

# Jose M Gonzalez-Dominguez

## 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.

69  
papers

2,196  
citations

25  
h-index

45  
g-index

72  
ext. papers

2,511  
ext. citations

6.9  
avg, IF

4.96  
L-index

#	Paper	IF	Citations
69	Effect of nanocellulose polymorphism on electrochemical analytical performance in hybrid nanocomposites with non-oxidized single-walled carbon nanotubes.. <i>Mikrochimica Acta</i> , <b>2022</b> , 189, 62	5.8	1
68	Intrinsic and selective activity of functionalized carbon nanotube/nanocellulose platforms against colon cancer cells.. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 212, 112363	6	2
67	Extraordinary Protective Efficacy of Graphene Oxide over the Stone-Based Cultural Heritage. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2101012	4.6	1
66	Waterborne Graphene- and Nanocellulose-Based Inks for Functional Conductive Films and 3D Structures. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
65	Graphene quantum dots: From efficient preparation to safe renal excretion. <i>Nano Research</i> , <b>2021</b> , 14, 674-683	10	7
64	CHAPTER 4. Carbon Nanostructures and Polysaccharides for Biomedical Materials. <i>RSC Nanoscience and Nanotechnology</i> , <b>2021</b> , 98-152		
63	The viscosity of dilute carbon nanotube (1D) and graphene oxide (2D) nanofluids. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 11474-11484	3.6	15
62	Optimizing Bacterial Cellulose Production Towards Materials for Water Remediation. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , <b>2020</b> , 391-403	0.2	4
61	Modification of Physicochemical Properties and Boosting Electrical Conductivity of Reduced Graphene Oxide Aerogels by Postsynthesis Treatment. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 13739-13752 <sup>38</sup>	3.8	4
60	Differential properties and effects of fluorescent carbon nanoparticles towards intestinal theranostics. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 185, 110612	6	5
59	Tailored Methodology Based on Vapor Phase Polymerization to Manufacture PEDOT/CNT Scaffolds for Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 1269-1278	5.5	21
58	Slow diffusion co-assembly as an efficient tool to tune colour emission in alkynyl benzoazoles. <i>Dyes and Pigments</i> , <b>2020</b> , 176, 108246	4.6	3
57	Controlling the surface chemistry of graphene oxide: Key towards efficient ZnO-GO photocatalysts. <i>Catalysis Today</i> , <b>2020</b> , 357, 350-360	5.3	31
56	Modulation of waveguide behaviour of an ICT 2H-Benzo[d][1,2,3]Triazole derivative with graphene. <i>Organic Electronics</i> , <b>2019</b> , 68, 1-8	3.5	4
55	A tool box to ascertain the nature of doping and photoresponse in single-walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 4063-4071	3.6	7
54	Thiolated Graphene Oxide Nanoribbons as Templates for Anchoring Gold Nanoparticles: Two-Dimensional Nanostructures for SERS. <i>ChemPlusChem</i> , <b>2019</b> , 84, 862-871	2.8	6
53	Reduced Graphene Oxide Aerogels with Controlled Continuous Microchannels for Environmental Remediation. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1210-1222	5.6	22

52	Unique Properties and Behavior of Nonmercerized Type-II Cellulose Nanocrystals as Carbon Nanotube Biocompatible Dispersants. <i>Biomacromolecules</i> , <b>2019</b> , 20, 3147-3160	6.9	18
51	Experimental, Numerical, and Analytical Study on The Effect of Graphene Oxide in The Mechanical Properties of a Solvent-Free Reinforced Epoxy Resin. <i>Polymers</i> , <b>2019</b> , 11,	4.5	5
50	Production of ready-to-use few-layer graphene in aqueous suspensions. <i>Nature Protocols</i> , <b>2018</b> , 13, 495-506	5.8	54
49	Smart Hybrid Graphene Hydrogels: A Study of the Different Responses to Mechanical Stretching Stimulus. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1987-1995	9.5	42
48	Cysteine functionalized bio-nanomaterial for the affinity sensing of Pb(II) as an indicator of environmental damage. <i>Microchemical Journal</i> , <b>2018</b> , 141, 271-278	4.8	18
47	Differential effects of graphene materials on the metabolism and function of human skin cells. <i>Nanoscale</i> , <b>2018</b> , 10, 11604-11615	7.7	31
46	Graphene and graphene oxide induce ROS production in human HaCaT skin keratinocytes: the role of xanthine oxidase and NADH dehydrogenase. <i>Nanoscale</i> , <b>2018</b> , 10, 11820-11830	7.7	70
45	Three-Dimensional Conductive Scaffolds as Neural Prostheses Based on Carbon Nanotubes and Polypyrrole. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43904-43914	9.5	29
44	How does phosphoric acid interact with cherry stones? A discussion on overlooked aspects of chemical activation. <i>Wood Science and Technology</i> , <b>2018</b> , 52, 1645-1669	2.5	1
43	Filling Single-Walled Carbon Nanotubes with Lutetium Chloride: A Sustainable Production of Nanocapsules Free of Nonencapsulated Material. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 2501-2508	8.3	13
42	Single-walled carbon nanotubes covalently functionalized with cysteine: A new alternative for the highly sensitive and selective Cd(II) quantification. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 249, 506-514	8.5	32
41	Activated carbon from cherry stones by chemical activation: Influence of the impregnation method on porous structure. <i>Journal of Wood Chemistry and Technology</i> , <b>2017</b> , 37, 148-162	2	4
40	Dielectric behavior and electrical conductivity of PVDF filled with functionalized single-walled carbon nanotubes. <i>Composites Science and Technology</i> , <b>2017</b> , 152, 263-274	8.6	30
39	Graphene Improves the Biocompatibility of Polyacrylamide Hydrogels: 3D Polymeric Scaffolds for Neuronal Growth. <i>Scientific Reports</i> , <b>2017</b> , 7, 10942	4.9	59
38	Promises, facts and challenges for graphene in biomedical applications. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 4400-4416	58.5	415
37	Evaluation of the efficacy of carbon nanotubes for delivering peptides into mitochondria. <i>RSC Advances</i> , <b>2016</b> , 6, 67232-67241	3.7	6
36	Single-walled carbon nanotubes covalently functionalized with polytyrosine: A new material for the development of NADH-based biosensors. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 308-314	11.8	45
35	Electrochemical sensing of guanine, adenine and 8-hydroxy-2'-deoxyguanosine at glassy carbon modified with single-walled carbon nanotubes covalently functionalized with lysine. <i>RSC Advances</i> , <b>2016</b> , 6, 13469-13477	3.7	25

34	Covalent functionalization of single-walled carbon nanotubes with polytyrosine: Characterization and analytical applications for the sensitive quantification of polyphenols. <i>Analytica Chimica Acta</i> , <b>2016</b> , 909, 51-9	6.6	27
33	Production and stability of mechanochemically exfoliated graphene in water and culture media. <i>Nanoscale</i> , <b>2016</b> , 8, 14548-55	7.7	42
32	Peptide-based biomaterials. Linking l-tyrosine and poly l-tyrosine to graphene oxide nanoribbons. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 3870-3884	7.3	22
31	Transparent conducting films made of different carbon nanotubes, processed carbon nanotubes, and graphene nanoribbons. <i>Chemical Engineering Science</i> , <b>2015</b> , 138, 566-574	4.4	13
30	Multipurpose Nature of Rapid Covalent Functionalization on Carbon Nanotubes. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 18631-41	4.8	12
29	Electrochemical Sensor for the Quantification of Dopamine Using Glassy Carbon Electrodes Modified with Single-Wall Carbon Nanotubes Covalently Functionalized with Polylysine. <i>Electroanalysis</i> , <b>2015</b> , 27, 1565-1571	3	10
28	Single-Wall Carbon Nanotubes Covalently Functionalized with Polylysine: Synthesis, Characterization and Analytical Applications for the Development of Electrochemical (Bio)Sensors. <i>Electroanalysis</i> , <b>2014</b> , 26, 1676-1683	3	13
27	Optical absorption response of chemically modified single-walled carbon nanotubes upon ultracentrifugation in various dispersants. <i>Carbon</i> , <b>2014</b> , 66, 105-118	10.4	23
26	Functionalization Strategies for Single-Walled Carbon Nanotubes Integration into Epoxy Matrices <b>2014</b> , 45-116		1
25	Poly(ether ether ketone)-based hierarchical composites for tribological applications. <i>Chemical Engineering Journal</i> , <b>2013</b> , 218, 285-294	14.7	15
24	A chemically reactive spinning dope for significant improvements in wet spun carbon nanotube fibres. <i>Chemical Communications</i> , <b>2013</b> , 49, 3973-5	5.8	8
23	Wrapping of SWCNTs in Polyethylenoxide-Based Amphiphilic Diblock Copolymers: An Approach to Purification, Debundling, and Integration into the Epoxy Matrix. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 7399-7408	3.8	21
22	Choosing the Chemical Route for Carbon Nanotube Integration in Poly(vinylidene fluoride). <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 16217-16225	3.8	13
21	Covalent functionalization of MWCNTs with poly(p-phenylene sulphide) oligomers: a route to the efficient integration through a chemical approach. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21285		53
20	Processing and properties of PEEK/glass fiber laminates: Effect of addition of single-walled carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 1267-1279	8.4	38
19	Reactive fillers based on SWCNTs functionalized with matrix-based moieties for the production of epoxy composites with superior and tunable properties. <i>Nanotechnology</i> , <b>2012</b> , 23, 285702	3.4	11
18	Tailored SWCNT functionalization optimized for compatibility with epoxy matrices. <i>Nanotechnology</i> , <b>2012</b> , 23, 285701	3.4	17
17	Piezoresistive response of Pluronic-wrapped single-wall carbon nanotube/epoxy composites. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2012</b> , 23, 909-917	2.3	7

16	Effect of Various Aminated Single-Walled Carbon Nanotubes on the Epoxy Cross-Linking Reactions. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7238-7248	3.8	58
15	Epoxy composites with covalently anchored amino-functionalized SWNTs: towards the tailoring of physical properties through targeted functionalization. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 14948		29
14	Solvent-free preparation of high-toughness epoxy--SWNT composite materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 1441-50	9.5	64
13	The influence of the impregnation method on yield of activated carbon produced by H3PO4 activation. <i>Materials Letters</i> , <b>2011</b> , 65, 1423-1426	3.3	6
12	Influence of air oxidation on the surfactant-assisted purification of single-walled carbon nanotubes. <i>Langmuir</i> , <b>2011</b> , 27, 7192-8	4	22
11	Influence of carbon nanotubes on the thermal, electrical and mechanical properties of poly(ether ether ketone)/glass fiber laminates. <i>Carbon</i> , <b>2011</b> , 49, 2817-2833	10.4	115
10	Grafting of a hydroxylated poly(ether ether ketone) to the surface of single-walled carbon nanotubes. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 8285		36
9	Integration of block copolymer-wrapped single-wall carbon nanotubes into a trifunctional epoxy resin. Influence on thermal performance. <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 2065-2075	4.7	14
8	Surfactant-free assembling of functionalized single-walled carbon nanotube buckypapers. <i>Carbon</i> , <b>2010</b> , 48, 1480-1488	10.4	41
7	Separation of single-walled carbon nanotubes from graphite by centrifugation in a surfactant or in polymer solutions. <i>Carbon</i> , <b>2010</b> , 48, 2917-2924	10.4	24
6	High performance PEEK/carbon nanotube composites compatibilized with polysulfones-I. Structure and thermal properties. <i>Carbon</i> , <b>2010</b> , 48, 3485-3499	10.4	75
5	High performance PEEK/carbon nanotube composites compatibilized with polysulfones-II. Mechanical and electrical properties. <i>Carbon</i> , <b>2010</b> , 48, 3500-3511	10.4	104
4	The influence of a compatibilizer on the thermal and dynamic mechanical properties of PEEK/carbon nanotube composites. <i>Nanotechnology</i> , <b>2009</b> , 20, 315707	3.4	73
3	Block copolymer assisted dispersion of single walled carbon nanotubes and integration into a trifunctional epoxy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 6104-12	1.3	11
2	Development and characterization of PEEK/carbon nanotube composites. <i>Carbon</i> , <b>2009</b> , 47, 3079-3090	10.4	145
1	Synthesis and processing of nanomaterials mediated by living beings. <i>Angewandte Chemie</i> ,	3.6	