

Jâ€f Mitchell

List of Publications by Year in descending order

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175
papers

6,386
citations

53794

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179
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179
docs citations

179
times ranked

6688
citing authors

#	ARTICLE	IF	CITATIONS
1	Nontrivial Fermi surface topology of the kagome superconductor CsV_3Sb_5 probed by de Haas-van Alphen oscillations. Physical Review B, 2022, 105, .		
2	Magnetic terahertz resonances above the Néel temperature in the frustrated kagome antiferromagnet averievite. Physical Review B, 2022, 105, .	3.2	3
3	Role of Oxygen States in the Low Valence Nickelate $\text{LaO}_{1-x}\text{Ni}_x\text{S}_2$. Physical Review X, 2022, 12, .	19.4	1
4	Superconducting properties of the spin Hall candidate $\text{TaTa}_3\text{S}_{10}$ with eightfold degeneracy. Physical Review B, 2022, 105, .	3.2	1
5	Competing Charge/Spin-Stripe and Correlated Metal Phases in Trilayer Nickelates $(\text{Pr}_{1-x}\text{La}_x)_4\text{Ni}_3\text{O}_{8-y}$. Chemistry of Materials, 2022, 34, 4560-4567.	6.7	4
6	Essential role of magnetic frustration in the phase diagrams of doped cobaltites. Physical Review Materials, 2022, 6, .	2.4	3
7	Optical magnons with dominant bond-directional exchange interactions in the honeycomb lattice iridate Ir_2O_7 . Physical Review B, 2021, 103, .	3.2	5
8	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
9	Strong Superexchange in a Nd_2O_7 Nickelate Revealed by Resonant Inelastic X-Ray Scattering. Physical Review Letters, 2021, 126, 087001.	17.9	1
10	Canted antiferromagnetic order and spin dynamics in the honeycomb-lattice compound $\text{TbTa}_3\text{S}_{10}$. Physical Review B, 2021, 103, .	3.2	1
11	Local electronic structure of rutile RuO_2 . Physical Review Research, 2021, 3, .	13.8	1
12	A Nickelate Renaissance. Frontiers in Physics, 2021, 9, .	2.1	12
13	Intertwined density waves in a metallic nickelate. Nature Communications, 2020, 11, 6003.	12.8	24
14	Two-orbital degeneracy lifted local precursor to a metal-insulator transition in MgTi_2O_4 . Physical Review B, 2020, 102, .	3.2	13
15	Fermi surface topology and nontrivial Berry phase in the flat-band semimetal Pd_3Pb . Physical Review B, 2020, 101, .	3.2	1
16	Unprecedented non-hysteretic superelasticity of [001]-oriented NiCoFeGa single crystals. Nature Materials, 2020, 19, 712-718.	27.5	95
17	Oxygen Inhomogeneity and Reversibility in Single Crystal LaNiO_3 . Crystals, 2020, 10, 557.	2.2	6
18	Fundamental Insights from a Single-Crystal Sodium Iridate Battery. Advanced Energy Materials, 2020, 10, 1903128.	19.5	9

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19	High oxygen pressure floating zone growth and crystal structure of the metallic nickelates <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
37	Addendum: Fermiology and electron dynamics of trilayer nickelate La ₄ Ni ₃ O ₁₀ . Nature Communications, 2018, 9, 1952.	12.8	0
38	Averievite: A copper oxide kagome antiferromagnet. Physical Review B, 2018, 98, .	3.2	20
39	Large anomalous Hall effect in the chiral-lattice antiferromagnet CoNb ₃ S ₆ . Nature Communications, 2018, 9, 3280.	12.8	102
40	Electronic and structural response to pressure in the hyperkagome-lattice Na_3O_8 . Physical Review B, 2018, 98, .	3.2	10
41	Antiferromagnetic defect structure in Na_4I . Physical Review B, 2018, 98, .	2.4	3
42	Antiferromagnetic defect structure in LaNi_3O_7 single crystals. Physical Review Materials, 2018, 2, .	2.4	30
43	Anisotropic angular magnetoresistance and Fermi surface topology of the candidate novel topological metal Pd_3Te_2 . Physical Review Materials, 2018, 2, .	2.4	12
44	Etching of Cr tips for scanning tunneling microscopy of cleavable oxides. Review of Scientific Instruments, 2017, 88, 023705.	1.3	7
45	High-Pressure Floating-Zone Growth of Perovskite Nickelate LaNiO_3 Single Crystals. Crystal Growth and Design, 2017, 17, 2730-2735.	3.0	59
46	Large orbital polarization in a metallic square-planar nickelate. Nature Physics, 2017, 13, 864-869.	16.7	135
47	Fermiology and electron dynamics of trilayer nickelate La ₄ Ni ₃ O ₁₀ . Nature Communications, 2017, 8, 704.	12.8	26
48	Single crystal growth and structural evolution across the 1st order valence transition in $(\text{Pr}_{1-x}\text{Y})\text{La}_x\text{CoO}_3$. Journal of Solid State Chemistry, 2017, 254, 69-74.	2.9	3
49	Domain behavior in functional materials studied using Lorentz microscopy. Microscopy and Microanalysis, 2016, 22, 1680-1681.	0.4	0
50	Perspective: Toward synthesis by design: Exploring atomic correlations during inorganic materials synthesis. APL Materials, 2016, 4, 053212.	5.1	33
51	Distinct Electronic Structure for the Extreme Magnetoresistance in YSb. Physical Review Letters, 2016, 117, 267201.	7.8	77
52	Stacked charge stripes in the quasi-2D trilayer nickelate $\text{La}_4\text{Ni}_3\text{O}_8$. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8945-8950.	7.1	73
53	Isotropic and anisotropic regimes of the field-dependent spin dynamics in Sr_2CuO_7 Raman scattering studies. Physical Review B, 2016, 93, .	3.2	16
54	Nonpercolative nature of the metal-insulator transition and persistence of local Jahn-Teller distortions in the rhombohedral regime of La_3O_7 . Physical Review B, 2016, 93, .	3.2	12

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55	Structure and magnetism in LaCoO ₃ . Journal of Physics Condensed Matter, 2016, 28, 025602.	1.8	5
56	Magnetotransport of single crystalline YSb. Journal of Physics Condensed Matter, 2016, 28, 235601.	1.8	36
57	Changes in the electronic structure and spin dynamics across the metal-insulator transition in La _{1-x} Sr _x CoO ₃ . Physical Review B, 2016, 93, .	3.2	2
58	Ferromagnetic domain behavior and phase transition in bilayer manganites investigated at the nanoscale. Physical Review B, 2015, 92, .	3.2	5
59	Magnetic domain tuning and the emergence of bubble domains in the bilayer manganite $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. Physical Review B, 2015, 92, .	3.2	2
60	Neutron-scattering-based evidence for interacting magnetic excitons in LaCoO ₃ . Physical Review B, 2015, 92, .	3.2	10
61	New Insulating Antiferromagnetic Quaternary Iridates MLa ₁₀ Ir ₄ O ₂₄ (M = Sr, Ba). Scientific Reports, 2015, 5, 11705.	3.3	2
62	Evidence of photo-induced dynamic competition of metallic and insulating phase in a layered manganite. Journal of Physics Condensed Matter, 2015, 27, 495602.	1.8	0
63	Sr ₂ IrO ₄ : Gateway to cuprate superconductivity?. APL Materials, 2015, 3, 062404.	5.1	15
64	Direct evidence for dominant bond-directional interactions in a honeycomb lattice iridate Na ₂ IrO ₃ . Nature Physics, 2015, 11, 462-466.	16.7	321
65	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
66	Controlled mechanical modification of manganite surface with nanoscale resolution. Nanotechnology, 2014, 25, 475302.	2.6	8
67	Spin ordering and dynamics in the frustrated antiferromagnet YBaCo ₄ O ₇ . Physical Review B, 2014, 89, .	3.2	2
68	Prediction and Experimental Evidence for Thermodynamically Stable Charged Orbital Domain Walls. Physical Review X, 2014, 4, .	8.9	1
69	Photo-modulated dynamic competition between metallic and insulating phases in a layered manganite. Materials Research Society Symposia Proceedings, 2014, 1636, 1.	0.1	0
70	Atomic Scale Studies of La/Sr Ordering in Colossal Magnetoresistant La _{2-x} Sr _{1+2x} Mn ₂ O ₇ Single Crystals. Microscopy and Microanalysis, 2014, 20, 1791-1797.	0.4	9
71	Brownmillerite Ca ₂ Co ₂ O ₅ : Synthesis, Stability, and Re-entrant Single Crystal to Single Crystal Structural Transitions. Chemistry of Materials, 2014, 26, 7172-7182.	6.7	33
72	Photo-induced low temperature structural transition in the $\text{Ca}_{114}\text{YBaFe}_4\text{O}_7$ oxide. Solid State Communications, 2014, 182, 22-25.	1.9	7

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73	Fermi arcs in a doped pseudospin-1/2 Heisenberg antiferromagnet. <i>Science</i> , 2014, 345, 187-190.	12.6	261
74	Cu(Ir _{1-x} Crx)2S4: a model system for studying nanoscale phase coexistence at the metal-insulator transition. <i>Scientific Reports</i> , 2014, 4, 4081.	3.3	15
75	Pressure-induced volume collapse and structural phase transitions in SrRuO ₃ . <i>Journal of Solid State Chemistry</i> , 2013, 205, 177-182.	2.9	11
76	Gigantic magnetic-field-induced polarization and magnetoelectric coupling in a ferrimagnetic oxide CaBaCo _{4-x} O ₁₀ . <i>Physical Review B</i> , 2013, 88, .	3.2	83
77	Minority-spin t _{2g} states and the degree of spin polarization in ferromagnetic metallic La _{2-x} Sr _{1+2x} Mn ₂ O ₇ (x = 0.38). <i>Scientific Reports</i> , 2013, 3, 3167.	3.3	12
78	Quantifying magnetic exchange in doubly-bridged Cu ₂ X ₂ Cu (X = F, Cl, Br) chains enabled by solid state synthesis of CuF ₂ (pyrazine). <i>Chemical Communications</i> , 2013, 49, 3558.	4.1	12
79	Observation of Electronic Inhomogeneity and Charge Density Waves in a Bilayer Manganite. <i>Physical Review Letters</i> , 2013, 110, 217203.	7.8	4
80	Antiferromagnetic domain structure in bilayer manganite. <i>Physical Review B</i> , 2013, 88, .	3.2	5
81	Oxygen Stoichiometry in the Geometrically Frustrated Kagomé System YBaCo _{4-x} O _{7+δ} : Impact on Phase Behavior and Magnetism. <i>Chemistry of Materials</i> , 2013, 25, 4188-4196.	6.7	16
82	Evidence for an internal-field-induced spin-flop configuration in the extended kagome YBaCo ₄ O ₇ . <i>Physical Review B</i> , 2013, 87, .	3.2	11
83	Local structural evidence for strong electronic correlations in spinel LiRh ₂ O ₄ . <i>Physical Review B</i> , 2013, 88, .	3.2	19
84	Publisher's Note: Antiferromagnetic domain structure in bilayer manganite [Phys. Rev. B 88, 075134 (2013)]. <i>Physical Review B</i> , 2013, 88, .	3.2	0
85	Unusual evolution of the magnetism on oxygen in La _{1-x} Sr _x CoO ₃ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 254-258.	0.8	1
86	Measuring 3D magnetic correlations during the photo-induced melting of electronic order in La _{0.5} Sr _{1.5} MnO ₄ . <i>EPL Web of Conferences</i> , 2013, 41, 03003.	0.3	0
87	Interplay between intrinsic and stacking-fault magnetic domains in bi-layered manganites. <i>Applied Physics Letters</i> , 2012, 101, 132402.	3.3	3
88	Evolution of three-dimensional correlations during the photoinduced melting of antiferromagnetic order in La _{1-x} Sr _x MnO ₃ . <i>Physical Review B</i> , 2012, 86, .	3.2	19
89	Nonmonotonic Fermi surface evolution and its correlation with stripe ordering in bilayer manganites. <i>Physical Review B</i> , 2012, 86, .	3.2	3
90	Evolution of the spin-state transition with doping in La _{1-x} Sr _x CoO ₃ . <i>Physical Review B</i> , 2012, 86, .	3.2	21

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91	Pressure-induced tuning of a magnetic phase separation in Nd _{0.53} Sr _{0.47} MnO ₃ . Physical Review B, 2012, 86, .	3.2	9
92	Tetragonal YBaFe ₄ O ₇ : A stoichiometric polymorph of the $\text{Ae}_{1-x}\text{B}_x$ ferrite family. Journal of Solid State Chemistry, 2012, 191, 225-231.	2.9	15
93	Evolution of Magnetic Oxygen States in Sr-Doped LaCoO_3 . Physical Review Letters, 2012, 109, 157204.	7.8	48
94	Dimensionality Driven Spin-Flop Transition in Layered Iridates. Physical Review Letters, 2012, 109, 037204.	7.8	117
95	Understanding Fluxes as Media for Directed Synthesis: <i>In Situ</i> Local Structure of Molten Potassium Polysulfides. Journal of the American Chemical Society, 2012, 134, 9456-9463.	13.7	53
96	Kinetic control of structural and magnetic states in LuBaCo ₄ O ₇ . Physical Review B, 2012, 85, .	3.2	11
97	Cascade of Magnetic Field Induced Spin Transitions in LaCoO ₃ . Physical Review Letters, 2012, 109, 037201.	7.8	56
98	Driving magnetic order in a manganite by ultrafast lattice excitation. Physical Review B, 2011, 84, .	3.2	130
99	Detailed Mapping of the Local Ir^{4+} through the Metal-Insulator Transitions of CuIr_2O_8 . Physical Review Letters, 2011, 106, 077201.	7.8	24
100	Spin-ordering and magnetoelastic coupling in the extended Kagome system YBaCo ₄ O ₇ probed by X-Ray Scattering. Physical Review B, 2011, 83, .	3.2	36
101	Surface melting of electronic order in La _{0.5} Sr _{1.5} MnO ₄ . Physical Review B, 2011, 84, .	3.2	6
102	Localization of electrons due to orbitally ordered bi-stripes in the bilayer manganite La _{1-x} Sr _{1+2x} Mn ₂ O ₇ (x = 1/4, 0.59). Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11799-11803.	7.1	12
103	Orbital ordering in bilayer manganites probed by resonant inelastic x-ray scattering. Physical Review B, 2010, 82, .	3.2	10
104	Spontaneous formation of an exchange-spring composite via magnetic phase separation in Pr_2MnO_7 . Physical Review B, 2010, 82, .	3.2	30
105	Spin correlations in the geometrically frustrated $\text{BaCo}_2\text{V}_2\text{O}_{10}$. Mean-field approach and Monte Carlo simulations. Physical Review B, 2010, 82, .	3.2	28
106	Continuous metal-insulator transition of the antiferromagnetic perovskite NaOsO_3 . Physical Review B, 2009, 80, .	3.3	102
107	Bilayer splitting and c-axis coupling in bilayer manganites showing colossal magnetoresistance. Physical Review B, 2009, 80, .	3.2	7
108	Coexistence of Weak Ferromagnetism and Ferroelectricity in the High Pressure LiNbO_3 -Type Phase of FeTiO_3 . Physical Review Letters, 2009, 103, 047601.	7.8	132

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109	Heat capacity study of magnetoelectronic phase separation in LaCrO_3 crystals. Physical Review B, 2009, 80, .	3.2	51
110	Neutron scattering study of the competing magnetic correlations in LaMnO_3 . Physical Review B, 2009, 79, .	3.2	80.85
111	Structural behavior of the kagome antiferromagnet TmBaCo_4 . Neutron diffraction study and group-theoretical consideration. Physical Review B, 2009, 80, .	3.2	43.9
112	Low temperature Schottky anomalies in the specific heat of LaCoO_3 : Defect-stabilized finite spin states. Applied Physics Letters, 2009, 94, .	3.3	48
113	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
114	Non-Korringa nuclear relaxation in the ferromagnetic phase of the bilayered manganite LaMn_2O_7 . Physical Review B, 2009, 80, .	3.2	1.2
115	Coupled structural/magnetocrystalline anisotropy transitions in the doped perovskite cobaltite PrCoO_3 . Physical Review B, 2009, 79, .	3.2	45
116	Transport signatures of percolation and electronic phase homogeneity in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ single crystals. Applied Physics Letters, 2009, 95, 222511.	3.3	11
117	Diamagnetic to paramagnetic transition in LaCoO_3 . Physical Review B, 2009, 79, .	3.2	53
118	Study of the local distortions of the perovskite system LaMnO_3 . Physical Review B, 2009, 80, .	3.2	45
119	Magnetic Correlations in the Extended Kagome $\text{YBaCo}_4\text{O}_{13}$ Probed by Single-Crystal Neutron Scattering. Physical Review Letters, 2009, 103, 037202.	3.2	95
120	Formation of Co^{3+} octahedra and tetrahedra in $\text{YBaCo}_4\text{O}_{8.1}$. Journal of Solid State Chemistry, 2008, 181, 664-672.	2.9	91
121	Magnetic state of $\text{La}_{1.36}\text{Mn}_2\text{O}_7$. Physical Review B, 2009, 79, .	3.2	10
122	Magnetic resonance study of highly Sr-doped LaMnO_3 . Physical Review B, 2009, 79, .	3.2	55
123	Charge and orbital ordered phases of LaMnO_3 . Physical Review B, 2008, 78, .	3.2	28
124	Redistribution of the density of states due to Coulomb interactions in LaMnO_3 . Physical Review B, 2007, 76, .	3.2	18
125	Magnetic momentum density, Fermi surface, and directional magnetic Compton profiles in $\text{LaSr}_2\text{Mn}_2\text{O}_7$ and $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$. Physical Review B, 2007, 75, .	3.2	13
126	Epitaxial stabilization and structural properties of REMnO_3 (RE=Dy,Gd,Sm) compounds in a layered, hexagonal ABO ₃ structure. Applied Physics Letters, 2007, 91, 232901.	3.3	31

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127	ffths-like clustered phase above the Curie temperature of the doped perovskite cobaltite $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. Physical Review B, 2007, 76, .		
128	Polaron coherence condensation as the mechanism for colossal magnetoresistance in layered manganites. Physical Review B, 2007, 76, .	3.2	63
129	Disorder and double-exchange spin dynamics in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ and $\text{La}_{0.7}\text{Sr}_{0.3}\text{CoO}_3$ from NMR hyperfine couplings. Physical Review B, 2007, 75, .	3.2	15
130	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. Nature Physics, 2007, 3, 248-252.	16.7	45
131	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
132	Structural and magnetic properties of the Kagomé antiferromagnet $\text{YbBaCo}_4\text{O}_7$. Journal of Solid State Chemistry, 2006, 179, 1136-1145.	2.9	138
133	Competing magnetic interactions in the extended Kagomé system YBaCo_4O_7 . Physical Review B, 2006, 74, .	3.2	128
134	Anisotropic spin waves and exchange interactions in the A-type antiferromagnetic state of $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$. Physical Review B, 2006, 73, .	3.2	10
135	Local defect structure of $\text{Sr}_3\text{Co}_2\text{O}_x$ (5.64 $\leq x \leq 6.60$): Evolution of crystallographic and magnetic states. Physical Review B, 2006, 74, .	3.2	19
136	Glassy transport phenomena in a phase-separated perovskite cobaltite. Physical Review B, 2006, 73, .	3.2	41
137	Superconducting NbSe_2 nanowires and nanoribbons converted from NbSe_3 nanostructures. Applied Physics Letters, 2005, 87, 142506.	3.3	29
138	Orbital Correlations in the Pseudocubic and Rhombohedral Phases of LaMnO_3 . Physical Review Letters, 2005, 94, 177203.	7.8	159
139	Magnetodielectric consequences of phase separation in the colossal magnetoresistance manganite $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. Physical Review B, 2005, 72, .	3.2	81
140	Spin wave excitations in the antiferromagnetic state of $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$. Journal of Applied Physics, 2004, 95, 7351-7353.	2.5	0
141	Full bulk spin polarization and intrinsic tunnel barriers at the surface of layered manganites. Nature Materials, 2004, 4, 62-67.	27.5	79
142	Field-induced avalanche to the ferromagnetic state in the phase-separated ground state of manganites. Physical Review B, 2004, 70, .	3.2	32
143	Crystal and magnetic structure of $\text{NdBaCo}_2\text{O}_{5+\delta}$: Spin states in a perovskite-derived, mixed-valent cobaltite. Journal of Applied Physics, 2003, 93, 7364-7366.	2.5	27
144	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

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145	Polaronic orbital polarization in a layered colossal magnetoresistive manganite. <i>Physical Review B</i> , 2003, 67, .	3.2	23
146	Local distortion of MnO ₆ clusters in the metallic phase of La _{1-x} Sr _x MnO ₃ . <i>Physical Review B</i> , 2003, 68, .	3.2	48
147	Structural and magnetic ordering in Pr _{0.65} (Ca _y Sr _{1-y}) _{0.35} MnO ₃ : Quantum critical point versus phase segregation scenarios. <i>Physical Review B</i> , 2002, 66, .	3.2	37
148	Ultrasharp Magnetization Steps in Perovskite Manganites. <i>Physical Review Letters</i> , 2002, 89, 286602.	7.8	214
149	Heavily doped bilayer manganites: links among structure, charge, and spin. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s1776-s1778.	2.3	7
150	Electrochemical and X-ray scattering study of well defined RuO ₂ single crystal surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2002, 524-525, 201-218.	3.8	56
151	Structural effect on colossal magnetoresistivity in manganites: Bond versus band. <i>Physical Review B</i> , 2001, 64, .	3.2	14
152	Magnetic phase diagram of layered manganites in the highly doped regime. <i>Journal of Applied Physics</i> , 2001, 89, 6618-6620.	2.5	15
153	Spin, Charge, and Lattice States in Layered Magnetoresistive Oxides. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10731-10745.	2.6	92
154	The Charge Ordering Behavior of Colossal Magnetoresistive (CMR) Layered Compounds La _{2-2x} Sr _{1+2x} Mn ₂ O ₇ (x = 0.5 to 0.6). <i>Microscopy and Microanalysis</i> , 2001, 7, 410-411.	0.4	1
155	Effect of layering and doping on the magnetic anisotropy of the layered manganites La _{2-2x} Sr _{1+2x} Mn ₂ O ₇ (x=0.3 to 0.4). <i>Journal of Applied Physics</i> , 2001, 89, 6621-6623.	2.5	10
156	Evidence for competing order parameters in the paramagnetic phase of layered manganites (invited). <i>Journal of Applied Physics</i> , 2001, 89, 6851-6856.	2.5	15
157	Mesoscopic and microscopic phase segregation in manganese perovskites. <i>Physical Review B</i> , 2001, 63, .	3.2	143
158	Structure of nanoscale polaron correlations in La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Physical Review B</i> , 2001, 65, .	3.2	46
159	Raman phonons in La _{2-2x} Sr _{1+2x} Mn ₂ O ₇ layered manganites. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 1013-1015.	2.5	1
160	Twinning Microstructure and Charge Ordering in the Colossal Magnetoresistive Manganite Nd _{1/2} Sr _{1/2} MnO ₃ . <i>Microscopy and Microanalysis</i> , 2000, 6, 404-405.	0.4	1
161	Intrinsic and extrinsic magnetic properties of the naturally layered manganites. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000, 18, 1239-1246.	2.1	5
162	Magneto-optical imaging of the first order spin-flop transition in the layered manganite La _{1.4} Sr _{1.6} Mn ₂ O ₇ . <i>Journal of Applied Physics</i> , 2000, 87, 5043-5045.	2.5	7

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163	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. <i>Journal of Applied Physics</i> , 2000, 88, 786-789.	2.5	7
164	POLARON ORDERING IN FERROMAGNETIC COLOSSAL MAGNETORESISTIVE OXIDES. <i>International Journal of Modern Physics B</i> , 2000, 14, 3711-3718.	2.0	2
165	SPIN CORRELATIONS OF THE MAGNETORESISTIVE BILAYER MANGANITE $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$. <i>International Journal of Modern Physics B</i> , 1999, 13, 3820-3822.	2.0	0
166	Layered manganites: Magnetic structure at extreme doping levels. <i>Journal of Applied Physics</i> , 1999, 85, 4352-4354.	2.5	29
167	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
168	Two-dimensional ferromagnetic correlations above TC in the naturally layered CMR manganite $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ($x=0.3$) (invited). <i>Journal of Applied Physics</i> , 1998, 83, 6374-6378.	2.5	21
169	Role of intergrowths in the properties of naturally layered manganite single crystals (invited). <i>Journal of Applied Physics</i> , 1998, 83, 6385-6389.	2.5	53
170	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. <i>Journal of Applied Physics</i> , 1998, 83, 7351-7353.	2.5	5
171	Charge delocalization and structural response in layered $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$: Enhanced distortion in the metallic regime. <i>Physical Review B</i> , 1997, 55, 63-66.	3.2	253
172	Raman Investigation of the Layered Manganese Perovskite $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$. <i>Materials Research Society Symposia Proceedings</i> , 1997, 494, 305.	0.1	0
173	Strength and flexibility of bulk high- T_c superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 1997, 7, 1307-1310.	1.7	11
174	Sign Reversal of the Mn-O Bond Compressibility in $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ below TC: Exchange Striction in the Ferromagnetic State. <i>Physical Review Letters</i> , 1997, 78, 1568-1571.	7.8	134
175	Layered CMR Manganites: Structure, Properties, and Unconventional Magnetism. <i>Materials Research Society Symposia Proceedings</i> , 1996, 453, 343.	0.1	8