Applied to Electrostatic Potential Analyses of Oxide Heterojunctions with Polar Discontinuity **2016**, 948-949
- 1 Antiferromagnetic fluctuations and charge carrier localization in ferromagnetic bilayer manganites: electrical resistivity scales exponentially with short-range order controlled by temperature and magnetic field. *Journal of Physics Condensed Matter*, **2020**, 32, 374013 1.8