Julio Ramirez-Castellanos

List of Publications by Year
in descending order

58 papers	981 citations	471509 17 h-index	477307 29 g-index
61 all docs	61 docs citations	61 times ranked	1401 citing authors

#	Article	IF	Citations
1	Nanostructure of Bioactive Solâ˜'Gel Glasses and Organicâ˜'Inorganic Hybrids. Chemistry of Materials, 2005, 17, 1874-1879.	6.7	72
2	Influence of Fe and Al doping on the stabilization of the anatase phase in TiO₂nanoparticles. Journal of Materials Chemistry C, 2014, 2, 10377-10385.	5.5	63
3	In-Doped Gallium Oxide Micro- and Nanostructures: Morphology, Structure, and Luminescence Properties. Journal of Physical Chemistry C, 2012, 116, 3935-3943.	3.1	61
4	Porous materials from clays by the gallery template approach: synthesis, characterization and adsorption properties. Microporous and Mesoporous Materials, 2004, 73, 175-180.	4.4	55
5	Influence of Sn and Cr Doping on Morphology and Luminescence of Thermally Grown Ga₂O₃ Nanowires. Journal of Physical Chemistry C, 2013, 117, 3036-3045.	3.1	55
6	Incorporation of Mn12single molecule magnets into mesoporous silica. Journal of Materials Chemistry, 2003, 13, 3089-3095.	6.7	49
7	Effects of Transition Metal Doping on the Growth and Properties of Rutile TiO₂ Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 1941-1947.	3.1	43
8	Laser-Induced Anatase-to-Rutile Transition in TiO₂ Nanoparticles: Promotion and Inhibition Effects by Fe and Al Doping and Achievement of Micropatterning. Journal of Physical Chemistry C, 2015, 119, 11965-11974.	3.1	39
9	New series of oxysulphate superconductors (Cu0.5S0.5)Sr2Canâ˜'1CunOy (n = 37), prepared at high pressure. Physica C: Superconductivity and Its Applications, 1995, 252, 221-228.	1.2	33
10	Synthesis, characterization and electrochemical assessment of hexagonal molybdenum trioxide (h-MoO3) micro-composites with graphite, graphene and graphene oxide for lithium ion batteries. Electrochimica Acta, 2021, 365, 137355.	5.2	29
11	Synergetic Improvement of Stability and Conductivity of Hybrid Composites formed by PEDOT:PSS and SnO Nanoparticles. Molecules, 2020, 25, 695.	3.8	21
12	Structural characterization of nanosized silica spheres. Solid State Sciences, 2007, 9, 351-356.	3.2	20
13	Controlled synthesis of lithium doped tin dioxide nanoparticles by a polymeric precursor method and analysis of the resulting defect structure. Journal of Materials Chemistry A, 2018, 6, 6299-6308.	10.3	20
14	Influence of Doping and Controlled Sn Charge State on the Properties and Performance of SnO₂ Nanoparticles as Anodes in Li-Ion Batteries. Journal of Physical Chemistry C, 2020, 124, 18490-18501.	3.1	20
15	Calorimetric and high-resolution transmission electron microscopy study of nanocrystallization in zirconia gel. Journal of Materials Research, 1999, 14, 1834-1843.	2.6	18
16	Nanostructure and Bioactivity of Hybrid Aerogels. Chemistry of Materials, 2009, 21, 41-47.	6.7	18
17	Structural Chemistry and Magnetic Properties of the BaMn0.4Co0.6O2.83Hexagonal Perovskite. Chemistry of Materials, 2007, 19, 1503-1508.	6.7	17
18	Study of the Defects in Sintered SnO2 by High-Resolution Transmission Electron Microscopy and Cathodoluminescence. European Journal of Inorganic Chemistry, 2007, 2007, 1544-1548.	2.0	17

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19	The controlled transition-metal doping of SnO2 nanoparticles with tunable luminescence. CrystEngComm, 2014, 16, 2969.	2.6	17
20	Structural Order/Disorder in the AlSr2YCu2O7Compound. Journal of Solid State Chemistry, 1997, 133, 434-438.	2.9	16
21	A new family of â€œclickedâ€•estradiol-based low-molecular-weight gelators having highly symmetry-dependent gelation ability. Chemical Communications, 2011, 47, 10281.	4.1	16
22	Understanding the effects of Cr doping in rutile TiO2 by DFT calculations and X-ray spectroscopy. Scientific Reports, 2018, 8, 8740.	3.3	16
23	Microstructural characterization of Yba₂Cu₃O_{7â€“Î´} thick films grown at very high rates and high temperatures by pulsed laser deposition. Journal of Materials Research, 2003, 18, 956-964.	2.6	15
24	Comparative study of the implementation of tin and titanium oxide nanoparticles as electrodes materials in Li-ion batteries. Scientific Reports, 2020, 10, 5503.	3.3	15
25	New high-Tc superconductor, (GezCu1â^'z)Sr2Ca2â^'xYxCu3Oy ((Ge, Cu)-1223) prepared under high pressure. Physica C: Superconductivity and Its Applications, 1996, 262, 279-284.	1.2	14
26	Structural Disorders in the Superconducting GaSr2Ca3Cu4Oy. Journal of Solid State Chemistry, 1996, 123, 378-381.	2.9	14
27	Stabilization of CuIIIunder High Pressure in Sr2CuGaO5. Chemistry of Materials, 2002, 14, 2055-2062.	6.7	14
28	Cr doped titania microtubes and microrods synthesized by a vaporâ€“solid method. CrystEngComm, 2013, 15, 5490.	2.6	14
29	In Situ Local Oxidation of SnO Induced by Laser Irradiation: A Stability Study. Nanomaterials, 2021, 11, 976.	4.1	14
30	Silicon surface passivation by PEDOT: PSS functionalized by SnO₂and TiO₂nanoparticles. Nanotechnology, 2018, 29, 035401.	2.6	14
31	Microstructural characterization of GaSr2Ca2Cu3O9+Î´, n = 3 member of the homologous series of superconductors GaSr2Canâ^'1CunO2n+3. Physica C: Superconductivity and Its Applications, 1995, 251, 279-284.	1.2	13
32	Hybrid solar cells with Î²- and Î³- gallium oxide nanoparticles. Materials Letters, 2020, 261, 127088.	2.6	13
33	h-MoO3/AlCl3-Urea/Al: High performance and low-cost rechargeable Al-ion battery. Journal of Power Sources, 2021, 516, 230656.	7.8	13
34	Structural Chemistry of a New 10H Hexagonal Perovskite: BaMn0.4Fe0.6O2.73. European Journal of Inorganic Chemistry, 2007, 2007, 2129-2135.	2.0	11
35	Improved silicon surface passivation by hybrid composites formed by PEDOT:PSS with anatase TiO2 nanoparticles. Materials Letters, 2020, 271, 127802.	2.6	11
36	Spray pyrolysis for highTcsuperconductors films. Superconductor Science and Technology, 2004, 17, 1303-1310.	3.5	10

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37	Polytypism in the BaMn0.85Ti0.15O3â^'Î´ System (0.07â‰¤Î´â‰¤0.34). Structural, Magnetic, and Electrical Characterization of the 9R-Polymorph. Chemistry of Materials, 2010, 22, 4320-4327.	6.7	10
38	In situ local assessment of laser irradiation-induced phase transformations in hexagonal MoO₃ microrods. CrystEngComm, 2018, 20, 4954-4961.	2.6	9
39	Towards Control of the Size, Composition and Surface Area of NiO Nanostructures by Sn Doping. Nanomaterials, 2021, 11, 444.	4.1	9
40	Effect of lithium doping and precursors on the microstructural, surface electronic and luminescence properties of single crystalline microtubular tin oxide structures. CrystEngComm, 2017, 19, 4321-4329.	2.6	7
41	Structural characterization at the atomic level and optical properties of the Zn_kIn₂O_{k+3} (3 â‰¤ k â‰¤ 13) system. Journal of Materials Chemistry C, 2017, 5, 10176-10184.	5.5	6
42	Unravelling the role of lithium and nickel doping on the defect structure and phase transition of anatase TiO2 nanoparticles. Journal of Materials Science, 2022, 57, 7191-7207.	3.7	6
43	New high-Tc superconductors (GezCu1â^'z)Sr2Canâ^'1â^'xYxCunOy (n = 4, 6) prepared at high pressure. Physica C: Superconductivity and Its Applications, 1997, 274, 48-54.	1.2	5
44	Phase Transition Induced by High Pressure in a New LaBaCuGaO5 Compound. Journal of Solid State Chemistry, 2000, 155, 372-380.	2.9	5
45	Spatially resolved optical activation of Eu ions by laser irradiation in implanted hexagonal MoO3 microrods. Applied Physics Letters, 2018, 113, 031902.	3.3	4
46	Effect of the synthesis method on the properties of lithium doped graphene oxide composites with tin oxide nanoparticles: Towards white luminescence. Journal of Physics and Chemistry of Solids, 2019, 129, 133-139.	4.0	4
47	Influence of Cation Substitution on the Complex Structure and Luminescent Properties of the Zn_kIn₂O_{k+3} System. Chemistry of Materials, 2020, 32, 6176-6185.	6.7	3
48	EvaluaciÃ³n del impacto del perfil del alumnado y su formaciÃ³n preuniversitaria en la asignatura de QuÃmica del primer curso de grado en tres facultades de ciencias de la UCM. Qurriculum Revista De TeorÃa InvestigaciÃ³n Y PrÃ¡ctica Educativa, 2021, 34, 53-65.	0.4	3
49	Structural study of Sr3Ca3Cu6O15Â±Î´ by HRTEM. Physica C: Superconductivity and Its Applications, 1996, 262, 285-291.	1.2	2
50	New insights into the luminescence properties of a Na stabilized Gaâ€“Ti oxide homologous series. Journal of Materials Chemistry C, 2020, 8, 2725-2731.	5.5	2
51	Synthesis and characterization of semiconducting oxide nanoparticles and hybrid composites with energy-related applications. , 2022, , .		2
52	New Compound $f Sr_{3}Ca_{3}Cu_{6}O_{{12}pm inmbi{delta }}$ with Modulated Superstructure. Japanese Journal of Applied Physics, 1995, 34, L1591-L1593.	1.5	1
53	Evaluation of the Nanodomain Structure in In-Zn-O Transparent Conductors. Nanomaterials, 2021, 11, 198.	4.1	1
54	Room and high pressure synthesis in the Sr-Ca-Cu-O system. Solid State Ionics, 1997, 101-103, 205-211.	2.7	1

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55	Superconductivity of M-12(n-1)n series of compounds prepared under high pressure. European Physical Journal D, 1996, 46, 1461-1462.	0.4	0
56	Extended defects and reactivity in YBCO films. Solid State Ionics, 2004, 172, 539-541.	2.7	0
57	Epitaxial growth of luminescent Sn-Cr doped Î²-Ga2O3 nanowires. Materials Research Society Symposia Proceedings, 2014, 1707, 44.	0.1	0
58	Structural Characterization of the Superconducting GaSr2Can-1CunO2n+3 System. , 1996, , 325-328.		0