

# Jaime Ortiz-Lopez

## List of Publications by Year in descending order

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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	Dipolar Reorientation and Order-Disorder Behavior of Pure and Mixed Alkali Cyanides. <i>Physical Review Letters</i> , 1983, 50, 1289-1292.	7.8	110
2	Optical studies of thermal cycling and hysteresis effects in elastic order-disorder phase transformations. I. Pure alkali-metal cyanide crystals. <i>Physical Review B</i> , 1988, 37, 5452-5460.	3.2	31
3	Optical studies of thermal cycling and hysteresis effects in elastic order-disorder phase transformations. II. Cyanide-diluted and mixed alkali-metal cyanide crystals. <i>Physical Review B</i> , 1988, 37, 5461-5469.	3.2	30
4	Catalytic CVD production of carbon nanotubes using ethanol. <i>Microelectronics Journal</i> , 2005, 36, 495-498.	2.0	29
5	Low temperature structural transformation in $T[\text{Ni}(\text{CN})_4]_x\text{pyz}$ with $x=1,2$ ; $T=\text{Mn,Co,Ni,Zn,Cd}$ ; $\text{pyz}=\text{pyrazine}$ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 105-113.	2.9	23
6	Ultrasonic cavitation effects on the structure of graphene oxide in aqueous suspension. <i>Journal of Materials Science</i> , 2016, 51, 10782-10792.	3.7	18
7	Optical phonons in $\text{Zn}_x\text{Cd}_{1-x}\text{Se}$ thin films. <i>Solid State Communications</i> , 1996, 100, 33-36.	1.9	16
8	Characterization of Functionalized Multiwalled Carbon Nanotubes for Use in an Enzymatic Sensor. <i>Microscopy and Microanalysis</i> , 2014, 20, 1479-1485.	0.4	15
9	X-Ray Microanalysis of Human Cementum. <i>Microscopy and Microanalysis</i> , 2005, 11, 313-318.	0.4	12
10	Synthesis of Carbon Nanostructures by Microwave Irradiation. , 0, , .		11
11	Microwave-assisted synthesis of sponge-like carbon nanotube arrays and their application in organic transistor devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 12642-12648.	2.2	9
12	Hydrogen Storage on Beryllium-Coated Toroidal Carbon Nanostructure $\text{C}_{120}$ ; Modeled with Density Functional Theory. <i>Advances in Science and Technology</i> , 0, , .	0.2	8
13	Effect of lead content on nonstoichiometric $\text{Bi}_{2-x}\text{Pb}_x\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{7-\delta}$ ceramic superconductors. <i>Materials Chemistry and Physics</i> , 1993, 36, 64-67.	4.0	7
14	Dielectric Studies of $\text{CN}^-$ Dipolar Reorientation and Order/Disorder Behavior. <i>Physica Status Solidi (B): Basic Research</i> , 1997, 199, 245-264.	1.5	7
15	Thermoluminescence and photoluminescence analyses of MEH-PPV, MDMO-PPV and RU(bpy) 3 gamma-irradiated polymer thin films. <i>Applied Radiation and Isotopes</i> , 2015, 102, 55-62.	1.5	6
16	Synthesis and characterization of Hg metal-doped $\text{C}_{60}$ . <i>Chemical Physics Letters</i> , 2000, 318, 655-661.	2.6	5
17	Vibrational analysis and thermodynamic properties of $\text{C}_{120}$ nanotorus: a DFT study. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6649-6659.	1.9	5
18	Preparation of carbon nanotubes with iron nanowires inside using a simple microwave-based method. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2835-2841.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Thermal and electrical properties enhancement of a nanocomposite of industrial silicone rubber filled with reduced graphene oxide. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2022, 30, 221-231.	2.1	5
20	Cold-wall CVD carbon nanotube synthesis on porous alumina substrates. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 403-407.	2.2	4
21	Exfoliated graphite with graphene flakes as potential candidates for TL dosimeters at high gamma doses. <i>Applied Radiation and Isotopes</i> , 2018, 139, 310-315.	1.5	4
22	Thermoluminescence of single wall carbon nanotubes synthesized by hydrogen-arc-discharge method. <i>Applied Radiation and Isotopes</i> , 2019, 145, 32-38.	1.5	4
23	Theoretical Investigation of Ferroelastic Phase Transition of Pure and Mixed Alkali Cyanide Systems by the Elastic Dipole Model. III. The Dipole in Diluted and Mixed Alkali Cyanide Systems. <i>Physica Status Solidi (B): Basic Research</i> , 1990, 159, 629-643.	1.5	3
24	Dielectric Studies of CN- Dipolar Reorientation and Order-Disorder Behavior in RbCN <sub>1-x</sub> :KCN <sub>x</sub> and KCN <sub>1-x</sub> :NaCN <sub>x</sub> . <i>Physica Status Solidi (B): Basic Research</i> , 2001, 228, 893-917.	1.5	3
25	CVD growth of carbon nanotubes on catalyst patterns generated with AFM lithography. <i>Journal of Materials Science: Materials in Electronics</i> , 2007, 18, 1163-1166.	2.2	3
26	Morphology of C <sub>60</sub> Crystals Grown from the Vapor Phase. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1999, 7, 909-919.	0.6	2
27	Evolution of molecular ordering and phase transitions in C <sub>60</sub> /C <sub>70</sub> solid solutions. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 261-273.	1.5	2
28	Anisotropies in Carbon Nanotube Synthesis by the Hydrogen Arc Plasma Jet Method. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005, 13, 299-311.	2.1	2
29	Electrochemistry, Reactivity and Selectivity of Toroidal C <sub>120</sub> Nanostructure: A Density Functional Theory Study. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012, 9, 1014-1022.	0.4	2
30	First principle studies of charge transport in PPV polymer under conformational deformation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 578-586.	2.1	2
31	AB-stacked bilayer graphene zigzag nanoribbons: sensors for interlayer single molecule detection. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	2
32	Optical studies of thermal cycling and hysteresis effects in elastic order-disorder phase transformations. III. Alkali-metal halide cyanide double-mixed crystals. <i>Physical Review B</i> , 1990, 41, 11422-11427.	3.2	1
33	PVA membranes with a surface layer of magnetically-patterned cobalt-containing multiwall carbon nanotubes. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1604-1615.	2.2	1
34	CSVT Growth of Fullerene Polycrystalline Films. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1998, 6, 827-851.	0.6	0
35	Electrochemical sensor using carbon nanotube composites for chronic-degenerative diseases diagnosis. <i>MRS Advances</i> , 2020, 5, 2331-2340.	0.9	0