

# Jâ€f Mitchell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6422993/publications.pdf>

Version: 2024-02-01

175  
papers

6,386  
citations

53794

45  
h-index

74163

75  
g-index

179  
all docs

179  
docs citations

179  
times ranked

6688  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct evidence for dominant bond-directional interactions in a honeycomb lattice iridate Na <sub>2</sub> IrO <sub>3</sub> . Nature Physics, 2015, 11, 462-466.	16.7	321
2	Fermi arcs in a doped pseudospin-1/2 Heisenberg antiferromagnet. Science, 2014, 345, 187-190.	12.6	261
3	Charge delocalization and structural response in layered La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> : Enhanced distortion in the metallic regime. Physical Review B, 1997, 55, 63-66.	3.2	253
4	Ultrasharp Magnetization Steps in Perovskite Manganites. Physical Review Letters, 2002, 89, 286602.	7.8	214
5	Orbital Correlations in the Pseudocubic and Rhombohedral Phases of LaMnO <sub>3</sub> . Physical Review Letters, 2005, 94, 177203.	7.8	159
6	Dynamically Stable Active Sites from Surface Evolution of Perovskite Materials during the Oxygen Evolution Reaction. Journal of the American Chemical Society, 2021, 143, 2741-2750.	13.7	156
7	Mesoscopic and microscopic phase segregation in manganese perovskites. Physical Review B, 2001, 63, .	3.2	143
8	Structural and magnetic properties of the Kagomé antiferromagnet YbBaCo <sub>4</sub> O <sub>7</sub> . Journal of Solid State Chemistry, 2006, 179, 1136-1145.	2.9	138
9	Large orbital polarization in a metallic square-planar nickelate. Nature Physics, 2017, 13, 864-869.	16.7	135
10	Sign Reversal of the Mn-O Bond Compressibility in La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> below T <sub>C</sub> : Exchange Striction in the Ferromagnetic State. Physical Review Letters, 1997, 78, 1568-1571.	7.8	134
11	Coexistence of Weak Ferromagnetism and Ferroelectricity in the High Pressure $\text{LiNbO}_3$ -Type Phase of $\text{FeTiO}_3$ . Physical Review Letters, 2009, 103, 047601.	7.8	132
12	Driving magnetic order in a manganite by ultrafast lattice excitation. Physical Review B, 2011, 84, .	3.2	130
13	Competing magnetic interactions in the extended Kagomé system YBaCo <sub>4</sub> O <sub>7</sub> . Physical Review B, 2006, 74, .	3.2	128
14	In situ studies of a platform for metastable inorganic crystal growth and materials discovery. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10922-10927.	7.1	118
15	Dimensionality Driven Spin-Flop Transition in Layered Iridates. Physical Review Letters, 2012, 109, 037204.	7.8	117
16	Non-Griffiths-like clustered phase above the Curie temperature of the doped perovskite cobaltite $\text{La}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{Ni}_y\text{O}_3$ .	3.2	110
17	Competing magnetic phases and fluctuation-driven scalar spin chirality in the kagome metal YMn <sub>3</sub> Sn <sub>6</sub> . Science Advances, 2020, 6, .	10.3	103
18	Continuous metal-insulator transition of the antiferromagnetic perovskite $\text{NaOsO}_3$ . Physical Review B, 2009, 80, .	3.2	102

#	ARTICLE	IF	CITATIONS
19	Large anomalous Hall effect in the chiral-lattice antiferromagnet CoNb <sub>3</sub> S <sub>6</sub> . Nature Communications, 2018, 9, 3280.	12.8	102
20	Magnetic Correlations in the Extended Kagome $\text{YBaCo}_4$ Probed by Single-Crystal Neutron Scattering. Physical Review Letters, 2009, 103, 037202.	11.8	95
21	Unprecedented non-hysteretic superelasticity of [001]-oriented NiCoFeGa single crystals. Nature Materials, 2020, 19, 712-718.	27.5	95
22	Spin, Charge, and Lattice States in Layered Magnetoresistive Oxides. Journal of Physical Chemistry B, 2001, 105, 10731-10745.	2.6	92
23	Formation of Co <sup>3+</sup> octahedra and tetrahedra in YBaCo <sub>4</sub> O <sub>8.1</sub> . Journal of Solid State Chemistry, 2008, 181, 664-672.	2.9	91
24	Synthesis and characterization of bulk $\text{Nd}_{1-x}\text{O}_2$ and $\text{Nd}_{1-x}\text{O}$ . Physical Review B, 2013, 88, .	2.4	87
25	$\text{CaBaCo}_7$ single crystals. Physical Review B, 2013, 88, .	3.2	83
26	Magnetodielectric consequences of phase separation in the colossal magnetoresistance manganite Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . Physical Review B, 2005, 72, .	3.2	81
27	Full bulk spin polarization and intrinsic tunnel barriers at the surface of layered manganites. Nature Materials, 2004, 4, 62-67.	27.5	79
28	Distinct Electronic Structure for the Extreme Magnetoresistance in YSb. Physical Review Letters, 2016, 117, 267201.	7.8	77
29	Magnetic and electronic properties of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ single crystals across the percolation metal-insulator transition. Physical Review B, 2006, 74, .	3.2	74
30	Stacked charge stripes in the quasi-2D trilayer nickelate $\text{La}_{4-x}\text{Ni}_3\text{O}_{8-x}$ . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8945-8950.	7.1	73
31	Polaron coherence condensation as the mechanism for colossal magnetoresistance in layered manganites. Physical Review B, 2007, 76, .	3.2	63
32	High-Pressure Floating-Zone Growth of Perovskite Nickelate $\text{LaNiO}_3$ Single Crystals. Crystal Growth and Design, 2017, 17, 2730-2735.	3.0	59
33	Electrochemical and X-ray scattering study of well defined RuO <sub>2</sub> single crystal surfaces. Journal of Electroanalytical Chemistry, 2002, 524-525, 201-218.	3.8	56
34	Cascade of Magnetic Field Induced Spin Transitions in $\text{LaCoO}_3$ . Physical Review Letters, 2012, 109, 037201.	7.8	56
35	Role of intergrowths in the properties of naturally layered manganite single crystals (invited). Journal of Applied Physics, 1998, 83, 6385-6389.	2.5	53
36	Diamagnetic to paramagnetic transition in $\text{LaCoO}_3$ . Physical Review B, 2009, 79, .	3.2	53

#	ARTICLE	IF	CITATIONS
37	Understanding Fluxes as Media for Directed Synthesis: <i>In Situ</i> Local Structure of Molten Potassium Polysulfides. <i>Journal of the American Chemical Society</i> , 2012, 134, 9456-9463.	13.7	53
38	Anomalous Antiferromagnetism in Metallic $\text{RuO}_2$ Determined by Resonant X-ray Scattering. <i>Physical Review Letters</i> , 2019, 122, 017202.	7.8	53
39	Heat capacity study of magnetoelectronic phase separation in $\text{LaCrO}_3$ crystals. <i>Physical Review B</i> , 2009, 80, .	3.2	51
40	Strong Superexchange in a $\text{NiO}$ Nickelate Revealed by Resonant Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2021, 126, 087001.	7.8	51
41	Local distortion of $\text{MnO}_6$ clusters in the metallic phase of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physical Review B</i> , 2003, 68, .	3.2	48
42	Low temperature Schottky anomalies in the specific heat of $\text{LaCoO}_3$ : Defect-stabilized finite spin states. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	48
43	Evolution of Magnetic Oxygen States in Sr-Doped $\text{LaCoO}_3$ . <i>Physical Review Letters</i> , 2012, 109, 157204.	7.8	48
44	Spin Stripe Order in a Square Planar Trilayer Nickelate. <i>Physical Review Letters</i> , 2019, 122, 247201.	7.8	48
45	Structure of nanoscale polaron correlations in $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ . <i>Physical Review B</i> , 2001, 65, .	3.2	46
46	A local metallic state in globally insulating $\text{La}_{1.24}\text{Sr}_{1.76}\text{Mn}_2\text{O}_7$ well above the metal-insulator transition. <i>Nature Physics</i> , 2007, 3, 248-252.	16.7	45
47	Coupled structural/magnetocrystalline anisotropy transitions in the doped perovskite cobaltite $\text{Pr}_{1-x}\text{Ca}_x\text{CoO}_3$ . <i>Physical Review B</i> , 2009, 79, .	3.2	45
48	Study of the local distortions of the perovskite system $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physical Review B</i> , 2009, 80, .	3.2	45
49	Local orbital degeneracy lifting as a precursor to an orbital-selective Peierls transition. <i>Nature Communications</i> , 2019, 10, 3638.	12.8	42
50	Glassy transport phenomena in a phase-separated perovskite cobaltite. <i>Physical Review B</i> , 2006, 73, .	3.2	41
51	Structural behavior of the kagome antiferromagnet $\text{TmBaCo}_4\text{O}_{10}$ . Neutron diffraction study and group-theoretical consideration. <i>Physical Review B</i> , 2009, 80, .	3.2	39
52	Structural and magnetic ordering in $\text{Pr}_{0.65}(\text{Ca}_y\text{Sr}_{1-y})_{0.35}\text{MnO}_3$ : Quantum critical point versus phase segregation scenarios. <i>Physical Review B</i> , 2002, 66, .	3.2	37
53	Spin-ordering and magnetoelastic coupling in the extended kagome system $\text{YBaCo}_7\text{O}_{22}$ . <i>Physical Review B</i> , 2011, 83, .	3.2	36
54	Isotropic and anisotropic regimes of the field-dependent spin dynamics in $\text{Sr}_2\text{RuO}_4$ . Raman scattering studies. <i>Physical Review B</i> , 2016, 93, .	2.2	36

#	ARTICLE	IF	CITATIONS
55	Magnetotransport of single crystalline YSb. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 235601.	1.8	36
56	Giant anomalous Hall effect in quasi-two-dimensional layered antiferromagnet $\text{Co}_2\text{Mn}_2\text{O}_7$ . <i>Physical Review Research</i> , 2020, 2, .	3.6	36
57	Brownmillerite $\text{Ca}_2\text{Co}_2\text{O}_5$ : Synthesis, Stability, and Re-entrant Single Crystal to Single Crystal Structural Transitions. <i>Chemistry of Materials</i> , 2014, 26, 7172-7182.	6.7	33
58	Perspective: Toward $\alpha$ -synthesis by design: Exploring atomic correlations during inorganic materials synthesis. <i>APL Materials</i> , 2016, 4, 053212.	5.1	33
59	Field-induced avalanche to the ferromagnetic state in the phase-separated ground state of manganites. <i>Physical Review B</i> , 2004, 70, .	3.2	32
60	Epitaxial stabilization and structural properties of $\text{REMnO}_3$ (RE=Dy,Gd,Sm) compounds in a layered, hexagonal $\text{ABO}_3$ structure. <i>Applied Physics Letters</i> , 2007, 91, 232901.	3.3	31
61	Spontaneous formation of an exchange-spring composite via magnetic phase separation in $\text{Pr}_2\text{Mn}_2\text{O}_7$ . <i>Physical Review B</i> , 2010, 82, .	3.2	30
62	Antiferromagnetic defect structure in $\text{LaNi}_3\text{O}_7$ single crystals. <i>Physical Review Materials</i> , 2018, 2, .	2.4	30
63	Layered manganites: Magnetic structure at extreme doping levels. <i>Journal of Applied Physics</i> , 1999, 85, 4352-4354.	2.5	29
64	Spin-independent and spin-dependent conductance anisotropy in layered colossal-magnetoresistive manganite single crystals. <i>Physical Review B</i> , 1999, 59, 9357-9361.	3.2	29
65	Superconducting $\text{NbSe}_2$ nanowires and nanoribbons converted from $\text{NbSe}_3$ nanostructures. <i>Applied Physics Letters</i> , 2005, 87, 142506.	3.3	29
66	Spin correlations in the geometrically frustrated $\text{BaCo}_2\text{O}_7$ . Mean-field approach and Monte Carlo simulations. <i>Physical Review B</i> , 2010, 82, .	3.2	28
67	Crystal and magnetic structure of $\text{NdBaCo}_2\text{O}_{5+\delta}$ : Spin states in a perovskite-derived, mixed-valent cobaltite. <i>Journal of Applied Physics</i> , 2003, 93, 7364-7366.	2.5	27
68	Fermiology and electron dynamics of trilayer nickelate $\text{La}_4\text{Ni}_3\text{O}_{10}$ . <i>Nature Communications</i> , 2017, 8, 704.	12.8	26
69	A New Three-Dimensional Subsulfide $\text{Ir}_2\text{In}_8\text{S}$ with Dirac Semimetal Behavior. <i>Journal of the American Chemical Society</i> , 2019, 141, 19130-19137.	13.7	26
70	Detailed Mapping of the Local $\text{Cu}^{2+}$ through the Metal-Insulator Transitions of $\text{Cu}_2\text{S}$ . <i>Physical Review B</i> , 2019, 100, 040401.	7.8	24
71	Intertwined density waves in a metallic nickelate. <i>Nature Communications</i> , 2020, 11, 6003.	12.8	24
72	Polaronic orbital polarization in a layered colossal magnetoresistive manganite. <i>Physical Review B</i> , 2003, 67, .	3.2	23

#	ARTICLE	IF	CITATIONS
73	<a href="#">High oxygen pressure floating zone growth and crystal structure of the metallic nickelates</a> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>R</mml:mi><mml:mn>4</mml:mn></mml:mrow></mml:math>		

#	ARTICLE	IF	CITATIONS
91	Structural effect on colossal magnetoresistivity in manganites: Bond versus band. Physical Review B, 2001, 64, .	3.2	14
92	Magnetic momentum density, Fermi surface, and directional magnetic Compton profiles in LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> and La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 2007, 75, .	3.2	13
93	Two-orbital degeneracy lifted local precursor to a metal-insulator transition in MgTi <sub>2</sub> O <sub>4</sub> . Physical Review B, 2020, 102, .	3.2	13
94	Local electronic structure of rutile $\text{RuO}_2$ . Physical Review Research, 2021, 3, .	3.2	13
95	Localization of electrons due to orbitally ordered bi-stripes in the bilayer manganite La <sub>2-2x</sub> Sr <sub>1+2x</sub> Mn <sub>2</sub> O <sub>7</sub> (x = 1/4 to 0.59). Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11799-11803.	7.1	12
96	Minority-spin t <sub>2g</sub> states and the degree of spin polarization in ferromagnetic metallic La <sub>2-2x</sub> Sr <sub>1+2x</sub> Mn <sub>2</sub> O <sub>7</sub> (x = 0.38). Scientific Reports, 2013, 3, 3167.	3.3	12
97	Quantifying magnetic exchange in doubly-bridged Cu <sub>2</sub> X <sub>2</sub> Cu (X = F, Cl, Br) chains enabled by solid state synthesis of CuF <sub>2</sub> (pyrazine). Chemical Communications, 2013, 49, 3558.	4.1	12
98	Nonpercolative nature of the metal-insulator transition and persistence of local Jahn-Teller distortions in the rhombohedral regime of La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . Physical Review B, 2016, 93, .	3.2	12
99	Anisotropic angular magnetoresistance and Fermi surface topology of the candidate novel topological metal Pd <sub>3</sub> Mn <sub>2</sub> As. Physical Review Materials, 2018, 2, .	2.4	12
100	A Nickelate Renaissance. Frontiers in Physics, 2021, 9, .	2.1	12
101	Strength and flexibility of bulk high-T <sub>c</sub> superconductors. IEEE Transactions on Applied Superconductivity, 1997, 7, 1307-1310.	1.7	11
102	Transport signatures of percolation and electronic phase homogeneity in La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> single crystals. Applied Physics Letters, 2009, 95, 222511.	3.3	11
103	Kinetic control of structural and magnetic states in LuBaCo <sub>4</sub> O <sub>7</sub> . Physical Review B, 2012, 85, .	3.2	11
104	Pressure-induced volume collapse and structural phase transitions in SrRuO <sub>3</sub> . Journal of Solid State Chemistry, 2013, 205, 177-182.	2.9	11
105	Evidence for an internal-field-induced spin-flop configuration in the extended kagome YBaCo <sub>4</sub> O <sub>7</sub> . Physical Review B, 2013, 87, .	3.2	11
106	Role of Oxygen States in the Low Valence Nickelate $\text{LaO}_{1-x}\text{Ni}_x\text{Mn}$ . Physical Review X, 2022, 12, .	3.94	11
107	Effect of layering and doping on the magnetic anisotropy of the layered manganites La <sub>2-2x</sub> Sr <sub>1+2x</sub> Mn <sub>2</sub> O <sub>7</sub> (x = 0.3 to 0.4). Journal of Applied Physics, 2001, 89, 6621-6623.	2.5	10
108	Anisotropic spin waves and exchange interactions in the A-type antiferromagnetic state of Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . Physical Review B, 2006, 73, .	3.2	10

#	ARTICLE	IF	CITATIONS
109	Neutron scattering study of the competing magnetic correlations in $\text{La}_{1.36}\text{Sr}_{1.64}\text{Mn}_2\text{O}_7$ bilayer manganites probed by resonant inelastic x-ray scattering. Physical Review B, 2015, 92, .	3.2	10
110	Neutron-scattering-based evidence for interacting magnetic excitons in $\text{LaCoO}_3$ . Physical Review B, 2015, 92, .	3.2	10
111	Electronic and structural response to pressure in the hyperkagome-lattice $\text{Na}_3\text{O}_8$ . Physical Review B, 2018, 98, .	3.2	10
112	Neutron scattering study of the competing magnetic correlations in $\text{La}_{0.85}\text{Sr}_{0.15}\text{MnO}_2$ in bilayer manganites probed by resonant inelastic x-ray scattering. Physical Review B, 2009, 79, .	3.2	8
113	Neutron scattering study of the competing magnetic correlations in $\text{La}_{0.85}\text{Sr}_{0.15}\text{MnO}_2$ in bilayer manganites probed by resonant inelastic x-ray scattering. Physical Review B, 2010, 82, .	3.2	8
114	Pressure-induced tuning of a magnetic phase separation in $\text{Nd}_{0.53}\text{Sr}_{0.47}\text{MnO}_3$ . Physical Review B, 2012, 86, .	3.2	9
115	Atomic Scale Studies of La/Sr Ordering in Colossal Magnetoresistant $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ Single Crystals. Microscopy and Microanalysis, 2014, 20, 1791-1797.	0.4	9
116	Magnetic domain tuning and the emergence of bubble domains in the bilayer manganite $\text{La}_{0.85}\text{Sr}_{0.15}\text{MnO}_2$ . Physical Review B, 2015, 92, .	3.2	9
117	Fundamental Insights from a Single-Crystal Sodium Iridate Battery. Advanced Energy Materials, 2020, 10, 1903128.	19.5	9
118	Steeplike metamagnetic transitions in a honeycomb lattice antiferromagnet $\text{TbMn}_2\text{O}_7$ . Physical Review Materials, 2019, 3, .	2.4	9
119	Layered CMR Manganites: Structure, Properties, and Unconventional Magnetism. Materials Research Society Symposia Proceedings, 1996, 453, 343.	0.1	8
120	Redistribution of the density of states due to Coulomb interactions in $\text{La}_{2-x}\text{Sr}_{1+x}\text{Mn}_2\text{O}_7$ . Physical Review B, 2007, 76, .	3.2	8
121	Controlled mechanical modification of manganite surface with nanoscale resolution. Nanotechnology, 2014, 25, 475302.	2.6	8
122	Magneto-optical imaging of the first order spin-flop transition in the layered manganite $\text{La}_{1.4}\text{Sr}_{1.6}\text{Mn}_2\text{O}_7$ . Journal of Applied Physics, 2000, 87, 5043-5045.	2.5	7
123	The electronic structure of $\text{La}_{0.66}\text{Ca}_{0.33}\text{MnO}_3$ and $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ studied by angle resolved photoemission. Journal of Applied Physics, 2000, 88, 786-789.	2.5	7
124	Heavily doped bilayer manganites: links among structure, charge, and spin. Applied Physics A: Materials Science and Processing, 2002, 74, s1776-s1778.	2.3	7
125	Optical study of competition between ordering and metallicity in $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ . Physical Review B, 2003, 67, .	3.2	7
126	Bilayer splitting and c-axis coupling in bilayer manganites showing colossal magnetoresistance. Physical Review B, 2009, 80, .	3.2	7

#	ARTICLE	IF	CITATIONS
127	Photo-induced low temperature structural transition in the $\text{La}_{1-x}\text{Y}_x\text{BaFe}_4\text{O}_7$ oxide. Solid State Communications, 2014, 182, 22-25.	1.9	7
128	Etching of Cr tips for scanning tunneling microscopy of cleavable oxides. Review of Scientific Instruments, 2017, 88, 023705.	1.3	7
129	Real Space Visualization of Competing Phases in $\text{La}_{0.6}\text{Sr}_{2.4}\text{Mn}_2\text{O}_7$ Single Crystals. Chemistry of Materials, 2018, 30, 7962-7969.	6.7	7
130	Surface melting of electronic order in $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$ . Physical Review B, 2011, 84, .	3.2	6
131	Single crystal growth of 67% $\text{BiFeO}_3$ -33% $\text{BaTiO}_3$ solution by the floating zone method. Journal of Crystal Growth, 2018, 481, 23-28.	1.5	6
132	Oxygen Inhomogeneity and Reversibility in Single Crystal $\text{LaNiO}_3$ . Crystals, 2020, 10, 557.	2.2	6
133	The complex magnetic behavior and the role of dynamic structural fluctuations in $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ crystals. Journal of Applied Physics, 1998, 83, 7351-7353.	2.5	5
134	Intrinsic and extrinsic magnetic properties of the naturally layered manganites. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1239-1246.	2.1	5
135	Structure and charge ordering behavior of the colossal magnetoresistive manganite $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ . Journal of Applied Physics, 2009, 105, 07D528.	2.5	5
136	Antiferromagnetic domain structure in bilayer manganite. Physical Review B, 2013, 88, .	3.2	5
137	Ferromagnetic domain behavior and phase transition in bilayer manganites investigated at the nanoscale. Physical Review B, 2015, 92, .	3.2	5
138	Structure and magnetism in $\text{LaCoO}_3$ . Journal of Physics Condensed Matter, 2016, 28, 025602.	1.8	5
139	Muon spin relaxation study of spin dynamics in the extended kagome systems $\text{YBaCo}_4\text{O}_7$ . Physical Review B, 2018, 97, .	3.2	5
140	Optical magnons with dominant bond-directional exchange interactions in the honeycomb lattice iridate $\text{La}_2\text{Ir}_2\text{O}_7$ . Physical Review B, 2021, 103, .	3.2	5
141	Canted antiferromagnetic order and spin dynamics in the honeycomb-lattice compound $\text{Tb}_2\text{Ir}_2\text{O}_7$ . Physical Review B, 2021, 103, .	3.2	5
142	Superconducting properties of the spin Hall candidate $\text{Ta}_2\text{Ir}_2\text{O}_7$ with eightfold degeneracy. Physical Review B, 2022, 105, .	3.2	5
143	Observation of Electronic Inhomogeneity and Charge Density Waves in a Bilayer $\text{La}_{1-x}\text{Sr}_x\text{MnO}_2$ . Physical Review Letters, 2013, 110, 217203.	7.8	4

#	ARTICLE	IF	CITATIONS
145	Tetrahedral coordination and low-spin configuration in a $\text{LaMnO}_5$ oxide. <i>Physical Review Materials</i> , 2019, 3, .	6.7	4
146	Competing Charge/Spin-Stripe and Correlated Metal Phases in Trilayer Nickelates ( $\text{PrLa}_4\text{Ni}_3\text{O}_8$ ). <i>Chemistry of Materials</i> , 2022, 34, 4560-4567.	3.3	3
147	Interplay between intrinsic and stacking-fault magnetic domains in bi-layered manganites. <i>Applied Physics Letters</i> , 2012, 101, 132402.	3.2	3
148	Nonmonotonic Fermi surface evolution and its correlation with stripe ordering in bilayer manganites. <i>Physical Review B</i> , 2012, 86, .	2.9	3
149	Single crystal growth and structural evolution across the 1st order valence transition in $(\text{Pr}_{1-y}\text{Y})_{1-x}\text{Ca}_x\text{CoO}_3$ . <i>Journal of Solid State Chemistry</i> , 2017, 254, 69-74.	3.0	3
150	Single Crystal Growth of Relaxor Ferroelectric $\text{Ba}_2\text{PrFeNb}_4\text{O}_{15}$ by the Optical Floating Zone Method. <i>Crystal Growth and Design</i> , 2019, 19, 7249-7256.	2.4	3
151	Controlled vapor crystal growth of $\text{Nd}_4\text{O}_7$ . <i>Crystal Growth and Design</i> , 2019, 19, 7249-7256.	3.2	3
152	Magnetic terahertz resonances above the Néel temperature in the frustrated kagome antiferromagnet <i>averievite</i> . <i>Physical Review B</i> , 2022, 105, .	2.4	3
153	Essential role of magnetic frustration in the phase diagrams of doped cobaltites. <i>Physical Review Materials</i> , 2022, 6, .	2.0	2
154	POLARON ORDERING IN FERROMAGNETIC COLOSSAL MAGNETORESISTIVE OXIDES. <i>International Journal of Modern Physics B</i> , 2000, 14, 3711-3718.	3.2	2
155	Spin ordering and dynamics in the frustrated antiferromagnet $\text{YBaCo}_4\text{O}_{7.1}$ . <i>Physical Review B</i> , 2014, 89, .	3.3	2
156	New Insulating Antiferromagnetic Quaternary Iridates $\text{MLa}_{10}\text{Ir}_4\text{O}_{24}$ ( $\text{M} = \text{Sr}, \text{Ba}$ ). <i>Scientific Reports</i> , 2015, 5, 11705.	3.2	2
157	Changes in the electronic structure and spin dynamics across the metal-insulator transition in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ . <i>Physical Review B</i> , 2016, 93, .	2.5	1
158	Raman phonons in $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ layered manganites. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 1013-1015.	0.4	1
159	Twinning Microstructure and Charge Ordering in the Colossal Magnetoresistive Manganite $\text{Nd}_{1/2}\text{Sr}_{1/2}\text{MnO}_3$ . <i>Microscopy and Microanalysis</i> , 2000, 6, 404-405.	0.4	1
160	The Charge Ordering Behavior of Colossal Magnetoresistive (CMR) Layered Compounds $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ( $x = 0.5 \text{ to } 0.6$ ). <i>Microscopy and Microanalysis</i> , 2001, 7, 410-411.	3.2	1.2
161	Non-Korringa nuclear relaxation in the ferromagnetic phase of the bilayered manganite $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ . <i>Physical Review B</i> , 2009, 80, .	0.8	1
162	Unusual evolution of the magnetism on oxygen in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 254-258.		

#	ARTICLE	IF	CITATIONS
163	Prediction and Experimental Evidence for Thermodynamically Stable Charged Orbital Domain Walls. <i>Physical Review X</i> , 2014, 4, .	8.9	1
164	Fermi surface topology and nontrivial Berry phase in the flat-band semimetal Pd <sub>3</sub> Pb. <i>Physical Review B</i> , 2020, 101, .	3.2	1
165	Electronic coupling in square planar La <sub>4</sub> Ni <sub>3</sub> O <sub>8</sub> . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 425503.	1.8	1
166	Raman Investigation of the Layered Manganese Perovskite La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Materials Research Society Symposia Proceedings</i> , 1997, 494, 305.	0.1	0
167	SPIN CORRELATIONS OF THE MAGNETORESISTIVE BILAYER MANGANITE La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>International Journal of Modern Physics B</i> , 1999, 13, 3820-3822.	2.0	0
168	Spin wave excitations in the antiferromagnetic state of Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . <i>Journal of Applied Physics</i> , 2004, 95, 7351-7353.	2.5	0
169	Publisher's Note: Antiferromagnetic domain structure in bilayer manganite [Phys. Rev. B88, 075134 (2013)]. <i>Physical Review B</i> , 2013, 88, .	3.2	0
170	Measuring 3D magnetic correlations during the photo-induced melting of electronic order in La <sub>0.5</sub> Sr <sub>1.5</sub> MnO <sub>4</sub> . <i>EPJ Web of Conferences</i> , 2013, 41, 03003.	0.3	0
171	Photo-modulated dynamic competition between metallic and insulating phases in a layered manganite. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1636, 1.	0.1	0
172	Evidence of photo-induced dynamic competition of metallic and insulating phase in a layered manganite. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 495602.	1.8	0
173	Domain behavior in functional materials studied using Lorentz microscopy. <i>Microscopy and Microanalysis</i> , 2016, 22, 1680-1681.	0.4	0
174	Real-Space Study of Charge and Orbital Ordering in La <sub>0.6</sub> Sr <sub>2.4</sub> Mn <sub>2</sub> O <sub>7</sub> Manganite Single Crystal. <i>Microscopy and Microanalysis</i> , 2018, 24, 106-107.	0.4	0
175	Addendum: Fermiology and electron dynamics of trilayer nickelate La <sub>4</sub> Ni <sub>3</sub> O <sub>10</sub> . <i>Nature Communications</i> , 2018, 9, 1952.	12.8	0