Carlos Frontera

List of Publications by Citations

198 papers	5,748 citations	38 h-index	70 g-index
215 ext. papers	6,354 ext. citations	4.1 avg, IF	5.46 L-index

#	Paper	IF	Citations
198	Towards a calcium-based rechargeable battery. *Nature Materials*, **2016**, 15, 169-72	27	451
197	Room-temperature antiferromagnetic memory resistor. *Nature Materials*, **2014**, 13, 367-74	27	435
196	Selective spin-state switch and metal-insulator transition in GdBaCo2O5.5. *Physical Review B*, **2002**, 65,	3.3	227
195	Raising the Curie temperature in Sr2FeMoO6 double perovskites by electron doping. *Physical Review B*, **2001**, 64,	3.3	223
194	Towards Oxide Electronics: a Roadmap. *Applied Surface Science*, **2019**, 482, 1-93	6.7	160
193	High-temperature orbital and charge ordering in Bi1/2Sr1/2MnO3. *Physical Review B*, **2001**, 63,	3.3	131
192	Magnetic and magnetotransport properties of GdBaCo2O5+□: A high magnetic-field study. *Physical Review B*, **2001**, 64,	3.3	127
191	Tailoring Oxygen Content on PrBaCo2O5+□ Layered Cobaltites. *Chemistry of Materials*, **2005**, 17, 5439-5445	9.6	126
190	High- and Low-Temperature Crystal and Magnetic Structures of □Fe2O3 and Their Correlation to Its Magnetic Properties. *Chemistry of Materials*, **2006**, 18, 3889-3897	9.6	124
189	Barocaloric and magnetocaloric effects in Fe49Rh51. *Physical Review B*, **2014**, 89,	3.3	111
188	Structure, Atomistic Simulations, and Phase Transition of Stoichiometric Yeelimite. *Chemistry of Materials*, **2013**, 25, 1680-1687	9.6	104
187	New crystal structure and characterization of lanthanum tungstate "La6WO12" prepared by freeze-drying synthesis. *Dalton Transactions*, **2009**, 10273-83	4.3	92
186	Elastocaloric and magnetocaloric effects in Ni-Mn-Sn(Cu) shape-memory alloy. *Journal of Applied Physics*, **2013**, 113, 053506	2.5	90
185	Nonzero orbital moment in high coercivity ?-Fe2O3 and low-temperature collapse of the magnetocrystalline anisotropy. *Physical Review B*, **2009**, 79,	3.3	88
184	Large coercivity and low-temperature magnetic reorientation in □Fe2O3 nanoparticles. *Journal of Applied Physics*, **2005**, 98, 044307	2.5	85
183	Magnetoelectric coupling in □Fe2O3 nanoparticles. *Nanotechnology*, **2006**, 17, 687-691	3.4	84
182	Complete structural model for lanthanum tungstate: a chemically stable high temperature proton conductor by means of intrinsic defects. *Journal of Materials Chemistry*, **2012**, 22, 1762-1764		83

181	FullProf as a new tool for flipping ratio analysis. *Physica B: Condensed Matter*, **2003**, 335, 219-222	2.8	83
180	Electrochemical Intercalation of Calcium and Magnesium in TiS2: Fundamental Studies Related to Multivalent Battery Applications. *Chemistry of Materials*, **2018**, 30, 847-856	9.6	77
179	Order-disorder transitions of Cu-Al-Mn shape-memory alloys. *Physical Review B*, **1998**, 58, 14245-14255	3.3	72
178	Effect of band filling and structural distortions on the Curie temperature of Fe-Mo double perovskites. *Physical Review B*, **2003**, 68,	3.3	71
177	Effect of Mesostructured Layer upon Crystalline Properties and Device Performance on Perovskite Solar Cells. *Journal of Physical Chemistry Letters*, **2015**, 6, 1628-37	6.4	69
176	Magnetocaloric effect in the low hysteresis Ni-Mn-In metamagnetic shape-memory Heusler alloy. *Journal of Applied Physics*, **2014**, 115, 173907	2.5	69
175	Spin state of Co3+ and magnetic transitions in RBaCo2O5.50(R=Pr,Gd): Dependence on rare-earth size. *Physical Review B*, **2006**, 74,	3.3	69
174	Epitaxy-distorted spin-orbit Mott insulator in Sr2IrO4 thin films. *Physical Review B*, **2013**, 87,	3.3	63
173	Tailoring barocaloric and magnetocaloric properties in low-hysteresis magnetic shape memory alloys. *Acta Materialia*, **2015**, 96, 324-332	8.4	62
172	Strain-induced nonsymmorphic symmetry breaking and removal of Dirac semimetallic nodal line in an orthoperovskite iridate. *Physical Review B*, **2016**, 93,	3.3	60
171	High magnetic field study of charge melting in Bi1/2(Sr,Ca)1/2MnO3 perovskites: Unconventional behavior of bismuth charge ordered compounds. *Physical Review B*, **2003**, 67,	3.3	52
170	Effect of cation disorder on structural, magnetic and dielectric properties of La2MnCoO6 double perovskite. *Journal of Physics Condensed Matter*, **2011**, 23, 496003	1.8	51
169	High magnetic field study of lattice and magnetic effects on the charge-melting transition in L1/2Ca1/2MnO3 perovskites. *Physical Review B*, **2000**, 61, 9014-9018	3.3	50
168	Low-temperature charge and magnetic order of Bi0.5Sr0.5MnO3. *Physical Review B*, **2001**, 64,	3.3	49
167	Absence of ferromagnetism in Fe-doped TiO2 nanoparticles. *Applied Physics Letters*, **2006**, 89, 122501	3.4	47
166	On the strange case of divalent ions intercalation in V2O5. *Journal of Power Sources*, **2018**, 407, 162-172	8.9	45
165	Valence transition in (Pr,Ca)CoO3 cobaltites: Charge migration at the metal-insulator transition. *Physical Review B*, **2011**, 84,	3.3	45
164	Structural and magnetic study of PrBaCo2O5+□ (□?0.75) cobaltite. *Physical Review B*, **2004**, 70,	3.3	42

163	Valence change of praseodymium in Pr0.5Ca0.5CoO3 investigated by x-ray absorption spectroscopy. *Physical Review B*, **2011**, 84,	3.3	41
162	Enhanced ferromagnetic interactions in electron doped NdxSr2−xFeMoO6double perovskites. *Journal of Physics Condensed Matter*, **2004**, 16, 3173-3182	1.8	41
161	Phase coexistence, magnetic inhomogeneity, and disorder in the charge-ordered state of Pr2/3Ca1/3MnO3. *Physical Review B*, **2000**, 62, 3381-3388	3.3	40
160	Room Temperature Structural and Microstructural Study for the Magneto-Conducting La5/8-xPrxCa3/8MnO3 (0? x? 5/8) Series. *Chemistry of Materials*, **2003**, 15, 167-174	9.6	38
159	Taking steps forward in understanding the electrochemical behavior of Na2Ti3O7. *Journal of Materials Chemistry A*, **2015**, 3, 22280-22286	13	37
158	Room temperature charge and orbital ordering and phase coexistence in Bi0.5Sr0.5MnO3. *Journal of Physics Condensed Matter*, **2001**, 13, 1071-1078	1.8	37
157	Neutron and X-ray diffraction study of ferrite nanocrystals obtained by microwave-assisted growth. A structural comparison with the thermal synthetic route. *Journal of Applied Crystallography*, **2014**, 47, 414-420	3.8	36
156	Selective spin-state and metal□nsulator transitions in GdBaCo2O5.5. *Journal of Solid State Chemistry*, **2003**, 171, 349-352	3.3	36
155	Assessing Si-based anodes for Ca-ion batteries: Electrochemical decalciation of CaSi2. *Electrochemistry Communications*, **2016**, 66, 75-78	5.1	36
154	Charge and orbital order in rare-earth and Bi manganites: a comparison. *Journal of Solid State Chemistry*, **2003**, 171, 84-89	3.3	35
153	Tetragonal to monoclinic transition in the metallic antiferromagnet Pr0.5Sr0.5MnO3. *Physical Review B*, **1999**, 60, R9889-R9892	3.3	35
152	Confinement generates single-crystal aragonite rods at room temperature. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 7670-7675	11.5	35
151	Ferromagnetic coupling in NdxCa2□FeMoO6 double perovskites: Dominant band-filling effects. *Physical Review B*, **2004**, 70,	3.3	34
150	Role of A-site cations in the metal-insulator transition in Pr0.5Ca0.5CoO3□(□). *Physical Review B* , **2010**, 81,	3.3	33
149	Structure, chemical stability and mixed proton□electron conductivity in BaZr0.9□PrxGd0.1O3□. *Journal of Power Sources*, **2011**, 196, 9141-9147	8.9	32
148	Strain-Engineered Ferromagnetism in LaMnO3 Thin Films. *Crystal Growth and Design*, **2015**, 15, 5332-5337	3.5	31
147	DAJUST: a suite of computer programs for pattern matching, space-group determination and intensity extraction from powder diffraction data. *Journal of Applied Crystallography*, **2012**, 45, 844-848	3.8	30
146	Avalanches, irreversibility, and phase separation in Co-substituted Pr0.50Ca0.50Mn1−□CoxO3. *Physical Review B*, **2006**, 74,	3.3	30

145	Band filling versus bond bending in substituted LxSr2FeMoO6 (L=Ca, La, Nd) compounds. *Journal of Applied Physics*, **2004**, 95, 7082-7084	2.5	30
144	New rare earth hafnium oxynitride perovskites with photocatalytic activity in water oxidation and reduction. *Chemical Communications*, **2018**, 54, 1525-1528	5.8	28
143	Aging of Sr2FeMoO6 and related oxides. *Materials Research Bulletin*, **2003**, 38, 1477-1486	5.1	27
142	Numerical signs for a transition in the two-dimensional random field Ising model at T=0. *Physical Review E*, **1999**, 59, R1295-R1298	2.4	27
141	Exploring a novel preparation method of 1D metal organic frameworks based on supercritical CO2. *Dalton Transactions*, **2015**, 44, 7548-53	4.3	26
140	Electrochemical calcium extraction from 1D-CaCoO. *Dalton Transactions*, **2018**, 47, 11298-11302	4.3	26
139	Magnetic properties of Bi0.75Sr0.25MnO3 (x,TCO=600K): Ferromagnetism and charge order. *Physical Review B*, **2005**, 72,	3.3	26
138	Enhanced stability of charge-order in underdoped Bi0.75Sr0.25MnO3. *Solid State Communications*, **2003**, 125, 277-280	1.6	26
137	Charge and Zener polaron order in Bi0.75Sr0.25MnO3. *Physical Review B*, **2003**, 68,	3.3	24
136	Configurational disorder and magnetism in double perovskites: A Monte Carlo simulation study. *Physical Review B*, **2004**, 69,	3.3	23
135	Dependence of the physical properties of Nd0.5Ca0.5MnO3+ on the oxidation state of Mn. *Physical Review B*, **2000**, 62, 3002-3005	3.3	23
134	Monte Carlo study of the growth of L12-ordered domains in fcc A3B binary alloys. *Physical Review B* , **1997**, 55, 212-225	3.3	22
133	Self-Arranged Misfit Dislocation Network Formation upon Strain Release in La0.7Sr0.3MnO3/LaAlO3(100) Epitaxial Films under Compressive Strain. *ACS Applied Materials & Interfaces*, **2016**, 8, 16823-32	9.5	21
132	Hidden Magnetic States Emergent Under Electric Field, In A Room Temperature Composite Magnetoelectric Multiferroic. *Scientific Reports*, **2017**, 7, 15460	4.9	20
131	Strain-induced perpendicular magnetic anisotropy in La2CoMnO6 thin films and its dependence on film thickness. *Physical Review B*, **2016**, 93,	3.3	19
130	Efficient Algorithm for Finding Ground-States in the Random Field Ising Model with an External Field. *Journal of Computational Physics*, **2000**, 160, 117-125	4.1	19
129	Engineering the microstructure and magnetism of La2CoMnO6 thin films by tailoring oxygen stoichiometry. *Applied Physics Letters*, **2014**, 105, 242401	3.4	18
128	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	3.8	18

127	FullProf as a new tool for flipping ratio analysis: further improvements. *Physica B: Condensed Matter* , **2004**, 350, E731-E733	2.8	18
126	Monte Carlo study of the relation between vacancy diffusion and domain growth in two-dimensional binary alloys. *Physical Review B*, **1993**, 48, 9321-9326	3.3	18
125	Anisotropic sensor and memory device with a ferromagnetic tunnel barrier as the only magnetic element. *Scientific Reports*, **2018**, 8, 861	4.9	17
124	Isothermal anisotropic magnetoresistance in antiferromagnetic metallic IrMn. *Scientific Reports*, **2016**, 6, 35471	4.9	17
123	Study of sodium manganese fluorides as positive electrodes for Na-ion batteries. *Solid State Ionics*, **2015**, 278, 106-113	3.3	16
122	Consequences of embedding Ti4+ 3d0 centers in Pr0.50Ca0.50MnO3: Phase competition in Pr0.50Ca0.50Mn1TixO3. *Physical Review B*, **2010**, 81,	3.3	16
121	Dielectric properties of Bi1SrxMnO3 (x=0.40,0.50) manganites: Influence of room temperature charge order. *Journal of Applied Physics*, **2009**, 105, 084116	2.5	15
120	Magnetoresistive oxides: new developments and applications. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 98-104	2.8	15
119	Comment on "Kinetics of spinodal decomposition in the Ising model with vacancy diffusion". *Physical Review B*, **1996**, 53, 2886-2889	3.3	15
118	Increasing the Curie temperature of Ca2FeMoO6double perovskite by introducing near-neighbour antiferromagnetic interactions. *Journal of Physics Condensed Matter*, **2005**, 17, 8037-8047	1.8	14
117	A new approach to increase the Curie temperature of FeMo double perovskites. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 126, 139-142	3.1	14
116	On the Study of Ca and Mg Deintercalation from Ternary Tantalum Nitrides. *ACS Omega*, **2019**, 4, 8943-8952	3.5	13
115	The instrumental resolution of a moire extensometer in light of its recent automatisation. *Measurement: Journal of the International Measurement Confederation*, **2016**, 91, 258-265	4.6	13
114	Magnetic anisotropy and valence states in La2Co1Mn1+xO6 (x0.23) thin films studied by x-ray absorption spectroscopy techniques. *Physical Review B*, **2017**, 95,	3.3	13
113	Obtaining the structure factors for an epitaxial film using Cu X-ray radiation. *Journal of Applied Crystallography*, **2013**, 46, 1749-1754	3.8	13
112	Simultaneous para-ferrimagnetic, metal-insulator, and orthorhombic-monoclinic transitions in YBaCo2O5.50. *Physical Review B*, **2010**, 81,	3.3	13
111	Cation order enhancement in Sr2FeMoO6 by water-saturated hydrogen reduction. *Journal of the European Ceramic Society*, **2011**, 31, 121-127	6	13
110	Effect of cation site-disorder on the structure and magneto-transport properties of Ln5/8M3/8MnO3 manganites. *Journal of Solid State Chemistry*, **2005**, 178, 1949-1958	3.3	13

109	Electronic self-doping of Mo states in A2FeMoO6 (A=Ca, Sr, and Ba) half-metallic ferromagnets: A nuclear magnetic resonance study. *Physical Review B*, **2005**, 71,	3.3	13
108	Chemical Heterogeneity in a Single Phase: Bi0.15Ca0.85MnO3, a Case Example of Macroscopic Phase Segregation. *Chemistry of Materials*, **2000**, 12, 3648-3657	9.6	13
107	Band structure of CuMnAs probed by optical and photoemission spectroscopy. *Physical Review B*, **2018**, 97,	3.3	12
106	A new intermediate intercalate in superconducting sodium-doped hafnium nitride chloride. *Chemical Communications*, **2005**, 3352-4	5.8	12
105	Spin state transition: the origin of structural, magnetic and metal□nsulator transitions in GdBaCo2O5+□ (□□0.5). *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 751-753	2.8	12
104	Neutron-diffraction study of magnetization avalanches in Pr0.50Ca0.50Mn1□NixO3. *Journal of Applied Physics*, **2005**, 97, 10H701	2.5	12
103	Structural, spin state, and magnetic transitions in GdBaCo2O5+□ (□□0.5). *Journal of Alloys and Compounds*, **2001**, 323-324, 468-471	5.7	12
102	Antiphase domain growth in BCC metallic alloys via vacancies. *European Physical Journal B*, **1994**, 96, 79-86	1.2	12
101	Topochemical synthesis of cation ordered double perovskite oxynitrides. *Dalton Transactions*, **2017**, 46, 5128-5132	4.3	11
100	Effect of the vacancy interaction on antiphase domain growth in a two-dimensional binary alloy. *Physical Review B*, **1997**, 56, 5261-5270	3.3	11
99	Short- and Long-Range Orbital Order in Phase Separated Pr0.50Ca0.50Mn0.99Ti0.01O3: Its Role in Thermal Hysteresis. *Chemistry of Materials*, **2008**, 20, 3068-3075	9.6	11
98	Relevance of solid solution randomness for long-range phase separation in highly correlated oxides. *Europhysics Letters*, **2008**, 84, 67011	1.6	11
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	High magnetic field study of HoBaCo2O5.5 and GdBaCo2O5.5 layered cobaltites: the effect of rare-earth size. *Physica B: Condensed Matter*, **2004**, 346-347, 246-249	2.8	11
95	Studying avalanches in the ground state of the two-dimensional random-field ising model driven by an external field. *Physical Review E*, **2000**, 62, 7470-3	2.4	11
94	Application of synchrotron through-the-substrate microdiffraction to crystals in polished thin sections. *IUCrJ*, **2015**, 2, 452-63	4.7	11
93	Structure of epitaxial SrIrO3 perovskite studied by interference between X-ray waves diffracted by the substrate and the thin film. *Journal of Applied Crystallography*, **2017**, 50, 385-398	3.8	10
92	Spontaneous cationic ordering in chemical-solution-grown La2CoMnO6 double perovskite thin films. *NPG Asia Materials*, **2019**, 11,	10.3	10

91	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, 891-8	2.4	10
90	Neutron Powder Diffraction Studies of Magnetic Quasi-degenerated Oxides with Competing Degrees of Freedom. *Neutron News*, **2010**, 21, 15-19	0.4	10
89	Study of the oxygen-deficient double perovskite PrBaCo2O5.75. *Physica B: Condensed Matter*, **2004**, 350, E277-E279	2.8	10
88	Electronic and magnetic transitions in Bi□Sr□Mn□ oxides: high temperature charge-ordering. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 645-647	2.8	10
87	□Avalanches□in the ground state of the 3D Gaussian random field Ising model driven by an external field. *Computer Physics Communications*, **2002**, 147, 455-458	4.2	10
86	Calculating flux to predict future cave radon concentrations. *Journal of Environmental Radioactivity*, **2016**, 157, 16-26	2.4	10
85	Emission colour tuning through coupled N/La introduction in Sr2SiO4:Eu2+. *Journal of Materials Chemistry C*, **2015**, 3, 11471-11477	7.1	9
84	Application of the constrained S-FFT direct-phasing method to powder diffraction data. XIII. *Journal of Applied Crystallography*, **2007**, 40, 1035-1038	3.8	9
83	Magnetic and electronic properties of the oxygen-deficient PrBaCo2O5+□ (□>0.50). *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1762-1763	2.8	9
82	Appraisal of calcium ferrites as cathodes for calcium rechargeable batteries: DFT, synthesis, characterization and electrochemistry of CaFeO. *Dalton Transactions*, **2020**, 49, 2671-2679	4.3	9
81	Nonstoichiometry Driven Ferromagnetism in Double Perovskite La2Ni1□Mn1+xO6 Insulating Thin Films. *Crystal Growth and Design*, **2019**, 19, 2765-2771	3.5	8
80	Synthesis of dry SmCl3 from Sm2O3 revisited. Implications for the encapsulation of samarium compounds into carbon nanotubes. *Polyhedron*, **2016**, 116, 116-121	2.7	8
79	On the viability of Mg extraction in MgMoN: a combined experimental and theoretical approach. *Physical Chemistry Chemical Physics*, **2017**, 19, 26435-26441	3.6	8
78	The effect of oxygen disorder on magnetic properties of PrBaCo2O5.50layered cobaltite. *Journal of Physics Condensed Matter*, **2008**, 20, 104228	1.8	8
77	Effects of d0 substitution on phase competition in Pr0.50Ca0.50Mn1□TixO3. *Journal of Applied Physics*, **2008**, 103, 07F719	2.5	8
76	Crystal structures of superconducting sodium intercalates of hafnium nitride chloride. *Materials Research Bulletin*, **2006**, 41, 934-940	5.1	8
75	H□T diagrams of Ln1□CaxMnO3 (x=1/2, 1/3) in pulsed fields up to 50 T. *Journal of Applied Physics*, **1999**, 85, 5570-5572	2.5	8
74	Aqueous Chemical Solution Deposition of Functional Double Perovskite Epitaxial Thin Films. *Chemistry - A European Journal*, **2020**, 26, 9338-9347	4.8	7

73	Comparison of the local and the average crystal structure of proton conducting lanthanum tungstate and the influence of molybdenum substitution. *Dalton Transactions*, **2016**, 45, 3791-7	4.3	7
72	A contactless positioning system for monitoring discontinuities in three dimensions with geological and geotechnical applications. *Review of Scientific Instruments*, **2017**, 88, 074501	1.7	7
71	Magnetic, structural properties and B-site order of two epitaxial La2CoMnO6films with perpendicular out-of-plane orientation. *Journal of Physics: Conference Series*, **2010**, 200, 092002	0.3	7
70	Ferromagnetic coupling strength and electron-doping effects in double perovskites. *Journal of Magnetism and Magnetic Materials*, **2005**, 290-291, 974-980	2.8	7
69	Magnetism and vacancy ordering in PrBaCo2O5+ (?0.50). *Journal of Applied Physics*, **2005**, 97, 10C106	2.5	7
68	Stability of charge-ordering and H T diagrams of Ln1 CaxMnO3 manganites in pulsed magnetic field up to 50 T. *Journal of Magnetism and Magnetic Materials*, **2000**, 211, 128-132	2.8	7
67	Computer studies of the 2D random field Ising model at T=0. *Computer Physics Communications*, **1999**, 121-122, 188-190	4.2	7
66	Sequential partitioning: An alternative to understanding size distributions of avalanches in first-order phase transitions. *Physical Review E*, **1995**, 52, 5671-5674	2.4	7
65	Nitride tuning of lanthanide chromites. *Chemical Communications*, **2016**, 52, 4317-20	5.8	6
64	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	2.2	6
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62	Spin state and magnetic interactions of in. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, e731-e733	2.5	6
61	Charge localization and magnetic dynamics in ferromagnetic and charge-ordered manganites. *Journal of Applied Physics*, **1999**, 85, 5639-5641	2.5	6
60	Local manipulation of metamagnetism by strain nanopatterning. *Materials Horizons*, **2020**, 7, 2056-2062	14.4	5
59	Crystal Growth Mechanisms of BiFeO Nanoparticles. *Inorganic Chemistry*, **2019**, 58, 11364-11371	5.1	5
58	Growth kinetics engineered magnetoresistance response in La2/3Sr1/3MnO3 thin films. *Applied Physics Letters*, **2014**, 104, 152406	3.4	5
57	Anomalously high charge/orbital ordering temperature in Bi0.5Sr0.5MnO3. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s1787-s1789	2.6	5
56	Magnetism in the low-doping regime (x. *Journal of Applied Physics*, **2005**, 97, 10C105	2.5	5

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54	Reply to Comment on Tetragonal to monoclinic transition in the metallic antiferromagnet Pr0.5Sr0.5MnO3 *Physical Review B*, **2000**, 62, 6822-6824	3.3	5
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52	Low temperature synthesis and characterization of NaM(O)F phases with M=Ti, V. *Journal of Solid State Chemistry*, **2015**, 226, 286-294	3.3	4
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50	Charge and Zener polaron order in Bi0.75Sr0.25MnO3: a comparison with Bi0.75Ca0.25MnO3. *Physica B: Condensed Matter*, **2004**, 350, 48-50	2.8	4
49	Magnetization and neutron diffraction studies on Sr2 CaxFeMoO6. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 852-854	2.8	4
48	Mechanism for Curie temperature variation in LaxSr2 FeMoO6 and CaxSr2 FeMoO6. *Physica B: Condensed Matter*, **2004**, 350, E285-E288	2.8	4
47	An Algorithm for Finding the First Excited State in the Random-Field Ising Model. *Journal of Computational Physics*, **2001**, 168, 219-226	4.1	4
46	Monte Carlo simulation of interface alloying. *Physical Review B*, **1995**, 51, 11369-11375	3.3	4
45	Possible scale invariant linear magnetoresistance in pyrochlore iridates Bi2Ir2O7. *New Journal of Physics*, **2019**, 21, 113041	2.9	4
44	Synthesis and characterization of a novel sodium transition metal oxyfluoride: NaMnMoO3F3 H2O. *Inorganic Chemistry*, **2013**, 52, 9791-7	5.1	3
43	Anomalous electronic and magnetic properties of the Eu2Ru2O7 pyrochlore. *Journal of Applied Physics*, **2013**, 113, 17E102	2.5	3
42	Cation order and structural transition in La2MnCoO6. *Journal of Physics: Conference Series*, **2011**, 325, 012007	0.3	3
41	Improving the direct-methods sign-unconstrained S-FFT algorithm. XV. *Acta Crystallographica Section A: Foundations and Advances*, **2009**, 65, 528-31		3
40	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, 670-4		3
39	Direct evidence for charge ordering and electronic phase separation in BixSr1 MnO3 at room temperature. *Physica B: Condensed Matter*, **2005**, 370, 172-177	2.8	3
38	Hole and Electron Doping in Bi1-xCaxMnO3(0 x 1) Investigated by Neutron and Synchrotron X-ray Diffraction. *Acta Crystallographica Section A: Foundations and Advances*, **2000**, 56, s69-s69		3

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