Inmaculada Ãlvarez-Serrano

List of Publications by Year
in descending order

46 papers	393 citations	759233 12 h-index	940533 16 g-index
50 all docs	50 docs citations	50 times ranked	585 citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic behaviour governed by Co spin transitions in LaCo_{1â^’<i>x</i>}Ti_{<i>x</i>}O₃(0 â©½<i>x</i>â©½ 0.5) perovskite oxides. Journal Physics D: Applied Physics, 2008, 41, 195001.	2.8	20
2	Structural and dielectric characterization of new lead-free perovskites in the (SrTiO3)â€“(BiFeO3) system. Ceramics International, 2016, 42, 8962-8973.	4.8	19
3	Î´â€•MnO₂ Nanofibers: A Promising Cathode Material for New Aluminumâ€•Ion Batteries. ChemElectroChem, 2020, 7, 2102-2106.	3.4	19
4	New mortars fabricated by electrostatic dry deposition of nano and microsilica additions: Enhanced properties. Construction and Building Materials, 2017, 135, 186-193.	7.2	18
5	Structural characterization, electric and magnetic behaviour of Zn-doped manganites. Solid State Sciences, 2004, 6, 1321-1326.	3.2	17
6	CMR in a manganite with 50% of Ti in the Mn sites. Solid State Sciences, 2006, 8, 37-43.	3.2	16
7	Dielectric response and thermistor behavior of lead-free x NaNbO3 - (1-x) BiFeO3 electroceramics. Ceramics International, 2018, 44, 18560-18570.	4.8	16
8	Microstructural Origin of Magnetic and Giant Dielectric Behavior of Sr₂MnTiO_{6â^’Î´} Perovskite Nanocrystals. Journal of the American Ceramic Society, 2010, 93, 2311-2319.	3.8	15
9	Eco-Friendly Cavity-Containing Iron Oxides Prepared by Mild Routes as Very Efficient Catalysts for the Total Oxidation of VOCs. Materials, 2018, 11, 1387.	2.9	15
10	Transport properties of new Ti manganites: Sr2â^’xLaxMnTiO6(0.25 â‰¤xâ‰¤ 1). Journal Physics D: Applied Physics, 2007, 40, 3016-3023.	2.8	12
11	Room temperature electroresistance in Sr2â^’xGdxMnTiO6 perovskites (0â‰¤xâ‰¤1). Journal of Alloys and Compounds, 2011, 509, 4917-4923.	5.5	12
12	Tunable Ferrites as Environmentally Friendly Materials for Energyâ€•Efficient Processes. Advanced Materials, 2011, 23, 5237-5242.	21.0	12
13	Role of morphology in the performance of LiFe0.5Mn1.5O4spinel cathodes for lithium-ion batteries. Dalton Transactions, 2014, 43, 14787-14797.	3.3	12
14	New Fe2O3-Clay@C Nanocomposite Anodes for Li-Ion Batteries Obtained by Facile Hydrothermal Processes. Nanomaterials, 2018, 8, 808.	4.1	12
15	New dielectric anomalies in the A-site highly deficient NaxNbO3 electroceramics. Ceramics International, 2020, 46, 16770-16780.	4.8	12
16	Stable Manganeseâ€•Oxide Composites as Cathodes for Znâ€•Ion Batteries: Interface Activation from In Situ Layer Electrochemical Deposition under 2ÂV. Advanced Materials Interfaces, 2022, 9, .	3.7	12
17	Non-symmetric superparamagnetic clusters in the relaxor manganites Sr2â^’xBixMnTiO6 (0 â‰ x â‰ 0.75). Journal of Materials Chemistry, 2012, 22, 11826.	6.7	11
18	Lithium-ion full cell battery with spinel-type nanostructured electrodes. Nano Structures Nano Objects, 2017, 11, 88-93.	3.5	11

#	Article	IF	Citations
19	Ni Supported on Natural Clays as a Catalyst for the Transformation of Levulinic Acid into Î³-Valerolactone without the Addition of Molecular Hydrogen. Energies, 2020, 13, 3448.	3.1	10
20	Oriented nanocrystals in SrLaMnTiO6 perovskite thin films grown by pulsed laser deposition. Journal of Alloys and Compounds, 2011, 509, 1457-1462.	5.5	8
21	Dielectric response of ceramic Sr2âˆ’xBixTi2âˆ’xFexO6 (0â‰xâ‰1.5) perovskites. Journal of Physics and Chemistry of Solids, 2015, 81, 40-49.	4.0	8
22	Green synthesis of cavity-containing manganese oxides with superior catalytic performance in toluene oxidation. Applied Catalysis A: General, 2019, 582, 117107.	4.3	8
23	Î³-valerolactone from levulinic acid and its esters: Substrate and reaction media determine the optimal catalyst. Applied Catalysis A: General, 2021, 623, 118276.	4.3	8
24	Low temperature conversion of levulinic acid into Î³-valerolactone using Zn to generate hydrogen from water and nickel catalysts supported on sepiolite. RSC Advances, 2020, 10, 20395-20404.	3.6	7
25	Exploring multiferroicity in BiFeO3 - NaNbO3 thermistor electroceramics. Journal of the European Ceramic Society, 2021, 41, 7069-7076.	5.7	7
26	Random spin configurations of Co cations in LaCo1âˆ’xMgxO3 (0<xâ‰0.20) perovskite oxides: Magnetic and transport properties. Materials Chemistry and Physics, 2010, 120, 387-392.	4.0	6
27	Sol-gel synthesis, magnetic and methylene blue adsorption properties of lamellar iron monophosphate KMgFe(PO4)2. Inorganic Chemistry Communication, 2020, 121, 108217.	3.9	6
28	Tuning magnetic critical behaviour in Ti-manganites by doping with vacancies in A-sites: Sr1âˆ’â–¡ LaMnTiO6âˆ’ (0 <xâ‰ 0.15). Materials Chemistry and Physics, 2011, 130, 280-284.	4.0	5
29	Enhancement of localization phenomena driven by covalency in the SrBiMn1.75Ti0.25O6 manganite. Journal of Alloys and Compounds, 2012, 522, 123-129.	5.5	5
30	Electrochemical performance of Li(4âˆ’x)/3Mn(5âˆ’2x)/3FexO4 (x = 0.5 and x = 0.7) spinels: effect of microstructure and composition. Dalton Transactions, 2013, 42, 9990.	3.3	5
31	Nanoparticulated spinel-type iron oxides obtained in supercritical water and their electrochemical performance as anodes for Li ion batteries. Journal of Alloys and Compounds, 2017, 695, 3239-3248.	5.5	5
32	Structural Characterization and Evolution of the Electronic Behavior of New Sr2âˆ’xGdxMnTiO6 (0â‰xâ‰1) Perovskites. Journal of the American Ceramic Society, 2011, 94, 269-276.	3.8	4
33	Versatile electronic behavior of the LixMn3âˆ’xâˆ’yFeyO4 spinels. Journal of Alloys and Compounds, 2013, 577, 269-277.	5.5	4
34	Influence of particle sizes on the electronic behavior of ZnxCo1âˆ’xFe2O4 spinels (x=0.2,0.3). Journal of Alloys and Compounds, 2014, 601, 130-139.	5.5	4
35	Crystal structure and MÃ¶ssbauer spectroscopy of a new iron phosphate Mg2.88Fe4.12(PO4)6. Journal of Alloys and Compounds, 2014, 584, 625-630.	5.5	4
36	Synthesis and transport properties of p -type lead-free AgSn m SbSe 2 Te m thermoelectric systems. Materials Chemistry and Physics, 2018, 211, 321-328.	4.0	4

#	Article	IF	Citations
37	AgSn[Bi1âˆ’xSbx]Se3: Synthesis, Structural Characterization, and Electrical Behavior. Crystals, 2021, 11, 864.	2.2	4
38	Influence of MnO2-Birnessite Microstructure on the Electrochemical Performance of Aqueous Zinc Ion Batteries. Applied Sciences (Switzerland), 2022, 12, 1176.	2.5	4
39	Characterization of nanoparticulated phases in the manganese oxo/hydroxide system obtained in supercritical water: Optimized conditions for selected compositions. Journal of Supercritical Fluids, 2013, 78, 21-27.	3.2	3
40	Characterization of SrBiMn2âˆ’xTixO6 perovskites: Local ordering influence on the dielectric and magnetic response. Ceramics International, 2016, 42, 11889-11900.	4.8	3
41	Assessing the Electrochemical Performance of Different Nanostructured CeO2 Samples as Anodes for Lithium-Ion Batteries. Applied Sciences (Switzerland), 2022, 12, 22.	2.5	3
42	Mapping Chemical Disorder and Ferroelectric Distortions in the Double Perovskite Compound Sr2-xGdxMnTiO6 by Atomic Resolution Electron Microscopy and Spectroscopy. Microscopy and Microanalysis, 2014, 20, 731-739.	0.4	2
43	Substrate-induced dielectric polarization in thin films of lead-free (Sr 0.5 Bi 0.5) 2 Mn 2-x Ti x O 6-Î´ perovskites grown by pulsed laser deposition. Applied Surface Science, 2017, 399, 387-395.	6.1	2
44	Synthesis, crystal structure and charge-distribution validation of a new alluaudite-type phosphate, Na_{2.22}Mn_{0.87}In_{1.68}(PO₄)₃. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1369-1372.	0.5	2
45	Focusing on Relevant Features Governing the Electrochemical Behavior of Li (4â€•x)/3 Ti (5â€2 x)/3 Cr x O 4 Electrode Material. ChemElectroChem, 2018, 5, 1559-1568.	3.4	1
46	Structural and electrical properties of cobalt-doped 4H- $mathrm{SrMnO}_{3-delta}$ SrMnO 3 - Î´ perovskites obtained by the hydrothermal method. European Physical Journal Plus, 2018, 133, 1.	2.6	0