

Fernando Prado

List of Publications by Year in descending order

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papers

2,615
citations

218592

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docs citations

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times ranked

2411
citing authors

#	ARTICLE	IF	CITATIONS
1	High-temperature spin dynamics in CMR manganites: ESR and magnetization. <i>Physical Review B</i> , 1998, 58, 3233-3239.	1.1	249
2	Soft Chemistry Synthesis and Characterization of Layered $\text{Li}_{1-x}\text{Ni}_1-y\text{Co}_y\text{O}_2$ ($0 \leq x \leq 1$ and $0 \leq y \leq 1$). <i>Chemistry of Materials</i> , 2001, 13, 2951-2957.	3.2	168
3	Comparison of the chemical stability of the high energy density cathodes of lithium-ion batteries. <i>Electrochemistry Communications</i> , 2001, 3, 624-627.	2.3	162
4	EPR linewidths in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($0 < x < 1$). <i>Physical Review B</i> , 1999, 60, 12155-12161.	1.1	156
5	Characterization of $\text{GdBa}_{1-x}\text{Sr}_x\text{Co}_2\text{O}_{5+\delta}$ ($0 \leq x \leq 1.0$) Double Perovskites as Cathodes for Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2008, 155, B1023.	1.3	143
6	High Temperature Crystal Chemistry and Oxygen Permeation Properties of the Mixed Ionic-Electronic Conductors $\text{LnBaCo}_2\text{O}_{5+\delta}$ (Ln=Lanthanide). <i>Journal of the Electrochemical Society</i> , 2009, 156, B1376.	1.3	91
7	Electronic structure and metal-insulator transition in LaNiO_3 . <i>Physical Review B</i> , 2002, 65, .	1.1	89
8	Synthesis, crystal chemistry, and oxygen permeation properties of $\text{LaSr}_3\text{Fe}_3-x\text{Co}_x\text{O}_{10}$ ($0 \leq x \leq 1.5$). <i>Solid State Ionics</i> , 2001, 140, 89-96.	1.3	80
9	Discontinuous Evolution of the Highly Distorted Orthorhombic Structure and the Magnetic Order in LaMnO_3 Perovskite. <i>Journal of Solid State Chemistry</i> , 1999, 146, 418-427.	1.4	77
10	Phase equilibrium and electrical conductivity of $\text{SrCo}_{0.8}\text{Fe}_{0.2}\text{O}_{3+\delta}$. <i>Journal of Solid State Chemistry</i> , 2004, 177, 2350-2357.	1.4	74
11	Structural Stability and Oxygen Permeation Properties of $\text{Sr}_{3-x}\text{La}_x\text{Fe}_2\text{Co}_y\text{O}_{7+\delta}$ ($0 \leq x \leq 0.3$ and $0 \leq y \leq 1.0$). <i>Journal of the Electrochemical Society</i> , 2001, 148, J7.	1.3	73
12	ESR and magnetization in Jahn-Teller-distorted LaMnO_3 : Correlation with crystal structure. <i>Physical Review B</i> , 1999, 60, 10199-10205.	1.1	71
13	Electrode reaction of $\text{Sr}_{1-x}\text{La}_x\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3+\delta}$ with $x=0.1$ and 0.6 on $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ at $600 \leq T \leq 800$ °C. <i>Solid State Ionics</i> , 2006, 177, 907-913.	1.3	67
14	Effect of La^{3+} doping on the perovskite-to-brownmillerite transformation in $\text{Sr}_{1-x}\text{La}_x\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3+\delta}$ ($0 \leq x \leq 0.4$). <i>Solid State Ionics</i> , 2004, 167, 147-154.	1.3	62
15	Rate limiting steps of the porous $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3+\delta}$ electrode material. <i>Solid State Ionics</i> , 2009, 180, 1448-1452.	1.3	62
16	Comparison of the Chemical Stability of $\text{Li}_{1-x}\text{CoO}_2$ and $\text{Li}_{1-x}\text{Ni}_{0.85}\text{Co}_{0.15}\text{O}_2$ Cathodes. <i>Journal of Solid State Chemistry</i> , 2002, 163, 5-9.	1.4	59
17	Oxygen separation membranes based on intergrowth structures. <i>Solid State Ionics</i> , 2002, 152-153, 647-655.	1.3	59
18	Antisite defects versus grain boundary competition in the tunneling magnetoresistance of the $\text{Sr}_2\text{FeMoO}_6$ double perovskite. <i>Physical Review B</i> , 2004, 70, .	1.1	54

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19	Characterization of the Bismuth-Modified Manganese Dioxide Cathodes in Rechargeable Alkaline Cells. Journal of the Electrochemical Society, 2002, 149, A483.	1.3	49
20	Synthesis, Crystal Chemistry, and Electrical and Magnetic Properties of $\text{Sr}_3\text{Fe}_{2-x}\text{Co}_x\text{O}_7$ ($0 \leq x \leq 0.8$). Journal of Solid State Chemistry, 2001, 158, 307-314.	1.4	46
21	Sol-gel synthesis, phase relationships, and oxygen permeation properties of $\text{Sr}_4\text{Fe}_{6-x}\text{Co}_x\text{O}_{13}$ ($0 \leq x \leq 3$). Solid State Ionics, 2000, 130, 81-90.	1.3	45
22	Electronic structure of CaMnO_x with $2.66 < x < 3.00$ studied with photoemission and x-ray-absorption spectroscopy. Physical Review B, 1998, 58, 3755-3761.	1.1	42
23	Neutron powder diffraction study at high temperature of the Ruddlesden-Popper phase $\text{Sr}_3\text{Fe}_2\text{O}_6$. Solid State Ionics, 2007, 178, 77-82.	1.3	40
24	Oxygen order-disorder phase transition in layered $\text{GdBaCo}_2\text{O}_5$ perovskite: Thermodynamic and transport properties. Solid State Ionics, 2013, 240, 19-28.	1.3	39
25	High-temperature thermodynamic and transport properties of the mixed conductor. Journal of Solid State Chemistry, 2005, 178, 2715-2723.	1.4	33
26	Jahn-Teller effects on the superexchange interactions in LaMnO_3 . Journal of Magnetism and Magnetic Materials, 1999, 196-197, 506-508.	1.0	32
27	Synthesis, crystal chemistry and physical properties of the Ruddlesden-Popper phases $\text{Sr}_3\text{Fe}_{2-x}\text{Ni}_x\text{O}_7$ ($0 \leq x \leq 1.0$). Journal of Solid State Chemistry, 2005, 178, 1559-1568.	1.4	26
28	Oxygen Reduction Reaction on Ruddlesden-Popper Phases Studied by Impedance Spectroscopy. Journal of the Electrochemical Society, 2011, 158, B202.	1.3	26
29	High temperature thermodynamic properties, orthorhombic/tetragonal transition and phase stability of $\text{GdBa}_2\text{Cu}_3\text{O}_y$ and related R123 compounds. Physica C: Superconductivity and Its Applications, 1998, 295, 235-246.	0.6	23
30	Synthesis method, control of cationic composition and superconducting behavior of $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{Cu}_1\text{O}_y$. Physica C: Superconductivity and Its Applications, 1995, 253, 339-350.	0.6	20
31	XPS and XAS spectra of CaMnO_3 and LaMnO_3 . Physica B: Condensed Matter, 2002, 320, 51-55.	1.3	20
32	Mn-2p XPS spectra of differently hole-doped Mn perovskites. Solid State Communications, 2002, 123, 81-85.	0.9	20
33	Defect Structure and Electrical Conductivity of the Ruddlesden-Popper Phases Sr_3FeMO_6 ($M = \text{Co}$). Tj ETQq1 1.0,784314,rgBT /Ove	3.2	26
34	Phase diagram of low doping manganites. Physica B: Condensed Matter, 2000, 289-290, 85-88.	1.3	19
35	Electronic structure and band gap of the negative charge-transfer material $\text{Sr}_3\text{Fe}_2\text{O}_7$. Solid State Communications, 2004, 129, 113-116.	0.9	19
36	High temperature properties of the $n=2$ Ruddlesden-Popper phases $(\text{La,Sr})_3(\text{Fe,Ni})_2\text{O}_7$. Solid State Ionics, 2006, 177, 1807-1810.	1.3	17

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37	Thermogravimetric study of the reduction step in Nd _{1.85} Ce _{0.15} Cu _{1.01} O _y as a function of the oxygen partial pressure. Solid State Communications, 1995, 94, 75-80.	0.9	16
38	On the role of the reduction step in Nd _{1.85} Ce _{0.15} Cu _{1±1} O _y : a study of thermodynamic properties and electrical resistivity at high temperature. Physica C: Superconductivity and Its Applications, 1999, 313, 271-280.	0.6	15
39	Comment on "Magnetoresistance and phase composition of La-Sn-Mn-O systems". Physical Review B, 2000, 62, 6825-6826.	1.1	15
40	Electronic structure of the two-dimensional negative charge-transfer material Sr ₃ FeMO ₇ (M=Fe, Co). Physical Review B, 2005, 71, .	1.1	15
41	Stabilization of the cubic perovskite in the system La _{1-x} Ba _x Co _{1-y} Fe _y O _{3±1} (0.7≤x≤0.9) and its electrochemical performance as cathode materials for intermediate-temperature solid oxide fuel cells. Journal of Power Sources, 2014, 247, 264-272.	4.0	15
42	Comparative study of the unoccupied electronic structure of La _{1-x} CaxMnO ₃ and LaMnO _{3±1} using O 1s X-ray absorption spectroscopy. Solid State Communications, 1999, 111, 437-441.	0.9	14
43	Influence of Sr-content in YBa _{2-x} Sr _x Cu ₃ O _y formation and superconductivity. Physica C: Superconductivity and Its Applications, 1994, 235-240, 469-470.	0.6	13
44	Copper content and superconductivity of Nd _{1.85} Ce _{0.15} Cu _{1±1} O _y . Solid State Communications, 1994, 90, 695-699.	0.9	13
45	Two-phase field at high temperature in LaMnO _{3.00} . Journal of Magnetism and Magnetic Materials, 1999, 196-197, 481-483.	1.0	13
46	Effects of Ga substitution on the high temperature properties of the n=3 Ruddlesden Popper system LaSr ₃ Fe _{1.5-x/2} Co _{1.5-x/2} GaxO _{10±1} (0≤x≤0.8). Solid State Ionics, 2011, 192, 241-244.	1.3	13
47	Synthesis, crystal chemistry, and electrical, oxygen permeation, and magnetic properties of LaSr ₃ GaFe _{2-x/2} CoxO _{10±1} (0≤x≤2 and 0≤1±1≤2). Journal of Materials Chemistry, 2002, 12, 2390-2395.	6.7	11
48	Magnetic phase coexistence in CMR manganites: ESR evidence. Physica B: Condensed Matter, 2004, 354, 55-58.	1.3	11
49	Photocurrents in SnO ₂ films due to desorption of oxygen. Journal of Physics Condensed Matter, 1993, 5, A351-A352.	0.7	9
50	Physical properties of non-stoichiometric oxides. Journal of Thermal Analysis and Calorimetry, 2006, 83, 507-518.	2.0	8
51	Physicochemical properties of non-stoichiometric oxides. Journal of Thermal Analysis and Calorimetry, 2011, 103, 597-606.	2.0	8
52	High temperature crystal chemistry of the n=3 Ruddlesden "Popper phase LaSr ₃ Fe _{1.5} Co _{1.5} O _{10±1} . Solid State Ionics, 2015, 270, 54-60.	1.3	8
53	A High Temperature Study on the Structure, Linear Expansion, Thermodynamic Stability and Electrical Properties of the BaCe _{0.8} Pr _{0.2} O _{3±1} Perovskite. Journal of the Electrochemical Society, 2016, 163, F516-F522.	1.3	8
54	Copper content and superconductivity of Nd _{1.85} Ce _{0.15} Cu _{1±1} O _y and Sm _{1.85} Ce _{0.15} Cu _{1±1} O _y . Physica C: Superconductivity and Its Applications, 1994, 235-240, 785-786.	0.6	7

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55	Oxygen content influence in the superconducting and electronic properties of Nd _{1.85} Ce _{0.15} Cu _{1.01} O _y ceramics. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 580-583.	2.8	7
56	Copper nonstoichiometry at high temperatures in Nd _{1.85} Ce _{0.15} Cu ₁ Â±Î´O _y . <i>Physica C: Superconductivity and Its Applications</i> , 1996, 273, 163-176.	0.6	6
57	Oxygen non-stoichiometry of Nd _{1.85} Ce _{0.15} Cu ₁ +Î´O _y as a function of Î´ and its relation with the superconducting properties. <i>Journal of Thermal Analysis</i> , 1997, 48, 1027-1038.	0.7	6
58	On the solubility of Sn in the LaMnO _y perovskite. <i>Journal of Alloys and Compounds</i> , 2000, 302, 59-64.	2.8	6
59	Physicochemical properties of non-stoichiometric oxides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 781-788.	2.0	6
60	Effects of the electrode configuration, phase relationship and microstructure on the polarization resistance of La _{0.3} Ba _{0.7} CoO ₃ âˆ†Î´ as cathode material for IT-SOFC. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 8738-8743.	3.8	6
61	X-ray absorption study of the Fe and Mo valence states in Sr ₂ FeMoO ₆ . <i>Journal of Alloys and Compounds</i> , 2015, 640, 511-516.	2.8	6
62	Study of the Electrode Polarization Resistance of Cobaltites with High Ba Content as Cathode for IT-SOFC. <i>Journal of the Electrochemical Society</i> , 2017, 164, F759-F767.	1.3	5
63	Electronic structure of the negative charge-transfer material Sr ₃ FeMO ₇ (M=Fe, Co, Ni). <i>Physica B: Condensed Matter</i> , 2004, 354, 7-10.	1.3	4
64	Electrochemical response of several cathode configurations prepared with Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ -Î´ and Ce _{0.9} Gd _{0.1} O _{1.95} for IT-SOFC. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1633-1643.	1.2	4
65	NIR-Reflective and Hydrophobic Bio-Inspired Nano-Holed Configurations on Titanium Alloy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5843-5855.	4.0	4
66	Bulk-sensitive Mo 4d electronic structure of Sr ₂ FeMoO ₆ probed by high-energy Mo L ₃ resonant photoemission. <i>Europhysics Letters</i> , 2017, 118, 37002.	0.7	3
67	Oxygen content, microstructure and T _c variation of La _{1.84} Sr _{0.16} CuO _y . <i>Solid State Communications</i> , 1993, 88, 355-359.	0.9	2
68	Phenomenological analysis of phase coexistence in La _{0.75} Ca _{0.25} MnO ₃ . <i>Physica B: Condensed Matter</i> , 2006, 384, 44-46.	1.3	2
69	Electrochemical Characterization of the n = 2 Ruddlesden-Popper Sr ₃ FeMO ₆ +Î´ (M = Fe, Co, Ni) Phases by Electrochemical Impedance Spectroscopy. <i>ECS Transactions</i> , 2007, 6, 233-243.	0.3	2
70	Magnetization and specific heat of La doped Sr ₂ FeMoO ₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 857-858.	1.0	1
71	Effect of Nb ⁵⁺ content on the high temperature properties of the mixed conductors system La _{1-x} Ba _x Co _{1-y} Nb _y O ₃ âˆ†Î´ with 0.6 â‰ˆ x â‰ˆ 1.0 and 0 â‰ˆ y â‰ˆ 0.4. <i>Solid State Ionics</i> , 2017, 300, 140-148.	1.3	1