Carlos Frontera

List of Publications by Year in Descending Order

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

 198
 5,748
 38
 70

 papers
 citations
 h-index
 g-index

 215
 6,354
 4.1
 5.46

 ext. papers
 ext. citations
 avg, IF
 L-index

#	Paper	IF	Citations
198	Elucidation of the redox activity of Ca2MnO3.5 and CaV2O4 in calcium batteries using operando XRD: charge compensation mechanism and reversibility. <i>Energy Storage Materials</i> , 2022 , 47, 354-354	19.4	2
197	High-Temperature Synthesis and Dielectric Properties of LaTaON. <i>Inorganic Chemistry</i> , 2021 , 60, 16484-	1 56 4 91	O
196	Synchrotron X-ray Diffraction in Calcium Batteries: Insights into the Redox Activity of 1D CaCoMO (M = Co and Mn). <i>Energy & amp; Fuels</i> , 2021 , 35, 10898-10907	4.1	2
195	Fractal polymer islands on top of ferromagnetic La2Ni0.6Mn1.4O6 thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 537, 168203	2.8	
194	Local manipulation of metamagnetism by strain nanopatterning. <i>Materials Horizons</i> , 2020 , 7, 2056-2062	14.4	5
193	Aqueous Chemical Solution Deposition of Functional Double Perovskite Epitaxial Thin Films. <i>Chemistry - A European Journal</i> , 2020 , 26, 9338-9347	4.8	7
192	Appraisal of calcium ferrites as cathodes for calcium rechargeable batteries: DFT, synthesis, characterization and electrochemistry of CaFeO. <i>Dalton Transactions</i> , 2020 , 49, 2671-2679	4.3	9
191	Temperature dependence of spin pumping and inverse spin Hall effect in permalloy/Pt bilayers. Journal of Magnetism and Magnetic Materials, 2020 , 500, 166319	2.8	2
190	Engineering Polar Oxynitrides: Hexagonal Perovskite BaWON. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18395-18399	16.4	3
189	Rapid Thermal Annealing of Double Perovskite Thin Films Formed by Polymer Assisted Deposition. <i>Materials</i> , 2020 , 13,	3.5	1
188	Engineering Polar Oxynitrides: Hexagonal Perovskite BaWON2. <i>Angewandte Chemie</i> , 2020 , 132, 18553-	18.557	1
187	Self-assembled line network in BiFeO3 thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 509, 166898	2.8	O
186	Structural, magnetic and electronic properties of EuTi0.5W0.5O3-xNx perovskite oxynitrides. Journal of Solid State Chemistry, 2020 , 286, 121274	3.3	
185	On the Study of Ca and Mg Deintercalation from Ternary Tantalum Nitrides. ACS Omega, 2019, 4, 8943-8	8 9.5 2	13
184	Towards Oxide Electronics: a Roadmap. <i>Applied Surface Science</i> , 2019 , 482, 1-93	6.7	160
183	Nonstoichiometry Driven Ferromagnetism in Double Perovskite La2Ni1⊠Mn1+xO6 Insulating Thin Films. <i>Crystal Growth and Design</i> , 2019 , 19, 2765-2771	3.5	8
182	Crystal Growth Mechanisms of BiFeO Nanoparticles. <i>Inorganic Chemistry</i> , 2019 , 58, 11364-11371	5.1	5

181	Spontaneous cationic ordering in chemical-solution-grown La2CoMnO6 double perovskite thin films. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	10	
180	Topochemical nitridation of SrFeMoO. <i>Chemical Communications</i> , 2019 , 55, 3105-3108	5.8	3	
179	Possible scale invariant linear magnetoresistance in pyrochlore iridates Bi2Ir2O7. <i>New Journal of Physics</i> , 2019 , 21, 113041	2.9	4	
178	Dynamic magnetic properties and spin pumping in polymer-assisted-deposited La0.92MnO3 thin films. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12633-12640	7.1	3	
177	New rare earth hafnium oxynitride perovskites with photocatalytic activity in water oxidation and reduction. <i>Chemical Communications</i> , 2018 , 54, 1525-1528	5.8	28	
176	Anisotropic sensor and memory device with a ferromagnetic tunnel barrier as the only magnetic element. <i>Scientific Reports</i> , 2018 , 8, 861	4.9	17	
175	Electrochemical Intercalation of Calcium and Magnesium in TiS2: Fundamental Studies Related to Multivalent Battery Applications. <i>Chemistry of Materials</i> , 2018 , 30, 847-856	9.6	77	
174	Band structure of CuMnAs probed by optical and photoemission spectroscopy. <i>Physical Review B</i> , 2018 , 97,	3.3	12	
173	On the strange case of divalent ions intercalation in V2O5. <i>Journal of Power Sources</i> , 2018 , 407, 162-172	28.9	45	
172	Electrochemical calcium extraction from 1D-CaCoO. <i>Dalton Transactions</i> , 2018 , 47, 11298-11302	4.3	26	
171	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	11.5	35	
170	Structure of epitaxial SrIrO3 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	3.8	10	
169	Topochemical synthesis of cation ordered double perovskite oxynitrides. <i>Dalton Transactions</i> , 2017 , 46, 5128-5132	4.3	11	
168	On the viability of Mg extraction in MgMoN: a combined experimental and theoretical approach. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26435-26441	3.6	8	
167	A contactless positioning system for monitoring discontinuities in three dimensions with geological and geotechnical applications. <i>Review of Scientific Instruments</i> , 2017 , 88, 074501	1.7	7	
166	Hidden Magnetic States Emergent Under Electric Field, In A Room Temperature Composite Magnetoelectric Multiferroic. <i>Scientific Reports</i> , 2017 , 7, 15460	4.9	20	
165	Magnetic anisotropy and valence states in La2Co1⊠Mn1+xO6 (xŪ.23) thin films studied by x-ray absorption spectroscopy techniques. <i>Physical Review B</i> , 2017 , 95,	3.3	13	
164	First terrestrial occurrence of the complex phosphate chladniite: crystal-structure refinement by synchrotron through-the-substrate microdiffraction. <i>European Journal of Mineralogy</i> , 2017 , 29, 287-293	2.2	6	

163	Strain-induced nonsymmorphic symmetry breaking and removal of Dirac semimetallic nodal line in an orthoperovskite iridate. <i>Physical Review B</i> , 2016 , 93,	3.3	60
162	Strain-induced perpendicular magnetic anisotropy in La2CoMnO6日 thin films and its dependence on film thickness. <i>Physical Review B</i> , 2016 , 93,	3.3	19
161	Isothermal anisotropic magnetoresistance in antiferromagnetic metallic IrMn. <i>Scientific Reports</i> , 2016 , 6, 35471	4.9	17
160	Self-Arranged Misfit Dislocation Network Formation upon Strain Release in La0.7Sr0.3MnO3/LaAlO3(100) Epitaxial Films under Compressive Strain. <i>ACS Applied Materials & Amp; Interfaces</i> , 2016 , 8, 16823-32	9.5	21
159	The instrumental resolution of a moire extensometer in light of its recent automatisation. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 91, 258-265	4.6	13
158	Structural study of CaMn1 $\overline{\mathbb{N}}$ MoxO3 (0.08 $\overline{\mathbb{N}}$ $\stackrel{\frown}{\times}$ $\overline{\mathbb{N}}$ 0.12) system by neutron powder diffraction. <i>Journal of Alloys and Compounds</i> , 2016 , 676, 575-581	5.7	2
157	Synthesis of dry SmCl3 from Sm2O3 revisited. Implications for the encapsulation of samarium compounds into carbon nanotubes. <i>Polyhedron</i> , 2016 , 116, 116-121	2.7	8
156	Nitride tuning of lanthanide chromites. <i>Chemical Communications</i> , 2016 , 52, 4317-20	5.8	6
155	Comparison of the local and the average crystal structure of proton conducting lanthanum tungstate and the influence of molybdenum substitution. <i>Dalton Transactions</i> , 2016 , 45, 3791-7	4.3	7
154	Towards a calcium-based rechargeable battery. <i>Nature Materials</i> , 2016 , 15, 169-72		
	Towards a carciam based rechargeable backery. Nature Materials, 2010, 13, 105 12	27	451
153	Formation of Self-Organized Mn3O4 Nanoinclusions in LaMnO3 Films. <i>Frontiers in Physics</i> , 2016 , 4,	3.9	5
		<u> </u>	
153	Formation of Self-Organized Mn3O4 Nanoinclusions in LaMnO3 Films. <i>Frontiers in Physics</i> , 2016 , 4, Assessing Si-based anodes for Ca-ion batteries: Electrochemical decalciation of CaSi2.	3.9	5
153 152	Formation of Self-Organized Mn3O4 Nanoinclusions in LaMnO3 Films. <i>Frontiers in Physics</i> , 2016 , 4, Assessing Si-based anodes for Ca-ion batteries: Electrochemical decalciation of CaSi2. <i>Electrochemistry Communications</i> , 2016 , 66, 75-78 Calculating flux to predict future cave radon concentrations. <i>Journal of Environmental Radioactivity</i> ,	3.9	5
153 152 151	Formation of Self-Organized Mn3O4 Nanoinclusions in LaMnO3 Films. <i>Frontiers in Physics</i> , 2016 , 4, Assessing Si-based anodes for Ca-ion batteries: Electrochemical decalciation of CaSi2. <i>Electrochemistry Communications</i> , 2016 , 66, 75-78 Calculating flux to predict future cave radon concentrations. <i>Journal of Environmental Radioactivity</i> , 2016 , 157, 16-26 Study of sodium manganese fluorides as positive electrodes for Na-ion batteries. <i>Solid State Ionics</i> ,	3.9 5.1 2.4	5 36 10
153 152 151 150	Formation of Self-Organized Mn3O4 Nanoinclusions in LaMnO3 Films. Frontiers in Physics, 2016, 4, Assessing Si-based anodes for Ca-ion batteries: Electrochemical decalciation of CaSi2. Electrochemistry Communications, 2016, 66, 75-78 Calculating flux to predict future cave radon concentrations. Journal of Environmental Radioactivity, 2016, 157, 16-26 Study of sodium manganese fluorides as positive electrodes for Na-ion batteries. Solid State Ionics, 2015, 278, 106-113 Tailoring barocaloric and magnetocaloric properties in low-hysteresis magnetic shape memory	3.9 5.1 2.4 3.3	5 36 10
153 152 151 150	Formation of Self-Organized Mn3O4 Nanoinclusions in LaMnO3 Films. <i>Frontiers in Physics</i> , 2016 , 4, Assessing Si-based anodes for Ca-ion batteries: Electrochemical decalciation of CaSi2. <i>Electrochemistry Communications</i> , 2016 , 66, 75-78 Calculating flux to predict future cave radon concentrations. <i>Journal of Environmental Radioactivity</i> , 2016 , 157, 16-26 Study of sodium manganese fluorides as positive electrodes for Na-ion batteries. <i>Solid State Ionics</i> , 2015 , 278, 106-113 Tailoring barocaloric and magnetocaloric properties in low-hysteresis magnetic shape memory alloys. <i>Acta Materialia</i> , 2015 , 96, 324-332 Exploring a novel preparation method of 1D metal organic frameworks based on supercritical CO2.	3.9 5.1 2.4 3.3 8.4	5 36 10 16

(2013-2015)

145	Taking steps forward in understanding the electrochemical behavior of Na2Ti3O7. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22280-22286	13	37
144	Emission colour tuning through coupled N/La introduction in Sr2SiO4:Eu2+. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11471-11477	7.1	9
143	Chemical solution growth of La0.7Sr0.3MnO3 nanotubes in confined geometries. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 73, 620-627	2.3	1
142	Low temperature synthesis and characterization of NaM(O)E phases with M=Ti, V. <i>Journal of Solid State Chemistry</i> , 2015 , 226, 286-294	3.3	4
141	Application of synchrotron through-the-substrate microdiffraction to crystals in polished thin sections. <i>IUCrJ</i> , 2015 , 2, 452-63	4.7	11
140	Neutron and X-ray diffraction study of ferrite nanocrystals obtained by microwave-assisted growth. A structural comparison with the thermal synthetic route. <i>Journal of Applied Crystallography</i> , 2014 , 47, 414-420	3.8	36
139	Magnetocaloric effect in the low hysteresis Ni-Mn-In metamagnetic shape-memory Heusler alloy. Journal of Applied Physics, 2014 , 115, 173907	2.5	69
138	Room-temperature antiferromagnetic memory resistor. <i>Nature Materials</i> , 2014 , 13, 367-74	27	435
137	Barocaloric and magnetocaloric effects in Fe49Rh51. <i>Physical Review B</i> , 2014 , 89,	3.3	111
136	Engineering the microstructure and magnetism of La2CoMnO6II thin films by tailoring oxygen stoichiometry. <i>Applied Physics Letters</i> , 2014 , 105, 242401	3.4	18
135	Application of XLENS [®] program to neutron diffraction data: solving crystal structures with positive and negative scatterers. <i>Journal of Physics: Conference Series</i> , 2014 , 549, 012008	0.3	
134	Growth kinetics engineered magnetoresistance response in La2/3Sr1/3MnO3 thin films. <i>Applied Physics Letters</i> , 2014 , 104, 152406	3.4	5
133	Synthesis and characterization of a novel sodium transition metal oxyfluoride: NaMnMoO3F3[H2O. <i>Inorganic Chemistry</i> , 2013 , 52, 9791-7	5.1	3
132	Structure, Atomistic Simulations, and Phase Transition of Stoichiometric Yeelimite. <i>Chemistry of Materials</i> , 2013 , 25, 1680-1687	9.6	104
131	Ground state and the metal-insulator transition in (Pr1 $\mbox{\sc I}$ Yy)1 $\mbox{\sc I}$ CaxCoO3 (0.45 $\mbox{\sc I}$ X $\mbox{\sc I}$ 0.55) cobaltites. <i>Journal of the Korean Physical Society</i> , 2013 , 63, 791-794	0.6	2
130	Elastocaloric and magnetocaloric effects in Ni-Mn-Sn(Cu) shape-memory alloy. <i>Journal of Applied Physics</i> , 2013 , 113, 053506	2.5	90
129	Anomalous electronic and magnetic properties of the Eu2Ru2O7 pyrochlore. <i>Journal of Applied Physics</i> , 2013 , 113, 17E102	2.5	3
128	Obtaining the structure factors for an epitaxial film using Cu X-ray radiation. <i>Journal of Applied Crystallography</i> , 2013 , 46, 1749-1754	3.8	13

127	Epitaxy-distorted spin-orbit Mott insulator in Sr2IrO4 thin films. <i>Physical Review B</i> , 2013 , 87,	3.3	63
126	DAJUST: a suite of computer programs for pattern matching, space-group determination and intensity extraction from powder diffraction data. <i>Journal of Applied Crystallography</i> , 2012 , 45, 844-848	3.8	30
125	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		83
124	TALP: a multisolution direct-space strategy for solving molecular crystals from powder diffraction data based on restrained least squares. <i>Journal of Applied Crystallography</i> , 2012 , 45, 1270-1277	3.8	18
123	Spin state and structural changes at the metal-insulator transition in YBaCo2O5.5 by synchrotron x-raysa). <i>Journal of Applied Physics</i> , 2012 , 111, 07D710	2.5	6
122	Valence transition in (Pr,Ca)CoO3 cobaltites: Charge migration at the metal-insulator transition. <i>Physical Review B</i> , 2011 , 84,	3.3	45
121	Cation order and structural transition in La2MnCoO6. <i>Journal of Physics: Conference Series</i> , 2011 , 325, 012007	0.3	3
120	Structure, chemical stability and mixed protonlectron conductivity in BaZr0.9\PrxGd0.1O3\. Journal of Power Sources, 2011 , 196, 9141-9147	8.9	32
119	Capabilities of through-the-substrate microdiffraction: 'application of Patterson-function direct methods to synchrotron data from polished thin sections. <i>Journal of Synchrotron Radiation</i> , 2011 , 18, 891-8	2.4	10
118	Cation order enhancement in Sr2FeMoO6 by water-saturated hydrogen reduction. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 121-127	6	13
117	Valence change of praseodymium in Pr0.5Ca0.5CoO3 investigated by x-ray absorption spectroscopy. <i>Physical Review B</i> , 2011 , 84,	3.3	41
116	Effect of cation disorder on structural, magnetic and dielectric properties of La2MnCoO6 double perovskite. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 496003	1.8	51
115	Role of A-site cations in the metal-insulator transition in Pr0.5Ca0.5CoO3II(II). <i>Physical Review B</i> , 2010 , 81,	3.3	33
114	Neutron Powder Diffraction Studies of Magnetic Quasi-degenerated Oxides with Competing Degrees of Freedom. <i>Neutron News</i> , 2010 , 21, 15-19	0.4	10
113	Consequences of embedding Ti4+ 3d0 centers in Pr0.50Ca0.50MnO3: Phase competition in Pr0.50Ca0.50Mn1\(\text{MTixO3}. \) Physical Review B, 2010 , 81,	3.3	16
112	Simultaneous para-ferrimagnetic, metal-insulator, and orthorhombic-monoclinic transitions in YBaCo2O5.50. <i>Physical Review B</i> , 2010 , 81,	3.3	13
111	Magnetoresistance in the paramagnetic insulating state of Pr0.50Ca0.50CoO3. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012010	0.3	1
110	Magnetic, structural properties and B-site order of two epitaxial La2CoMnO6films with perpendicular out-of-plane orientation. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 092002	0.3	7

(2006-2010)

109	Structural properties, magnetic and oxygen-vacancies order in Y(Ba1\(\text{\text{NS}}\)Co2O5.5layered cobaltites. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012039	0.3	1
108	On the role of solid solution randomness on phase coexistence inB-site substituted manganites. Journal of Physics: Conference Series, 2010 , 200, 012040	0.3	
107	Exploration of magnetic order in Pr0.5Ca0.5CoO3 \square (\square =0) below the metal-insulator transition. <i>Physics Procedia</i> , 2010 , 8, 73-77		4
106	Nonzero orbital moment in high coercivity ?-Fe2O3 and low-temperature collapse of the magnetocrystalline anisotropy. <i>Physical Review B</i> , 2009 , 79,	3.3	88
105	Improving the direct-methods sign-unconstrained S-FFT algorithm. XV. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009 , 65, 528-31		3
104	Dielectric properties of Bi1\(\mathbb{B}\)SrxMnO3 (x=0.40,0.50) manganites: Influence of room temperature charge order. <i>Journal of Applied Physics</i> , 2009 , 105, 084116	2.5	15
103	New crystal structure and characterization of lanthanum tungstate "La6WO12" prepared by freeze-drying synthesis. <i>Dalton Transactions</i> , 2009 , 10273-83	4.3	92
102	Short- and Long-Range Orbital Order in Phase Separated Pr0.50Ca0.50Mn0.99Ti0.01O3: Its Role in Thermal Hysteresis. <i>Chemistry of Materials</i> , 2008 , 20, 3068-3075	9.6	11
101	The effect of oxygen disorder on magnetic properties of PrBaCo2O5.50layered cobaltite. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104228	1.8	8
100	Relevance of solid solution randomness for long-range phase separation in highly correlated oxides. <i>Europhysics Letters</i> , 2008 , 84, 67011	1.6	11
99	Effects of d0 substitution on phase competition in Pr0.50Ca0.50Mn1⊠TixO3. <i>Journal of Applied Physics</i> , 2008 , 103, 07F719	2.5	8
98	Spin disorder and magnetic properties of Bi3&Ca1&MnO3. <i>Journal of Applied Physics</i> , 2008 , 103, 07F718	2.5	2
97	Influence of R-ion size on spin state of Co and magnetic properties of RBaCo2O5.50 cobaltites. Journal of Applied Physics, 2008 , 103, 07F713	2.5	11
96	Extending the S-FFT direct-methods algorithm to density functions with positive and negative peaks. XIV. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008 , 64, 670-4		3
95	Application of the constrained S-FFT direct-phasing method to powder diffraction data. XIII. <i>Journal of Applied Crystallography</i> , 2007 , 40, 1035-1038	3.8	9
94	Spin state and magnetic interactions of in. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e73	126733	3 6
93	Magnetic and electronic properties of Bi(0.75)Ca(0.25)MnO(3). <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 406212	1.8	2
92	Crystal structures of superconducting sodium intercalates of hafnium nitride chloride. <i>Materials Research Bulletin</i> , 2006 , 41, 934-940	5.1	8

91	Absence of ferromagnetism in Fe-doped TiO2 nanoparticles. <i>Applied Physics Letters</i> , 2006 , 89, 122501	3.4	47
90	Avalanches, irreversibility, and phase separation in Co-substituted Pr0.50Ca0.50Mn1\(\textbf{\textit{B}}\)CoxO3. <i>Physical Review B</i> , 2006 , 74,	3.3	30
89	Spin state of Co3+ and magnetic transitions in RBaCo2O5.50(R=Pr,Gd): Dependence on rare-earth size. <i>Physical Review B</i> , 2006 , 74,	3.3	69
88	Magnetoelectric coupling in IFe2O3 nanoparticles. <i>Nanotechnology</i> , 2006 , 17, 687-691	3.4	84
87	Comparative study of the magnetic and electronic properties of Bi0.75A0.25MnO3 (x=28) with A=Ca and Sr. <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 91-94	2.8	
86	A new approach to increase the Curie temperature of FeMo double perovskites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006 , 126, 139-142	3.1	14
85	High- and Low-Temperature Crystal and Magnetic Structures of IFe2O3 and Their Correlation to Its Magnetic Properties. <i>Chemistry of Materials</i> , 2006 , 18, 3889-3897	9.6	124
84	Equilibrio y cintica del oxgeno en PrBaCo2O5+[l Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2006 , 45, 139-143	1.9	3
83	Estudio de la posible coexistencia de ferromagnetismo y orden de carga en 🏻 idos cerínicos Bi1-xSrxMnO3 (x[]' 0.3). <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2006 , 45, 233-237	1.9	2
82	A new intermediate intercalate in superconducting sodium-doped hafnium nitride chloride. <i>Chemical Communications</i> , 2005 , 3352-4	5.8	12
81	Increasing the Curie temperature of Ca2FeMoO6double perovskite by introducing near-neighbour antiferromagnetic interactions. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 8037-8047	1.8	14
80	Tailoring Oxygen Content on PrBaCo2O5+[] Layered Cobaltites. <i>Chemistry of Materials</i> , 2005 , 17, 5439-	5 4 465	126
79	Large coercivity and low-temperature magnetic reorientation in IFe2O3 nanoparticles. <i>Journal of Applied Physics</i> , 2005 , 98, 044307	2.5	85
78	Magnetic properties of Bi0.75Sr0.25MnO3 (x 28 ,TCO=600K): Ferromagnetism and charge order. <i>Physical Review B</i> , 2005 , 72,	3.3	26
77	Effect of cation site-disorder on the structure and magneto-transport properties of Ln5/8M3/8MnO3 manganites. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1949-1958	3.3	13
76	Ferromagnetic coupling strength and electron-doping effects in double perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 974-980	2.8	7
75	Direct evidence for charge ordering and electronic phase separation in BixSr1\(\text{MMnO3} \) at room temperature. <i>Physica B: Condensed Matter</i> , 2005 , 370, 172-177	2.8	3
74	Electronic self-doping of Mo states in A2FeMoO6 (A=Ca, Sr, and Ba) half-metallic ferromagnets: A nuclear magnetic resonance study. <i>Physical Review B</i> , 2005 , 71,	3.3	13

(2003-2005)

73	Magnetism in the low-doping regime (x. Journal of Applied Physics, 2005, 97, 10C105	2.5	5
72	Neutron-diffraction study of magnetization avalanches in Pr0.50Ca0.50Mn1\(\mathbb{B}\)NixO3. <i>Journal of Applied Physics</i> , 2005 , 97, 10H701	2.5	12
71	Magnetism and vacancy ordering in PrBaCo2O5+□ (□?0.50). <i>Journal of Applied Physics</i> , 2005 , 97, 10C10	6 2.5	7
70	Enhanced ferromagnetic interactions in electron doped NdxSr2´xFeMoO6double perovskites. Journal of Physics Condensed Matter, 2004 , 16, 3173-3182	1.8	41
69	Band filling versus bond bending in substituted LxSr2\(\mathbb{I}\)FeMoO6 (L=Ca, La, Nd) compounds. <i>Journal of Applied Physics</i> , 2004 , 95, 7082-7084	2.5	30
68	Configurational disorder and magnetism in double perovskites: A Monte Carlo simulation study. <i>Physical Review B</i> , 2004 , 69,	3.3	23
67	Ferromagnetic coupling in NdxCa2NFeMoO6 double perovskites: Dominant band-filling effects. <i>Physical Review B</i> , 2004 , 70,	3.3	34
66	High magnetic field study of HoBaCo2O5.5 and GdBaCo2O5.5 layered cobaltites: the effect of rare-earth size. <i>Physica B: Condensed Matter</i> , 2004 , 346-347, 246-249	2.8	11
65	Study of the oxygen-deficient double perovskite PrBaCo2O5.75. <i>Physica B: Condensed Matter</i> , 2004 , 350, E277-E279	2.8	10
64	FullProf as a new tool for flipping ratio analysis: further improvements. <i>Physica B: Condensed Matter</i> , 2004 , 350, E731-E733	2.8	18
63	Charge and Zener polaron order in Bi0.75Sr0.25MnO3: a comparison with Bi0.75Ca0.25MnO3. <i>Physica B: Condensed Matter</i> , 2004 , 350, 48-50	2.8	4
62	Magnetism of Bi0.75Sr0.25MnO3 and its dependence on bismuth concentration. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1734-1735	2.8	2
61	Magnetization and neutron diffraction studies on Sr2\(\mathbb{L}\)CaxFeMoO6. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 852-854	2.8	4
60	Magnetic and electronic properties of the oxygen-deficient PrBaCo2O5+ \square (\square >0.50). <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1762-1763	2.8	9
59	High magnetic field study of charge/polaron ordering in Bi1⊠SrxMnO (x?0.50) perovskites. <i>Physica B: Condensed Matter</i> , 2004 , 346-347, 70-73	2.8	2
58	Mechanism for Curie temperature variation in LaxSr2⊠FeMoO6 and CaxSr2⊠FeMoO6. <i>Physica B:</i> Condensed Matter, 2004 , 350, E285-E288	2.8	4
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40	An Algorithm for Finding the First Excited State in the Random-Field Ising Model. <i>Journal of Computational Physics</i> , 2001 , 168, 219-226	4.1	4
39	Phase Segregation in Bi1-xCaxMnO3 (x 🛈 .75) Investigated by Neutron and Synchrotron X-Ray Diffraction. <i>Materials Science Forum</i> , 2001 , 378-381, 611-615	0.4	
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36	Raising the Curie temperature in Sr2FeMoO6 double perovskites by electron doping. <i>Physical Review B</i> , 2001 , 64,	3.3	223
35	Room temperature charge and orbital ordering and phase coexistence in Bi0.5Sr0.5MnO3. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 1071-1078	1.8	37
34	Low-temperature charge and magnetic order of Bi0.5Sr0.5MnO3. <i>Physical Review B</i> , 2001 , 64,	3.3	49
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32	Phase segregation and orbital ordering in Bi1\(\mathbb{R}\)CaxMnO3 (x\(\mathbb{0}\).75): a neutron and synchrotron X-ray diffraction study. <i>Journal of Alloys and Compounds</i> , 2001 , 323-324, 408-411	5.7	1
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29	Magnetic dynamics and discommensuration in charge-ordered Pr1\(\mathbb{R}\)CaxMnO3 (and). <i>Physica B: Condensed Matter</i> , 2000 , 289-290, 73-76	2.8	2
28	Magnetism and orbital ordering in La7/8Sr1/8MnO3. <i>Physica B: Condensed Matter</i> , 2000 , 289-290, 77-80	2.8	5
27	Charge reallocation in the tetragonal to monoclinic transition in Pr1/2Sr1/2MnO3. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 790-792	2.8	1
26	Phase coexistence and magnetic structures of Bi1\(\mathbb{B}\)SrxMnO3 (). <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 793-794	2.8	2
25	Stability of charge-ordering and HII diagrams of Ln1\(\mathbb{L}\)CaxMnO3 manganites in pulsed magnetic field up to 50 T. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 211, 128-132	2.8	7
24	Dependence of the physical properties of Nd0.5Ca0.5MnO3+ \square on the oxidation state of Mn. <i>Physical Review B</i> , 2000 , 62, 3002-3005	3.3	23
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21	Phase coexistence, magnetic inhomogeneity, and disorder in the charge-ordered state of Pr2/3Ca1/3MnO3. <i>Physical Review B</i> , 2000 , 62, 3381-3388	3.3	40
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8	Order-disorder transitions of Cu-Al-Mn shape-memory alloys. <i>Physical Review B</i> , 1998 , 58, 14245-14255	3.3	72
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