

Edgar Muñoz

List of Publications by Year in descending order

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47
papers

4,719
citations

304368

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docs citations

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times ranked

6408
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-walled carbon nanotube buckypaper as support for highly permeable double layer polyamide/zeolitic imidazolate framework in nanofiltration processes. <i>Journal of Membrane Science</i> , 2022, 652, 120490.	4.1	9
2	Laser-Deposited Carbon Aerogel Derived from Graphene Oxide Enables NO ₂ -Selective Parts-per-Billion Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39541-39548.	4.0	7
3	Toxicity of Carbon Nanomaterials and Their Potential Application as Drug Delivery Systems: In Vitro Studies in Caco-2 and MCF-7 Cell Lines. <i>Nanomaterials</i> , 2020, 10, 1617.	1.9	54
4	Two-dimensional oligoglycine tectomer adhesives for graphene oxide fiber functionalization. <i>Carbon</i> , 2019, 147, 460-475.	5.4	4
5	Chemical Postdeposition Treatments To Improve the Adhesion of Carbon Nanotube Films on Plastic Substrates. <i>ACS Omega</i> , 2019, 4, 2804-2811.	1.6	11
6	Functionalization of Silver Nanowire Transparent Electrodes with Self-Assembled 2-Dimensional Tectomer Nanosheets. <i>ACS Applied Nano Materials</i> , 2018, 1, 3903-3912.	2.4	7
7	Multifunctional, biocompatible and pH-responsive carbon nanotube- and graphene oxide/TECTOMER hybrid composites and coatings. <i>Nanoscale</i> , 2017, 9, 7791-7804.	2.8	24
8	Long-chain amine-templated synthesis of gallium sulfide and gallium selenide nanotubes. <i>Nanoscale</i> , 2016, 8, 11698-11706.	2.8	11
9	Two-Dimensional, pH-Responsive Oligoglycine-Based Nanocarriers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1913-1921.	4.0	16
10	Graphene oxide as sensitive layer in Love-wave surface acoustic wave sensors for the detection of chemical warfare agent simulants. <i>Talanta</i> , 2016, 148, 393-400.	2.9	95
11	Effects of surfactant and fabrication procedure on the electrical conductivity and electromagnetic shielding of single-walled carbon nanotube films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 425-432.	0.8	27
12	Carbon Nanofibers Modified with Heteroatoms as Metal-Free Catalysts for the Oxidative Dehydrogenation of Propane. <i>ChemSusChem</i> , 2014, 7, 2496-2504.	3.6	31
13	Carbon nanotube-based SAW sensors. , 2013, , .		5
14	“Laser chemistry” synthesis, physicochemical properties, and chemical processing of nanostructured carbon foams. <i>Nanoscale Research Letters</i> , 2013, 8, 233.	3.1	12
15	Amyloidogenic Peptide/Single-Walled Carbon Nanotube Composites Based on Tau-Protein-Related Peptides Derived from AcPHF6: Preparation and Dispersive Properties. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7593-7604.	1.2	5
16	Synthesis and application of gold-carbon hybrids as catalysts for the hydroamination of alkynes. <i>Applied Catalysis A: General</i> , 2013, 456, 88-95.	2.2	34
17	Carbon nanotube/TiO ₂ ; nanotube hybrid films as resistive gas sensor. , 2013, , .		2
18	Carbon nanotube networks as sensitive layers for resistive gas sensor applications. <i>Nanopages</i> , 2013, 8, 15-26.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Laser synthesis and luminescence properties of SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ phosphors. Journal of the European Ceramic Society, 2012, 32, 4363-4369.	2.8	39
20	Simultaneous Reduction of Graphene Oxide and Polyaniline: Doping-Assisted Formation of a Solid-State Charge-Transfer Complex. Journal of Physical Chemistry C, 2011, 115, 10468-10474.	1.5	104
21	Attenuation of microwave electromagnetic radiation by means of buckypaper. Technical Physics, 2011, 56, 1679-1684.	0.2	4
22	Tailored production of nanostructured metal/carbon foam by laser ablation of selected organometallic precursors. Carbon, 2010, 48, 1807-1814.	5.4	13
23	Electrochemically Tuned Properties for Electrolyte-Free Carbon Nanotube Sheets. Advanced Functional Materials, 2009, 19, 2266-2272.	7.8	27
24	Preparation and characterization of nematic polyazomethine/single-walled carbon nanotube composites prepared by <i>in situ</i> polymerization. Journal of Polymer Science Part A, 2009, 47, 2361-2372.	2.5	12
25	Carbon nanotube networks as gas sensors for NO ₂ detection. Talanta, 2008, 77, 758-764.	2.9	117
26	FTIR and Thermogravimetric Analysis of Biotin-Functionalized Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2007, 7, 3473-3476.	0.9	15
27	Multi-Walled Carbon Nanotube Networks As Gas Sensors for NO ₂ Detection. , 2007, , .		1
28	NO ₂ detection with Single Walled Carbon Nanotube Networks. , 2007, , .		3
29	Important parameters for the catalytic nanoparticles formation towards the growth of carbon nanotube aligned arrays. Diamond and Related Materials, 2007, 16, 1082-1086.	1.8	14
30	Arbitrarily Shaped Fiber Assemblies from Spun Carbon Nanotube Gel Fibers. Advanced Functional Materials, 2007, 17, 2918-2924.	7.8	55
31	Novel selective sensors based on carbon nanotube films for hydrogen detection. Sensors and Actuators B: Chemical, 2007, 122, 75-80.	4.0	99
32	Aligned carbon nanotubes grown on alumina and quartz substrates by a simple thermal CVD process. Diamond and Related Materials, 2006, 15, 1059-1063.	1.8	34
33	Gold/carbon nanocomposite foam. Chemical Physics Letters, 2006, 420, 86-89.	1.2	24
34	Carbon nanotube growth on cobalt-sprayed substrates by thermal CVD. Materials Science and Engineering C, 2006, 26, 1185-1188.	3.8	51
35	Polyazomethine/carbon nanotube composites. Materials Science and Engineering C, 2006, 26, 1198-1201.	3.8	15
36	Single-walled carbon nanotube-supported platinum nanoparticles as fuel cell electrocatalysts. Journal of Materials Research, 2006, 21, 2841-2846.	1.2	20

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37	Synthesis of DAM-1 molecular sieves containing single walled carbon nanotubes. Microporous and Mesoporous Materials, 2004, 67, 61-65.	2.2	7
38	Fabrication and Characterization of Thin Films of Single-Walled Carbon Nanotube Bundles on Flexible Plastic Substrates. Journal of the American Chemical Society, 2004, 126, 4462-4463.	6.6	360
39	Continuous carbon nanotube composite fibers: properties, potential applications, and problems Electronic supplementary information (ESI) available: frontispiece figure. See http://www.rsc.org/suppdata/jm/b3/b312092a/ . Journal of Materials Chemistry, 2004, 14, 1.	6.7	247
40	Super-tough carbon-nanotube fibres. Nature, 2003, 423, 703-703.	13.7	1,394
41	V2O5 nanofibre sheet actuators. Nature Materials, 2003, 2, 316-319.	13.3	248
42	Improving the mechanical properties of single-walled carbon nanotube sheets by intercalation of polymeric adhesives. Applied Physics Letters, 2003, 82, 1682-1684.	1.5	253
43	Controlled Assembly of Carbon Nanotubes by Designed Amphiphilic Peptide Helices. Journal of the American Chemical Society, 2003, 125, 1770-1777.	6.6	481
44	Mechanical properties of hybrid polymer nanotube systems. , 2003, , .		0
45	<title>Fabrication, morphology, and actuation from novel single-wall carbon nanotube/Nafion composites</title>. , 2002, , .		3
46	Production of carbon nanotubes by CO2-laser evaporation of various carbonaceous feedstock materials. Nanotechnology, 2001, 12, 147-151.	1.3	21
47	FTIR study of the evolution of coal structure during the coalification process. Organic Geochemistry, 1996, 24, 725-735.	0.9	702