

# Jaime Osorio

## List of Publications by Year in descending order

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31  
papers

391  
citations

933447

10  
h-index

752698

20  
g-index

31  
all docs

31  
docs citations

31  
times ranked

768  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental exploration of dynamic phase transitions and associated metamagnetic fluctuations for materials with different Curie temperatures. <i>Physical Review E</i> , 2020, 102, 022804.	2.1	20
2	A brief discussion of the magnetocaloric effect in thin films of manganite doped with chromium. <i>Journal of Physics: Conference Series</i> , 2019, 1247, 012013.	0.4	0
3	Grain Size Reduction Effect on Structural and Magnetic Properties in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ( $x = 0.3$ y $0.4$ ) by Mechanical Ball Milling. <i>Journal of Physics: Conference Series</i> , 2019, 1247, 012015.	0.4	2
4	Implementation of a portable EDXRF measurement chain for characterization of metallic objects of cultural interest in Colombia. <i>Journal of Physics: Conference Series</i> , 2019, 1247, 012016.	0.4	0
5	<i>Kalanchoe daigremontiana</i> leaf extract: A green stabilizing agent in synthesis of Silver Nanoparticles. <i>Journal of Physics: Conference Series</i> , 2019, 1247, 012019.	0.4	0
6	Green synthesis of magnetic nanoparticles using leaf extracts of <i>Aloe vera</i> and <i>Kalanchoe daigremontiana</i> to remove divalent mercury from natural waters. <i>Journal of Physics: Conference Series</i> , 2019, 1247, 012021.	0.4	3
7	A Kerr magnetometer setup in the kHz regime based on open-hardware architecture. <i>Journal of Physics: Conference Series</i> , 2019, 1247, 012047.	0.4	0
8	Enhancement of Morphological and Optoelectronic Properties of Perovskite Films by $\text{CH}_3\text{NH}_3\text{Cl}$ Treatment for Efficient Solar Minimodules. <i>ACS Applied Energy Materials</i> , 2018, 1, 1047-1052.	5.1	31
9	Silver Nanoparticles Obtained by Aqueous or Ethanolic <i>Aloe vera</i> Extracts: An Assessment of the Antibacterial Activity and Mercury Removal Capability. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-7.	2.7	41
10	Improvement of the mechanical behavior of the calcium phosphate coatings deposited onto Ti6Al4V alloy using an intermediate TiN/TiO <sub>2</sub> bilayer. <i>Vacuum</i> , 2017, 146, 22-30.	3.5	25
11	Mercury removal in wastewater by iron oxide nanoparticles. <i>Journal of Physics: Conference Series</i> , 2016, 687, 012050.	0.4	36
12	$\text{CH}_3\text{NH}_3\text{Cl}$ Perovskite: Synthesis, Characterization, and First-Principles Studies. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16393-16398.	3.1	67
13	Comparative study of the Raman vibrational modes in pure and Fe-doped $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ thin films. <i>Superlattices and Microstructures</i> , 2016, 92, 181-189.	3.1	2
14	Synthesis and characterization of SnO <sub>2</sub> thin films doped with Fe to 10%. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	1
15	Single crystal substrates effect on the critical behavior in $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ thin films. <i>Journal of Physics: Conference Series</i> , 2013, 466, 012021.	0.4	0
16	Analysis of magnetic and structural properties in $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ ferromagnetic particles under the influence of mechanical ball milling effect. <i>Journal of Physics: Conference Series</i> , 2013, 466, 012022.	0.4	4
17	Optical characterization of sputtered $\text{YBaCo}_4\text{O}_{7+\delta}$ thin films. <i>Solid State Sciences</i> , 2011, 13, 310-313.	3.2	4
18	Study of $\text{YBaCo}_4\text{O}_{7+\delta}$ thin films grown by sputtering technique on (1012)-oriented sapphire substrates. <i>Thin Solid Films</i> , 2011, 519, 3411-3416.	1.8	4

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19	Fe-doped SnO <sub>2</sub> nanopowders obtained by sol-gel and mechanochemical alloying with and without thermal treatment. <i>Hyperfine Interactions</i> , 2010, 195, 185-189.	0.5	3
20	Crystallographic and magnetic properties of Fe-doped SnO <sub>2</sub> nanopowders obtained by a sol-gel method. <i>Journal of Materials Science</i> , 2010, 45, 5002-5011.	3.7	25
21	Fe-doped SnO <sub>2</sub> nanopowders obtained by sol-gel and mechanochemical alloying with and without thermal treatment. , 2009, , 185-189.		0
22	Fe-doped TiO <sub>2</sub> prepared by mechanical alloying. <i>Hyperfine Interactions</i> , 2008, 183, 117-122.	0.5	2
23	Mixtures of iron and anatase TiO <sub>2</sub> by mechanical alloying. <i>Microelectronics Journal</i> , 2008, 39, 1322-1323.	2.0	11
24	Fe-doped SnO <sub>2</sub> obtained by mechanical alloying. <i>Microelectronics Journal</i> , 2008, 39, 1320-1321.	2.0	8
25	Physical properties in thin films of iron oxides. <i>Microelectronics Journal</i> , 2008, 39, 1391-1393.	2.0	6
26	Hematite thin films: growth and characterization. <i>Hyperfine Interactions</i> , 2007, 169, 1355-1362.	0.5	13
27	Tunneling and ferroelectric properties of SRO/PZT/Pt capacitor structures. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, 1902-1905.	1.5	3
28	Quasiparticle-injection effects in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> /La <sub>1/3</sub> Ca <sub>2/3</sub> MnO <sub>3</sub> /La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> heterostructures. <i>Journal of Applied Physics</i> , 2003, 93, 8206-8208.	2.5	14
29	Substrate dependence of magnetic properties of La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> films. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 237, 61-68.	2.3	57
30	Structural and Electrical Properties of Grain Boundary Josephson Junctions Based on Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+<math>\delta</math></sub> Thin Films. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 220, 483-487.	1.5	4
31	Analysis of persistent photoconductivity on oxygen deficient YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 671-672.	1.2	5