

# Edgar Muoz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45  
papers

4,080  
citations

20  
h-index

47  
g-index

47  
ext. papers

4,420  
ext. citations

8.1  
avg, IF

4.56  
L-index

#	Paper	IF	Citations
45	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> , <b>2022</b> , 652, 120490	9.6	1
44	Laser-Deposited Carbon Aerogel Derived from Graphene Oxide Enables NO-Selective Parts-per-Billion Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 39541-39548	9.5	2
43	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> , <b>2020</b> , 10,	5.4	23
42	Two-dimensional oligoglycine tectomer adhesives for graphene oxide fiber functionalization. <i>Carbon</i> , <b>2019</b> , 147, 460-475	10.4	2
41	Chemical Postdeposition Treatments To Improve the Adhesion of Carbon Nanotube Films on Plastic Substrates. <i>ACS Omega</i> , <b>2019</b> , 4, 2804-2811	3.9	4
40	Functionalization of Silver Nanowire Transparent Electrodes with Self-Assembled 2-Dimensional Tectomer Nanosheets. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3903-3912	5.6	4
39	Multifunctional, biocompatible and pH-responsive carbon nanotube- and graphene oxide/tectomer hybrid composites and coatings. <i>Nanoscale</i> , <b>2017</b> , 9, 7791-7804	7.7	14
38	Two-Dimensional, pH-Responsive Oligoglycine-Based Nanocarriers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 1913-21	9.5	11
37	Graphene oxide as sensitive layer in Love-wave surface acoustic wave sensors for the detection of chemical warfare agent simulants. <i>Talanta</i> , <b>2016</b> , 148, 393-400	6.2	63
36	Long-chain amine-templated synthesis of gallium sulfide and gallium selenide nanotubes. <i>Nanoscale</i> , <b>2016</b> , 8, 11698-706	7.7	9
35	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> , <b>2015</b> , 212, 425-432	1.6	17
34	Carbon nanofibers modified with heteroatoms as metal-free catalysts for the oxidative dehydrogenation of propane. <i>ChemSusChem</i> , <b>2014</b> , 7, 2496-504	8.3	20
33	Carbon nanotube-based SAW sensors <b>2013</b> ,		4
32	Laser chemistry synthesis, physicochemical properties, and chemical processing of nanostructured carbon foams. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 233	5	8
31	Amyloidogenic peptide/single-walled carbon nanotube composites based on tau-protein-related peptides derived from A $\beta$ PHF6: preparation and dispersive properties. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 7593-604	3.4	5
30	Synthesis and application of gold-carbon hybrids as catalysts for the hydroamination of alkynes. <i>Applied Catalysis A: General</i> , <b>2013</b> , 456, 88-95	5.1	28
29	Carbon nanotube networks as sensitive layers for resistive gas sensor applications. <i>Nanopages</i> , <b>2013</b> , 8, 15-26	0	2

28	Laser synthesis and luminescence properties of SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> phosphors. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 4363-4369	6	30
27	Simultaneous Reduction of Graphene Oxide and Polyaniline: Doping-Assisted Formation of a Solid-State Charge-Transfer Complex. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 10468-10474	3.8	97
26	Attenuation of microwave electromagnetic radiation by means of buckypaper. <i>Technical Physics</i> , <b>2011</b> , 56, 1679-1684	0.5	4
25	Tailored production of nanostructured metal/carbon foam by laser ablation of selected organometallic precursors. <i>Carbon</i> , <b>2010</b> , 48, 1807-1814	10.4	11
24	Electrochemically Tuned Properties for Electrolyte-Free Carbon Nanotube Sheets. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2266-2272	15.6	25
23	Preparation and characterization of nematic polyazomethine/single-walled carbon nanotube composites prepared by in situ polymerization. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 2361-2372	2.5	12
22	Carbon nanotube networks as gas sensors for NO <sub>2</sub> detection. <i>Talanta</i> , <b>2008</b> , 77, 758-764	6.2	100
21	Important parameters for the catalytic nanoparticles formation towards the growth of carbon nanotube aligned arrays. <i>Diamond and Related Materials</i> , <b>2007</b> , 16, 1082-1086	3.5	13
20	Arbitrarily Shaped Fiber Assemblies from Spun Carbon Nanotube Gel Fibers. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 2918-2924	15.6	50
19	Novel selective sensors based on carbon nanotube films for hydrogen detection. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 122, 75-80	8.5	84
18	FTIR and thermogravimetric analysis of biotin-functionalized single-walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 3473-6	1.3	15
17	Multi-Walled Carbon Nanotube Networks As Gas Sensors for NO <sub>2</sub> Detection <b>2007</b> ,		1
16	NO <sub>2</sub> detection with Single Walled Carbon Nanotube Networks <b>2007</b> ,		2
15	Single-walled carbon nanotube-supported platinum nanoparticles as fuel cell electrocatalysts. <i>Journal of Materials Research</i> , <b>2006</b> , 21, 2841-2846	2.5	18
14	Aligned carbon nanotubes grown on alumina and quartz substrates by a simple thermal CVD process. <i>Diamond and Related Materials</i> , <b>2006</b> , 15, 1059-1063	3.5	32
13	Gold/carbon nanocomposite foam. <i>Chemical Physics Letters</i> , <b>2006</b> , 420, 86-89	2.5	23
12	Carbon nanotube growth on cobalt-sprayed substrates by thermal CVD. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 1185-1188	8.3	40
11	Polyazomethine/carbon nanotube composites. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 1198-1201	8.3	15

10	Synthesis of DAM-1 molecular sieves containing single walled carbon nanotubes. <i>Microporous and Mesoporous Materials</i> , <b>2004</b> , 67, 61-65	5.3	7
9	Fabrication and characterization of thin films of single-walled carbon nanotube bundles on flexible plastic substrates. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 4462-3	16.4	333
8	Continuous carbon nanotube composite fibers: properties, potential applications, and problems. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 1		203
7	Super-tough carbon-nanotube fibres. <i>Nature</i> , <b>2003</b> , 423, 703	50.4	1256
6	V2O5 nanofibre sheet actuators. <i>Nature Materials</i> , <b>2003</b> , 2, 316-9	27	230
5	Improving the mechanical properties of single-walled carbon nanotube sheets by intercalation of polymeric adhesives. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1682-1684	3.4	227
4	Controlled assembly of carbon nanotubes by designed amphiphilic Peptide helices. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 1770-7	16.4	439
3	Fabrication, morphology, and actuation from novel single-wall carbon nanotube/Nafion composites <b>2002</b> ,		3
2	Production of carbon nanotubes by CO <sub>2</sub> -laser evaporation of various carbonaceous feedstock materials. <i>Nanotechnology</i> , <b>2001</b> , 12, 147-151	3.4	16
1	FTIR study of the evolution of coal structure during the coalification process. <i>Organic Geochemistry</i> , <b>1996</b> , 24, 725-735	3.1	575