Jaime Ortiz-Lopez

List of Publications by Year
in descending order

35 papers	387 citations	1040056 9 h-index	794594 19 g-index
35 all docs	35 docs citations	35 times ranked	361 citing authors

#	Article	IF	Citations
1	Thermal and electrical properties enhancement of a nanocomposite of industrial silicone rubber filled with reduced graphene oxide. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 221-231.	2.1	5
2	PVA membranes with a surface layer of magnetically-patterned cobalt-containing multiwall carbon nanotubes. Journal of Materials Science: Materials in Electronics, 2020, 31, 1604-1615.	2.2	1
3	Electrochemical sensor using carbon nanotube composites for chronic-degenerative diseases diagnosis. MRS Advances, 2020, 5, 2331-2340.	0.9	0
4	AB-stacked bilayer graphene zigzag nanoribbons: sensors for interlayer single molecule detection. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	2
5	Thermoluminescence of single wall carbon nanotubes synthesized by hydrogen-arc-discharge method. Applied Radiation and Isotopes, 2019, 145, 32-38.	1.5	4
6	Exfoliated graphite with graphene flakes as potential candidates for TL dosimeters at high gamma doses. Applied Radiation and Isotopes, 2018, 139, 310-315.	1.5	4
7	Microwave-assisted synthesis of sponge-like carbon nanotube arrays and their application in organic transistor devices. Journal of Materials Science: Materials in Electronics, 2016, 27, 12642-12648.	2.2	9
8	Ultrasonic cavitation effects on the structure of graphene oxide in aqueous suspension. Journal of Materials Science, 2016, 51, 10782-10792.	3.7	18
9	Thermoluminescence and photoluminescence analyses of MEH-PPV, MDMO-PPV and RU(bpy) 3 gamma-irradiated polymer thin films. Applied Radiation and Isotopes, 2015, 102, 55-62.	1.5	6
10	First principle studies of charge transport in PPV polymer under conformational deformation. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 578-586.	2.1	2
11	Characterization of Functionalized Multiwalled Carbon Nanotubes for Use in an Enzymatic Sensor. Microscopy and Microanalysis, 2014, 20, 1479-1485.	0.4	15
12	Preparation of carbon nanotubes with iron nanowires inside using a simple microwave-based method. Journal of Materials Science: Materials in Electronics, 2014, 25, 2835-2841.	2.2	5
13	Electrochemistry, Reactivity and Selectivity of Toroidal C₁₂₀ Nanostructure: A Density Functional Theory Study. Journal of Computational and Theoretical Nanoscience, 2012, 9, 1014-1022.	0.4	2
14	Vibrational analysis and thermodynamic properties of C120 nanotorus: a DFT study. Journal of Nanoparticle Research, 2011, 13, 6649-6659.	1.9	5
15	Low temperature structural transformation in T[Ni(CN)4]Â·xpyz with x=1,2; T=Mn,Co,Ni,Zn,Cd; pyz=pyrazine. Journal of Solid State Chemistry, 2010, 183, 105-113.	2.9	23
16	Cold-wall CVD carbon nanotube synthesis on porous alumina substrates. Journal of Materials Science: Materials in Electronics, 2009, 20, 403-407.	2.2	4
17	CVD growth of carbon nanotubes on catalyst patterns generated with AFM lithography. Journal of Materials Science: Materials in Electronics, 2007, 18, 1163-1166.	2.2	3
18	X-Ray Microanalysis of Human Cementum. Microscopy and Microanalysis, 2005, 11, 313-318.	0.4	12

#	Article	IF	Citations
19	Catalytic CVD production of carbon nanotubes using ethanol. Microelectronics Journal, 2005, 36, 495-498.	2.0	29
20	Anisotropies in Carbon Nanotube Synthesis by the Hydrogen Arc Plasma Jet Method. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 299-311.	2.1	2
21	Evolution of molecular ordering and phase transitions in C60/C70 solid solutions. Physica Status Solidi (B): Basic Research, 2004, 241, 261-273.	1.5	2
22	Dielectric Studies of CN- Dipolar Reorientation and Order-Disorder Behavior in RbCN1-x:KCNx and KCN1-x:NaCNx. Physica Status Solidi (B): Basic Research, 2001, 228, 893-917.	1.5	3
23	Synthesis and characterization of Hg metal-doped C60. Chemical Physics Letters, 2000, 318, 655-661.	2.6	5
24	Morphology of C60Crystals Grown from the Vapor Phase. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 909-919.	0.6	2
25	CSVT Growth of Fullerene Polycrystalline Films. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 827-851.	0.6	0
26	Dielectric Studies of CN? Dipolar Reorientation and Order/Disorder Behavior. Physica Status Solidi (B): Basic Research, 1997, 199, 245-264.	1.5	7
27	Optical phonons in ZnxCd1â^'xSe thin films. Solid State Communications, 1996, 100, 33-36.	1.9	16
28	Effect of lead content on nonstoichiometric Bi2-xPbySr2Ca2Cu3Oî´ ceramic superconductors. Materials Chemistry and Physics, 1993, 36, 64-67.	4.0	7
29	Theoretical Investigation of Ferroelastic Phase Transition of Pure and Mixed Alkali Cyanide Systems by the Elastic Dipole Model. III. The Dipoleâ€Diluted and Mixed Alkali Cyanide Systems. Physica Status Solidi (B): Basic Research, 1990, 159, 629-643.	1.5	3
30	Optical studies of thermal cycling and hysteresis effects in elastic order-disorder phase transformations. III. Alkali-metal halide cyanide double-mixed crystals. Physical Review B, 1990, 41, 11422-11427.	3.2	1
31	Optical studies of thermal cycling and hysteresis effects in elastic order-disorder phase transformations. I. Pure alkali-metal cyanide crystals. Physical Review B, 1988, 37, 5452-5460.	3.2	31
32	Optical studies of thermal cycling and hysteresis effects in elastic order-disorder phase transformations. II. Cyanide-diluted and mixed alkali-metal cyanide crystals. Physical Review B, 1988, 37, 5461-5469.	3.2	30
33	Dipolar Reorientation and Order-Disorder Behavior of Pure and Mixed Alkali Cyanides. Physical Review Letters, 1983, 50, 1289-1292.	7.8	110
34	Hydrogen Storage on Beryllium-Coated Toroidal Carbon Nanostructure C₁₂₀ Modeled with Density Functional Theory. Advances in Science and Technology, 0, , .	0.2	8
35	Synthesis of Carbon Nanostructures by Microwave Irradiation. , 0, , .		11