

# Carlos Frontera

## List of Publications by Year in descending order

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210  
papers

6,865  
citations

66234

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71532

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215  
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215  
docs citations

215  
times ranked

8183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a calcium-based rechargeable battery. Nature Materials, 2016, 15, 169-172.	13.3	567
2	Room-temperature antiferromagnetic memory resistor. Nature Materials, 2014, 13, 367-374.	13.3	546
3	Raising the Curie temperature in Sr <sub>2</sub> FeMoO <sub>6</sub> double perovskites by electron doping. Physical Review B, 2001, 64, .	1.1	241
4	Towards Oxide Electronics: a Roadmap. Applied Surface Science, 2019, 482, 1-93.	3.1	236
5	Selective spin-state switch and metal-insulator transition in GdBaCo <sub>2</sub> O <sub>5.5</sub> . Physical Review B, 2002, 65, .	1.1	234
6	High- and Low-Temperature Crystal and Magnetic Structures of $\mu$ -Fe <sub>2</sub> O <sub>3</sub> and Their Correlation to Its Magnetic Properties. Chemistry of Materials, 2006, 18, 3889-3897.	3.2	150
7	Barocaloric and magnetocaloric effects in $\mu$ -Fe <sub>2</sub> O <sub>3</sub> . Physical Review B, 2014, 89, .	1.1	149
8	Tailoring Oxygen Content on PrBaCo <sub>2</sub> O <sub>5</sub> $\delta$ Layered Cobaltites. Chemistry of Materials, 2005, 17, 5439-5445.	3.2	136
9	High-temperature orbital and charge ordering in Bi <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> . Physical Review B, 2001, 63, .	1.1	135
10	Magnetic and magnetotransport properties of GdBaCo <sub>2</sub> O <sub>5</sub> $\delta$ : A high magnetic-field study. Physical Review B, 2001, 64, .	1.1	131
11	Structure, Atomistic Simulations, and Phase Transition of Stoichiometric Yelimitite. Chemistry of Materials, 2013, 25, 1680-1687.	3.2	123
12	Elastocaloric and magnetocaloric effects in Ni-Mn-Sn(Cu) shape-memory alloy. Journal of Applied Physics, 2013, 113, .	1.1	109
13	Nonzero orbital moment in high coercivity $\mu$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles: low-temperature collapse of the magnetocrystalline anisotropy. Physical Review B, 2009, 79, .	1.1	105
14	Electrochemical Intercalation of Calcium and Magnesium in TiS <sub>2</sub> : Fundamental Studies Related to Multivalent Battery Applications. Chemistry of Materials, 2018, 30, 847-856.	3.2	105
15	Large coercivity and low-temperature magnetic reorientation in $\mu$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. Journal of Applied Physics, 2005, 98, 044307.	1.1	103
16	FullProf as a new tool for flipping ratio analysis. Physica B: Condensed Matter, 2003, 335, 219-222.	1.3	102
17	Magnetoelectric coupling in $\mu$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. Nanotechnology, 2006, 17, 687-691.	1.3	99
18	New crystal structure and characterization of lanthanum tungstate $\text{La}_6\text{WO}_{12}$ prepared by freeze-drying synthesis. Dalton Transactions, 2009, , 10273.	1.6	99

#	ARTICLE	IF	CITATIONS
19	Complete structural model for lanthanum tungstate: a chemically stable high temperature proton conductor by means of intrinsic defects. <i>Journal of Materials Chemistry</i> , 2012, 22, 1762-1764.	6.7	91
20	Tailoring barocaloric and magnetocaloric properties in low-hysteresis magnetic shape memory alloys. <i>Acta Materialia</i> , 2015, 96, 324-332.	3.8	89
21	Magnetocaloric effect in the low hysteresis Ni-Mn-In metamagnetic shape-memory Heusler alloy. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	86
22	Order-disorder transitions of Cu-Al-Mn shape-memory alloys. <i>Physical Review B</i> , 1998, 58, 14245-14255.	1.1	81
23	Effect of Mesostuctured Layer upon Crystalline Properties and Device Performance on Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1628-1637.	2.1	78
24	Effect of band filling and structural distortions on the Curie temperature of Fe-Mo double perovskites. <i>Physical Review B</i> , 2003, 68, .	1.1	76
25	Spin state of $\text{Co}^{3+}$ and magnetic transitions in $\text{RBaCo}_2\text{O}_{5.50}$ ( $R=\text{Pr}, \text{Gd}$ ): Dependence on rare-earth size. <i>Physical Review B</i> , 2006, 74, .	1.1	72
26	Epitaxy-distorted spin-orbit Mott insulator in $\text{SrIrO}_4$ thin films. <i>Physical Review B</i> , 2013, 87, .	1.1	70
27	Effect of cation disorder on structural, magnetic and dielectric properties of $\text{La}_2\text{MnCoO}_6$ double perovskite. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 496003.	0.7	67
28	Strain-induced nonsymmorphic symmetry breaking and removal of Dirac semimetallic nodal line in an orthoperovskite iridate. <i>Physical Review B</i> , 2016, 93, .	1.1	67
29	On the strange case of divalent ions intercalation in $\text{V}_2\text{O}_5$ . <i>Journal of Power Sources</i> , 2018, 407, 162-172.	4.0	66
30	Confinement generates single-crystal aragonite rods at room temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7670-7675.	3.3	61
31	High magnetic field study of charge melting in $\text{Bi}_{1/2}(\text{Sr}, \text{Ca})_{1/2}\text{MnO}_3$ perovskites: Unconventional behavior of bismuth charge ordered compounds. <i>Physical Review B</i> , 2003, 67, .	1.1	55
32	Valence transition in $(\text{Pr}, \text{Ca})\text{CoO}_3$ cobaltites: Charge migration at the metal-insulator transition. <i>Physical Review B</i> , 2011, 84, .	1.1	55
33	Assessing Si-based anodes for Ca-ion batteries: Electrochemical decalciation of $\text{CaSi}_2$ . <i>Electrochemistry Communications</i> , 2016, 66, 75-78.	2.3	55
34	High magnetic field study of lattice and magnetic effects on the charge-melting transition in $\text{La}_{1/2}\text{Ca}_{1/2}\text{MnO}_3$ perovskites. <i>Physical Review B</i> , 2000, 61, 9014-9018.	1.1	54
35	Valence change of praseodymium in $\text{La}_{0.5}\text{Pr}_{0.5}\text{MnO}_3$ perovskites. <i>Physical Review B</i> , 2000, 61, 9014-9018.	1.1	53
36	Taking steps forward in understanding the electrochemical behavior of $\text{Na}_2\text{Ti}_3\text{O}_7$ . <i>Journal of Materials Chemistry A</i> , 2015, 3, 22280-22286.	5.2	51



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55	Aging of Sr <sub>2</sub> FeMoO <sub>6</sub> and related oxides. Materials Research Bulletin, 2003, 38, 1477-1486.	2.7	32
56	Band filling versus bond bending in substituted L <sub>x</sub> Sr <sub>2-<i>x</i></sub> FeMoO <sub>6</sub> (L=Ca, La, Nd) compounds. Journal of Applied Physics, 2004, 95, 7082-7084.	1.1	32
57	New rare earth hafnium oxynitride perovskites with photocatalytic activity in water oxidation and reduction. Chemical Communications, 2018, 54, 1525-1528.	2.2	31
58	Numerical signs for a transition in the two-dimensional random field Ising model at T=0. Physical Review E, 1999, 59, R1295-R1298.	0.8	30
59	Electrochemical calcium extraction from 1D-Ca <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> . Dalton Transactions, 2018, 47, 11298-11302.	1.6	30
60	FullProf as a new tool for flipping ratio analysis: further improvements. Physica B: Condensed Matter, 2004, 350, E731-E733.	1.3	29
61	Magnetic properties of Bi <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> (x=0, 2, 8, TCO=600K): Ferromagnetism and charge order. Physical Review B, 2005, 72, .	1.1	29
62	Charge and Zener polaron order in Bi <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> . Physical Review B, 2003, 68, .	1.1	28
63	Enhanced stability of charge-order in underdoped Bi <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> . Solid State Communications, 2003, 125, 277-280.	0.9	27
64	Self-Arranged Misfit Dislocation Network Formation upon Strain Release in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /LaAlO <sub>3</sub> (100) Epitaxial Films under Compressive Strain. ACS Applied Materials & Interfaces, 2016, 8, 16823-16832.	4.0	26
65	Dependence of the physical properties of Nd <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> on the oxidation state of Mn. Physical Review B, 2000, 62, 3002-3005.	1.1	25
66	Configurational disorder and magnetism in double perovskites: A Monte Carlo simulation study. Physical Review B, 2004, 69, .	1.1	25
67	Strain-induced perpendicular magnetic anisotropy in La <sub>2</sub> CoMnO <sub>6</sub> thin films and its dependence on film thickness. Physical Review B, 2016, 93, .	1.1	25
68	Hidden Magnetic States Emergent Under Electric Field, In A Room Temperature Composite Magnetoelectric Multiferroic. Scientific Reports, 2017, 7, 15460.	1.6	25
69	Anisotropic sensor and memory device with a ferromagnetic tunnel barrier as the only magnetic element. Scientific Reports, 2018, 8, 861.	1.6	24
70	Monte Carlo study of the growth of L12-ordered domains in fccA3B binary alloys. Physical Review B, 1997, 55, 212-225.	1.1	23
71	TALP: a multisolution direct-space strategy for solving molecular crystals from powder diffraction data based on restrained least squares. Journal of Applied Crystallography, 2012, 45, 1270-1277.	1.9	22
72	Engineering the microstructure and magnetism of La <sub>2</sub> CoMnO <sub>6</sub> thin films by tailoring oxygen stoichiometry. Applied Physics Letters, 2014, 105, .	1.5	22

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73	Band structure of CuMnAs probed by optical and photoemission spectroscopy. Physical Review B, 2018, 97, .	1.1	22
74	Study of sodium manganese fluorides as positive electrodes for Na-ion batteries. Solid State Ionics, 2015, 278, 106-113.	1.3	21
75	Efficient Algorithm for Finding Ground-States in the Random Field Ising Model with an External Field. Journal of Computational Physics, 2000, 160, 117-125.	1.9	20
76	Isothermal anisotropic magnetoresistance in antiferromagnetic metallic IrMn. Scientific Reports, 2016, 6, 35471.	1.6	20
77	Monte Carlo study of the relation between vacancy diffusion and domain growth in two-dimensional binary alloys. Physical Review B, 1993, 48, 9321-9326.	1.1	18
78	Magnetoresistive oxides: new developments and applications. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 98-104.	1.0	18
79	Dielectric properties of $\text{Bi}_{1-x}\text{Sr}_x\text{MnO}_3$ ( $x=0.40,0.50$ ) manganites: Influence of room temperature charge order. Journal of Applied Physics, 2009, 105, .	1.1	18
80	On the Study of Ca and Mg Deintercalation from Ternary Tantalum Nitrides. ACS Omega, 2019, 4, 8943-8952.	1.6	18
81	Increasing the Curie temperature of $\text{Ca}_2\text{FeMoO}_6$ double perovskite by introducing near-neighbour antiferromagnetic interactions. Journal of Physics Condensed Matter, 2005, 17, 8037-8047.	0.7	17
82	Consequences of embedding $\text{Ti}$ in $\text{Ca}_4\text{Fe}_{11}\text{O}_{17}$ . Physical Review B, 2010, 81, .	1.1	17
83	Appraisal of calcium ferrites as cathodes for calcium rechargeable batteries: DFT, synthesis, characterization and electrochemistry of $\text{Ca}_4\text{Fe}_9\text{O}_{17}$ . Dalton Transactions, 2020, 49, 2671-2679.	1.6	17
84	Effect of cation site-disorder on the structure and magneto-transport properties of $\text{Ln}_{5/8}\text{M}_3/8\text{MnO}_3$ manganites. Journal of Solid State Chemistry, 2005, 178, 1949-1958.	1.4	16
85	Cation order enhancement in $\text{Sr}_2\text{FeMoO}_6$ by water-saturated hydrogen reduction. Journal of the European Ceramic Society, 2011, 31, 121-127.	2.8	16
86	Obtaining the structure factors for an epitaxial film using Cu X-ray radiation. Journal of Applied Crystallography, 2013, 46, 1749-1754.	1.9	16
87	The instrumental resolution of a moire extensometer in light of its recent automatisation. Measurement: Journal of the International Measurement Confederation, 2016, 91, 258-265.	2.5	16
88	Comment on "Kinetics of spinodal decomposition in the Ising model with vacancy diffusion". Physical Review B, 1996, 53, 2886-2889.	1.1	15
89	Chemical Heterogeneity in a Single Phase: $\text{Bi}_{0.15}\text{Ca}_{0.85}\text{MnO}_3$ , a Case Example of Macroscopic Phase Segregation. Chemistry of Materials, 2000, 12, 3648-3657.	3.2	15
90	A new approach to increase the Curie temperature of $\text{FeMo}$ double perovskites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 139-142.	1.7	15

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91	Calculating flux to predict future cave radon concentrations. Journal of Environmental Radioactivity, 2016, 157, 16-26.	0.9	15
92	Magnetic anisotropy and valence states in $L_{1-x}A_xC_{1-x}O_3$ . Journal of Applied Physics, 2019, 125, 174101.	1.1	15
93	Spontaneous cationic ordering in chemical-solution-grown $La_2CoMnO_6$ double perovskite thin films. NPG Asia Materials, 2019, 11, .	3.8	15
94	Nonstoichiometry Driven Ferromagnetism in Double Perovskite $La_{2-x}Ni_{1+x}MnO_6$ Insulating Thin Films. Crystal Growth and Design, 2019, 19, 2765-2771.	1.4	14
95	Application of synchrotron through-the-substrate microdiffraction to crystals in polished thin sections. IUCrJ, 2015, 2, 452-463.	1.0	14
96	Antiphase domain growth in BCC metallic alloys via vacancies. European Physical Journal B, 1994, 96, 79-86.	0.6	13
97	Spin state transition: the origin of structural, magnetic and metal-insulator transitions in $GdBaCo_2O_{5+\delta}$ ( $\delta \approx 0.5$ ). Journal of Magnetism and Magnetic Materials, 2002, 242-245, 751-753.	1.0	13
98	Electronic self-doping of Mo states in $A_2FeMoO_6$ (A=Ca, Sr, and Ba) half-metallic ferromagnets: A nuclear magnetic resonance study. Physical Review B, 2005, 71, .	1.1	13
99	A new intermediate intercalate in superconducting sodium-doped hafnium nitride chloride. Chemical Communications, 2005, , 3352.	2.2	13
100	Simultaneous para-ferrimagnetic, metal-insulator, and orthorhombic-monoclinic transitions in $YBaCo_2$ . Physical Review B, 2010, 81, .	1.1	13
101	Capabilities of through-the-substrate microdiffraction: Application of Patterson-function direct methods to synchrotron data from polished thin sections. Journal of Synchrotron Radiation, 2011, 18, 891-898.	1.0	13
102	Synthesis of dry $SmCl_3$ from $Sm_2O_3$ revisited. Implications for the encapsulation of samarium compounds into carbon nanotubes. Polyhedron, 2016, 116, 116-121.	1.0	13
103	Topochemical synthesis of cation ordered double perovskite oxynitrides. Dalton Transactions, 2017, 46, 5128-5132.	1.6	13
104	Aqueous Chemical Solution Deposition of Functional Double Perovskite Epitaxial Thin Films. Chemistry - A European Journal, 2020, 26, 9338-9347.	1.7	13
105	Studying avalanches in the ground state of the two-dimensional random-field Ising model driven by an external field. Physical Review E, 2000, 62, 7470-7473.	0.8	12
106	Structural, spin state, and magnetic transitions in $GdBaCo_2O_{5+\delta}$ ( $\delta \approx 0.5$ ). Journal of Alloys and Compounds, 2001, 323-324, 468-471.	2.8	12
107	Neutron-diffraction study of magnetization avalanches in $Pr_{0.5}Ca_{0.5}Mn_{1-x}Ni_xO_3$ . Journal of Applied Physics, 2005, 97, 10H701.	1.1	12
108	Magnetic, structural properties and B-site order of two epitaxial $La_{2-x}CoMnO_6$ films with perpendicular out-of-plane orientation. Journal of Physics: Conference Series, 2010, 200, 092002.	0.3	12



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109	Effect of the vacancy interaction on antiphase domain growth in a two-dimensional binary alloy. <i>Physical Review B</i> , 1997, 56, 5261-5270.	1.1	11
110	High magnetic field study of HoBaCo <sub>2</sub> O <sub>5.5</sub> and GdBaCo <sub>2</sub> O <sub>5.5</sub> layered cobaltites: the effect of rare-earth size. <i>Physica B: Condensed Matter</i> , 2004, 346-347, 246-249.	1.3	11
111	Study of the oxygen-deficient double perovskite PrBaCo <sub>2</sub> O <sub>5.75</sub> . <i>Physica B: Condensed Matter</i> , 2004, 350, E277-E279.	1.3	11
112	Short- and Long-Range Orbital Order in Phase Separated Pr <sub>0.50</sub> Ca <sub>0.50</sub> Mn <sub>0.99</sub> Ti <sub>0.01</sub> O <sub>3</sub> : Its Role in Thermal Hysteresis. <i>Chemistry of Materials</i> , 2008, 20, 3068-3075.	3.2	11
113	The effect of oxygen disorder on magnetic properties of PrBaCo <sub>2</sub> O <sub>5.50</sub> layered cobaltite. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 104228.	0.7	11
114	Relevance of solid solution randomness for long-range phase separation in highly correlated oxides. <i>Europhysics Letters</i> , 2008, 84, 67011.	0.7	11
115	Influence of R-ion size on spin state of Co and magnetic properties of RBaCo <sub>2</sub> O <sub>5.50</sub> cobaltites. <i>Journal of Applied Physics</i> , 2008, 103, 07F713.	1.1	11
116	Neutron Powder Diffraction Studies of Magnetic Quasi-degenerated Oxides with Competing Degrees of Freedom. <i>Neutron News</i> , 2010, 21, 15-19.	0.1	11
117	Structure of epitaxial SrIrO <sub>3</sub> perovskite studied by interference between X-ray waves diffracted by the substrate and the thin film. <i>Journal of Applied Crystallography</i> , 2017, 50, 385-398.	1.9	11
118	On the viability of Mg extraction in MgMoN <sub>2</sub> : a combined experimental and theoretical approach. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26435-26441.	1.3	11
119	Crystal Growth Mechanisms of BiFeO <sub>3</sub> Nanoparticles. <i>Inorganic Chemistry</i> , 2019, 58, 11364-11371.	1.9	11
120	Local manipulation of metamagnetism by strain nanopatterning. <i>Materials Horizons</i> , 2020, 7, 2056-2062.	6.4	11
121	Electronic and magnetic transitions in BiSrMnO oxides: high temperature charge-ordering. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 242-245, 645-647.	1.0	10
122	“Avalanches” in the ground state of the 3D Gaussian random field Ising model driven by an external field. <i>Computer Physics Communications</i> , 2002, 147, 455-458.	3.0	10
123	Magnetic and electronic properties of the oxygen-deficient PrBaCo <sub>2</sub> O <sub>5+<math>\delta</math></sub> ( $\delta > 0.50$ ). <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1762-1763.	1.0	10
124	Application of the constrained S-FFT direct-phasing method to powder diffraction data. XIII. <i>Journal of Applied Crystallography</i> , 2007, 40, 1035-1038.	1.9	10
125	Emission colour tuning through coupled N/La introduction in Sr <sub>2</sub> SiO <sub>4</sub> :Eu <sup>2+</sup> . <i>Journal of Materials Chemistry C</i> , 2015, 3, 11471-11477.	2.7	10
126	Nitride tuning of lanthanide chromites. <i>Chemical Communications</i> , 2016, 52, 4317-4320.	2.2	10



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127	Cation order and structural transition in $\text{La}_{2-x}\text{MnCoO}_6$ . Journal of Physics: Conference Series, 2011, 325, 012007.	0.3	9
128	Formation of Self-Organized $\text{Mn}_3\text{O}_4$ Nanoinclusions in $\text{LaMnO}_3$ Films. Frontiers in Physics, 2016, 4, .	1.0	9
129	Comparison of the local and the average crystal structure of proton conducting lanthanum tungstate and the influence of molybdenum substitution. Dalton Transactions, 2016, 45, 3791-3797.	1.6	9
130	Sequential partitioning: An alternative to understanding size distributions of avalanches in first-order phase transitions. Physical Review E, 1995, 52, 5671-5674.	0.8	8
131	$H-T$ diagrams of $\text{Ln}_{1-x}\text{Ca}_x\text{MnO}_3$ ( $x=1/2, 1/3$ ) in pulsed fields up to 50 T. Journal of Applied Physics, 1999, 85, 5570-5572.	1.1	8
132	Stability of charge-ordering and $H-T$ diagrams of $\text{Ln}_{1-x}\text{Ca}_x\text{MnO}_3$ manganites in pulsed magnetic field up to 50T. Journal of Magnetism and Magnetic Materials, 2000, 211, 128-132.	1.0	8
133	Ferromagnetic coupling strength and electron-doping effects in double perovskites. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 974-980.	1.0	8
134	Crystal structures of superconducting sodium intercalates of hafnium nitride chloride. Materials Research Bulletin, 2006, 41, 934-940.	2.7	8
135	Effects of d0 substitution on phase competition in $\text{Pr}_{0.50}\text{Ca}_{0.50}\text{Mn}_{1-x}\text{Ti}_x\text{O}_3$ . Journal of Applied Physics, 2008, 103, 07F719.	1.1	8
136	A contactless positioning system for monitoring discontinuities in three dimensions with geological and geotechnical applications. Review of Scientific Instruments, 2017, 88, 074501.	0.6	8
137	First terrestrial occurrence of the complex phosphate chladniite: crystal-structure refinement by synchrotron through-the-substrate microdiffraction. European Journal of Mineralogy, 2017, 29, 287-293.	0.4	8
138	Possible scale invariant linear magnetoresistance in pyrochlore iridates $\text{Bi}_2\text{Ir}_2\text{O}_7$ . New Journal of Physics, 2019, 21, 113041.	1.2	8
139	Engineering Polar Oxynitrides: Hexagonal Perovskite $\text{BaWON}_2$ . Angewandte Chemie - International Edition, 2020, 59, 18395-18399.	7.2	8
140	Computer studies of the 2D random field Ising model at $T=0$ . Computer Physics Communications, 1999, 121-122, 188-190.	3.0	7
141	Magnetism and vacancy ordering in $\text{PrBaCo}_2\text{O}_{5+\delta}$ ( $\delta \approx 0.50$ ). Journal of Applied Physics, 2005, 97, 10C106.	1.1	7
142	Spin state and magnetic interactions of in. Journal of Magnetism and Magnetic Materials, 2007, 316, e731-e733.	1.0	7
143	Temperature dependence of spin pumping and inverse spin Hall effect in permalloy/Pt bilayers. Journal of Magnetism and Magnetic Materials, 2020, 500, 166319.	1.0	7
144	Elucidation of the redox activity of $\text{Ca}_2\text{MnO}_{3.5}$ and $\text{CaV}_2\text{O}_4$ in calcium batteries using operando XRD: charge compensation mechanism and reversibility. Energy Storage Materials, 2022, 47, 354-364.	9.5	7

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145	Charge localization and magnetic dynamics in ferromagnetic and charge-ordered manganites. Journal of Applied Physics, 1999, 85, 5639-5641.	1.1	6
146	Spin state and structural changes at the metal-insulator transition in YBaCo2O5.5 by synchrotron x-rays. Journal of Applied Physics, 2012, 111, 07D710.	1.1	6
147	Growth kinetics engineered magnetoresistance response in La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> thin films. Applied Physics Letters, 2014, 104, 152406.	1.5	6
148	Low temperature synthesis and characterization of Na <sup>+</sup> M <sup>+</sup> (O) <sup>-</sup> F phases with M=Ti, V. Journal of Solid State Chemistry, 2015, 226, 286-294.	1.4	6
149	Dynamic magnetic properties and spin pumping in polymer-assisted-deposited La <sub>0.92</sub> MnO <sub>3</sub> thin films. Journal of Materials Chemistry C, 2019, 7, 12633-12640.	2.7	6
150	Magnetism and orbital ordering in La <sub>7/8</sub> Sr <sub>1/8</sub> MnO <sub>3</sub> . Physica B: Condensed Matter, 2000, 289-290, 77-80.	1.3	5
151	Reply to "Comment on "Tetragonal to monoclinic transition in the metallic antiferromagnet Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> " Physical Review B, 2000, 62, 6822-6824.	1.1	5
152	Anomalously high charge/orbital ordering temperature in Bi <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . Applied Physics A: Materials Science and Processing, 2002, 74, s1787-s1789.	1.1	5
153	Charge and Zener polaron order in Bi <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> : a comparison with Bi <sub>0.75</sub> Ca <sub>0.25</sub> MnO <sub>3</sub> . Physica B: Condensed Matter, 2004, 350, 48-50.	1.3	5
154	Magnetism in the low-doping regime (x<0.50) of Bi <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> perovskites. Journal of Applied Physics, 2005, 97, 10C105.	1.1	5
155	Extending the S-FFT direct-methods algorithm to density functions with positive and negative peaks. XIV, Acta Crystallographica Section A: Foundations and Advances, 2008, 64, 670-674.	0.3	5
156	Exploration of magnetic order in Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . $\text{Ca}_{0.5}\text{MnO}_3$	1.2	5
157	Synthesis and Characterization of a Novel Sodium Transition Metal Oxyfluoride: NaMnMoO <sub>3</sub> F <sub>3</sub> ·2H <sub>2</sub> O. Inorganic Chemistry, 2013, 52, 9791-9797.	1.9	5
158	Monte Carlo simulation of interface alloying. Physical Review B, 1995, 51, 11369-11375.	1.1	4
159	An Algorithm for Finding the First Excited State in the Random-Field Ising Model. Journal of Computational Physics, 2001, 168, 219-226.	1.9	4
160	Magnetization and neutron diffraction studies on Sr <sub>2-x</sub> Ca <sub>x</sub> FeMoO <sub>6</sub> . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 852-854.	1.0	4
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