

Jaime Osorio

List of Publications by Year in descending order

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31
papers

391
citations

933447

10
h-index

752698

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all docs

31
docs citations

31
times ranked

768
citing authors

#	ARTICLE	IF	CITATIONS
1	CH ₃ NH ₃ Ca ₃ Perovskite: Synthesis, Characterization, and First-Principles Studies. Journal of Physical Chemistry C, 2016, 120, 16393-16398.	3.1	67
2	Substrate dependence of magnetic properties of La _{0.67} Ca _{0.33} MnO ₃ films. Journal of Magnetism and Magnetic Materials, 2001, 237, 61-68.	2.3	57
3	Silver Nanoparticles Obtained by Aqueous or Ethanolic Aloe vera Extracts: An Assessment of the Antibacterial Activity and Mercury Removal Capability. Journal of Nanomaterials, 2018, 2018, 1-7.	2.7	41
4	Mercury removal in wastewater by iron oxide nanoparticles. Journal of Physics: Conference Series, 2016, 687, 012050.	0.4	36
5	Enhancement of Morphological and Optoelectronic Properties of Perovskite Films by CH ₃ NH ₃ Cl Treatment for Efficient Solar Minimodules. ACS Applied Energy Materials, 2018, 1, 1047-1052.	5.1	31
6	Crystallographic and magnetic properties of Fe-doped SnO ₂ nanopowders obtained by a sol-gel method. Journal of Materials Science, 2010, 45, 5002-5011.	3.7	25
7	Improvement of the mechanical behavior of the calcium phosphate coatings deposited onto Ti6Al4V alloy using an intermediate TiN/TiO ₂ bilayer. Vacuum, 2017, 146, 22-30.	3.5	25
8	Experimental exploration of dynamic phase transitions and associated metamagnetic fluctuations for materials with different Curie temperatures. Physical Review E, 2020, 102, 022804.	2.1	20
9	Quasiparticle-injection effects in YBa ₂ Cu ₃ O _{7-δ} /La _{1/3} Ca _{2/3} MnO ₃ /La _{2/3} Ca _{1/3} MnO ₃ heterostructures. Journal of Applied Physics, 2003, 93, 8206-8208.	2.5	14
10	Hematite thin films: growth and characterization. Hyperfine Interactions, 2007, 169, 1355-1362.	0.5	13
11	Mixtures of iron and anatase TiO ₂ by mechanical alloying. Microelectronics Journal, 2008, 39, 1322-1323.	2.0	11
12	Fe-doped SnO ₂ obtained by mechanical alloying. Microelectronics Journal, 2008, 39, 1320-1321.	2.0	8
13	Physical properties in thin films of iron oxides. Microelectronics Journal, 2008, 39, 1391-1393.	2.0	6
14	Analysis of persistent photoconductivity on oxygen deficient YBa ₂ Cu ₃ O _{7-δ} thin films. Physica C: Superconductivity and Its Applications, 1997, 282-287, 671-672.	1.2	5
15	Structural and Electrical Properties of Grain Boundary Josephson Junctions Based on Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} Thin Films. Physica Status Solidi (B): Basic Research, 2000, 220, 483-487.	1.5	4
16	Optical characterization of sputtered YBaCo ₄ O _{7+δ} thin films. Solid State Sciences, 2011, 13, 310-313.	3.2	4
17	Study of YBaCo ₄ O _{7+δ} thin films grown by sputtering technique on (1012)-oriented sapphire substrates. Thin Solid Films, 2011, 519, 3411-3416.	1.8	4
18	Analysis of magnetic and structural properties in La _{0.6} Sr _{0.4} MnO ₃ ferromagnetic particles under the influence of mechanical ball milling effect. Journal of Physics: Conference Series, 2013, 466, 012022.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Tunneling and ferroelectric properties of SRO/PZT/Pt capacitor structures. Physica Status Solidi (B): Basic Research, 2005, 242, 1902-1905.	1.5	3
20	Fe-doped SnO ₂ nanopowders obtained by sol-gel and mechanochemical alloying with and without thermal treatment. Hyperfine Interactions, 2010, 195, 185-189.	0.5	3
21	Green synthesis of magnetic nanoparticles using leaf extracts of Aloe vera and Kalanchoe daigremontiana to remove divalent mercury from natural waters. Journal of Physics: Conference Series, 2019, 1247, 012021.	0.4	3
22	Fe-doped TiO ₂ prepared by mechanical alloying. Hyperfine Interactions, 2008, 183, 117-122.	0.5	2
23	Comparative study of the Raman vibrational modes in pure and Fe-doped La _{2/3} Ca _{1/3} MnO ₃ thin films. Superlattices and Microstructures, 2016, 92, 181-189.	3.1	2
24	Grain Size Reduction Effect on Structural and Magnetic Properties in La _{1-x} Sr _x MnO ₃ (x = 0.3 y 0.4) by Mechanical Ball Milling. Journal of Physics: Conference Series, 2019, 1247, 012015.	0.4	2
25	Synthesis and characterization of SnO ₂ thin films doped with Fe to 10%. AIP Conference Proceedings, 2014, . .	0.4	1
26	Single crystal substrates effect on the critical behavior in La _{2/3} Ca _{1/3} MnO ₃ thin films. Journal of Physics: Conference Series, 2013, 466, 012021.	0.4	0
27	A brief discussion of the magnetocaloric effect in thin films of manganite doped with chromium. Journal of Physics: Conference Series, 2019, 1247, 012013.	0.4	0
28	Implementation of a portable EDXRF measurement chain for characterization of metallic objects of cultural interest in Colombia. Journal of Physics: Conference Series, 2019, 1247, 012016.	0.4	0
29	Kalanchoe daigremontiana leaf extract: A green stabilizing agent in synthesis of Silver Nanoparticles. Journal of Physics: Conference Series, 2019, 1247, 012019.	0.4	0
30	A Kerr magnetometer setup in the kHz regime based on open-hardware architecture. Journal of Physics: Conference Series, 2019, 1247, 012047.	0.4	0
31	Fe-doped SnO ₂ nanopowders obtained by sol-gel and mechanochemical alloying with and without thermal treatment. , 2009, , 185-189.		0