

Carlos E Cava

List of Publications by Year in descending order

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25
papers

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1040056

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	ITO-Free and Flexible Organic Photovoltaic Device Based on High Transparent and Conductive Polyaniline/Carbon Nanotube Thin Films. <i>Advanced Functional Materials</i> , 2013, 23, 1490-1499.	14.9	174
2	Doping effect on self-assembled films of polyaniline and carbon nanotube applied as ammonia gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 25-33.	7.8	136
3	Self-assembled films of multi-wall carbon nanotubes used in gas sensors to increase the sensitivity limit for oxygen detection. <i>Carbon</i> , 2012, 50, 1953-1958.	10.3	51
4	Iron- and iron oxide-filled multi-walled carbon nanotubes: Electrical properties and memory devices. <i>Chemical Physics Letters</i> , 2007, 444, 304-308.	2.6	41
5	Water based, solution-processable, transparent and flexible graphene oxide composite as electrodes in organic solar cell application. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 105106.	2.8	33
6	The total chemical synthesis of polymer/graphene nanocomposite films. <i>Chemical Communications</i> , 2016, 52, 1629-1632.	4.1	33
7	Electrical Properties of Self-Assembled Films of Polyaniline/Carbon Nanotubes Composites. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24811-24818.	3.1	29
8	Effects of native defects on the structural and magnetic properties of hematite Fe_2O_3 . <i>Journal of Applied Physics</i> , 2014, 116, 174305.	3.2	19
9	Resistive switching in iron-oxide-filled carbon nanotubes. <i>Nanoscale</i> , 2014, 6, 378-384.	5.6	17
10	Incorporation of nanomaterials on the electrospun membrane process with potential use in water treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126775.	4.7	10
11	The role of carbon nanotubes on the sensitivity of composites with polyaniline for ammonia sensors. <i>Carbon Trends</i> , 2021, 3, 100026.	3.0	9
12	Morphology Dependence on Fluorine Doped Tin Oxide Film Thickness Studied with Atomic Force Microscopy. <i>Microscopy and Microanalysis</i> , 2005, 11, 118-121.	0.4	7
13	PEDOT:PSS post-treated by DMSO using spin coating, roll-to-roll and immersion: a comparative study. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 317-323.	2.2	5
14	Silver nanowire synthesis analyzing NaCl, CuCl ₂ , and NaBr as halide salt with additional thermal, acid, and solvent post-treatments for transparent and flexible electrode applications. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 205-213.	3.1	5
15	Adsorbent selection for pesticides removal from drinking water. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 1-10.	0.78	1
16	Electrospun fibers of poly (vinyl alcohol): zinc acetate (PVA:AcZn) and further ZnO production: evaluation of PVA:AcZn ratio and annealing temperature effects on ZnO structure. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	4
17	Design experiment (parameters) applied to PEDOT: PSS/AgNW composite doped with EG for transparent conductive films. <i>Journal of Molecular Liquids</i> , 2021, 329, 115516.	4.9	3
18	Interactions of iron-oxide filled carbon nanotubes with gas molecules. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14340.	2.8	2

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19	Surface Engineering in Alloyed CdSe/CdSexCdS1-x/CdS Core-Shell Colloidal Quantum Dots for Enhanced Optoelectronic Applications. Engineering Materials, 2020, , 189-205.	0.6	2
20	Theoretical and experimental investigation into environment dependence and electric properties for volatile memory based on methyl-red dye thin film. Solid-State Electronics, 2010, 54, 1697-1700.	1.4	1
21	Iron-Oxide-Filled Carbon Nanotubes. , 2017, , 293-313.		1
22	AVALIAÇÃO DA ESTRUTURA ELETRÔNICA DA FASE MONOCLÍNICA DO ÓXIDO DE NÍQUEL COM BASE NO USO DE DIFERENTES FUNCIONAIS DE DENSIDADE. Quimica Nova, 0, , .	0.3	0
23	FILMES AUTOMONTADOS DE COMPOSTOS BASEADOS EM NANOTUBO DE CARBONO E NANOPARTÍCULAS DE ÓXIDO DE FERRO APLICADOS A SENSORES DE GÁS. , 0, , .		0
24	Desenvolvimento de Uma Sonda para Caracterização e Utilização de Sensores de Gás. , 0, , .		0
25	INCORPORAÇÃO DE NANOTUBOS DE CARBONO EM PHB - poli (3-hidroxibutirato). , 0, , .		0