

Diego S T Martinez

List of Publications by Citations

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74
papers

1,937
citations

24
h-index

42
g-index

80
ext. papers

2,293
ext. citations

5.4
avg, IF

4.9
L-index

#	Paper	IF	Citations
74	Anti-adhesion and antibacterial activity of silver nanoparticles supported on graphene oxide sheets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 113, 115-24	6	281
73	Silver nanoparticle protein corona and toxicity: a mini-review. <i>Journal of Nanobiotechnology</i> , 2015 , 13, 55	9.4	191
72	Production and structural characterization of surfactin (C14/Leu7) produced by <i>Bacillus subtilis</i> isolate LSFM-05 grown on raw glycerol from the biodiesel industry. <i>Process Biochemistry</i> , 2011 , 46, 1951-1957	4.8	123
71	Unveiling the Role of Oxidation Debris on the Surface Chemistry of Graphene through the Anchoring of Ag Nanoparticles. <i>Chemistry of Materials</i> , 2012 , 24, 4080-4087	9.6	80
70	Eco-friendly decoration of graphene oxide with biogenic silver nanoparticles: antibacterial and antibiofilm activity. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	65
69	Structural and proactive safety aspects of oxidation debris from multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2011 , 189, 391-6	12.8	51
68	Ecotoxicological effects of carbofuran and oxidised multiwalled carbon nanotubes on the freshwater fish Nile tilapia: nanotubes enhance pesticide ecotoxicity. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 111, 131-7	7	48
67	Noncovalent Interaction with Graphene Oxide: The Crucial Role of Oxidative Debris. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2187-2193	3.8	46
66	Influence of protein corona on the transport of molecules into cells by mesoporous silica nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8387-93	9.5	46
65	Surface chemistry in the process of coating mesoporous SiO ₂ onto carbon nanotubes driven by the formation of Si-O-C bonds. <i>Chemistry - A European Journal</i> , 2011 , 17, 3228-37	4.8	45
64	Suppression of the hemolytic effect of mesoporous silica nanoparticles after protein corona interaction: independence of the surface microchemical environment. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 1807-1814	1.5	40
63	Nanopharmaceuticals as a solution to neglected diseases: Is it possible?. <i>Acta Tropica</i> , 2017 , 170, 16-42	3.2	38
62	Nanoecotoxicity assessment of graphene oxide and its relationship with humic acid. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1998-2012	3.8	38
61	Graphene oxide: a carrier for pharmaceuticals and a scaffold for cell interactions. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 309-27	3	38
60	Covalent functionalization of graphene oxide with d-mannose: evaluating the hemolytic effect and protein corona formation. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2803-2812	7.3	37
59	Activated carbon from pyrolysed sugarcane bagasse: Silver nanoparticle modification and ecotoxicity assessment. <i>Science of the Total Environment</i> , 2016 , 565, 833-840	10.2	37
58	Influence of <i>Melaleuca alternifolia</i> oil nanoparticles on aspects of <i>Pseudomonas aeruginosa</i> biofilm. <i>Microbial Pathogenesis</i> , 2016 , 93, 120-5	3.8	34

57	Temperature effects on the nitric acid oxidation of industrial grade multiwalled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	34
56	Interaction of graphene oxide with cell culture medium: Evaluating the fetal bovine serum protein corona formation towards in vitro nanotoxicity assessment and nanobiointeractions. <i>Materials Science and Engineering C</i> , 2019 , 100, 363-377	8.3	33
55	Monitoring the Hemolytic Effect of Mesoporous Silica Nanoparticles after Human Blood Protein Corona Formation. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4595-4602	2.3	29
54	Melaleuca alternifolia nanoparticles against Candida species biofilms. <i>Microbial Pathogenesis</i> , 2017 , 104, 125-132	3.8	28
53	Histopathological alterations in the gills of Nile tilapia exposed to carbofuran and multiwalled carbon nanotubes. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 133, 481-8	7	26
52	Purification and structural characterization of fengycin homologues produced by Bacillus subtilis LSFM-05 grown on raw glycerol. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011 , 38, 863-71	4.2	26
51	The Positive Fate of Biochar Addition to Soil in the Degradation of PHBV-Silver Nanoparticle Composites. <i>Environmental Science & Technology</i> , 2018 , 52, 13845-13853	10.3	26
50	Nanotoxicity of graphene oxide: Assessing the influence of oxidation debris in the presence of humic acid. <i>Environmental Pollution</i> , 2017 , 225, 118-128	9.3	24
49	Co-exposure of graphene oxide with trace elements: Effects on acute ecotoxicity and routine metabolism in Palaemon pandaliformis (shrimp). <i>Chemosphere</i> , 2019 , 223, 157-164	8.4	24
48	Interactions of oxidized multiwalled carbon nanotube with cadmium on zebrafish cell line: The influence of two co-exposure protocols on in vitro toxicity tests. <i>Aquatic Toxicology</i> , 2018 , 200, 136-147	5.1	23
47	Understanding the interaction of multi-walled carbon nanotubes with mutagenic organic pollutants using computational modeling and biological experiments. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 437-446	14.6	23
46	Histopathological Effects on Gills of Nile Tilapia (Oreochromis niloticus, Linnaeus, 1758) Exposed to Pb and Carbon Nanotubes. <i>Microscopy and Microanalysis</i> , 2016 , 22, 1162-1169	0.5	23
45	Nanocomposites based on graphene oxide and mesoporous silica nanoparticles: Preparation, characterization and nanobiointeractions with red blood cells and human plasma proteins. <i>Applied Surface Science</i> , 2018 , 437, 110-121	6.7	22
44	Topography-driven bionano-interactions on colloidal silica nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3437-47	9.5	22
43	Monitoring the Surface Chemistry of Functionalized Nanomaterials with a Microfluidic Electronic Tongue. <i>ACS Sensors</i> , 2018 , 3, 716-726	9.2	21
42	New Hybrid Material Based on Layered Double Hydroxides and Biogenic Silver Nanoparticles: Antimicrobial Activity and Cytotoxic Effect. <i>Journal of the Brazilian Chemical Society</i> , 2013 , 24, 266-272	1.5	21
41	Toxicity assessment of TiO-MWCNT nanohybrid material with enhanced photocatalytic activity on Danio rerio (Zebrafish) embryos. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 165, 136-143	7	21
40	Coating carbon nanotubes with humic acid using an eco-friendly mechanochemical method: Application for Cu(II) ions removal from water and aquatic ecotoxicity. <i>Science of the Total Environment</i> , 2017 , 607-608, 1479-1486	10.2	19

39	Effects of multiwalled carbon nanotubes and carbofuran on metabolism in <i>Astyanax ribeirae</i> , a native species. <i>Fish Physiology and Biochemistry</i> , 2019 , 45, 417-426	2.7	19
38	Novel protein from <i>Labramia bojeri</i> A. DC. seeds homologue to Kunitz-type trypsin inhibitor with lectin-like properties. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 7548-54	5.7	17
37	Metabolic effects in the freshwater fish <i>Geophagus iporangensis</i> in response to single and combined exposure to graphene oxide and trace elements. <i>Chemosphere</i> , 2020 , 243, 125316	8.4	17
36	Carbon nanotubes enhanced the lead toxicity on the freshwater fish. <i>Journal of Physics: Conference Series</i> , 2013 , 429, 012043	0.3	16
35	Exploring the use of biosurfactants from <i>Bacillus subtilis</i> in bionanotechnology: A potential dispersing agent for carbon nanotube ecotoxicological studies. <i>Process Biochemistry</i> , 2014 , 49, 1162-1168	4.8	14
34	Fe ₃ O ₄ @SiO ₂ Nanoparticles Concurrently Coated with Chitosan and GdOF:Ce ³⁺ ,Tb ³⁺ Luminophore for Bioimaging: Toxicity Evaluation in the Zebrafish Model. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3414-3425	5.6	13
33	Insecticidal effect of labramin, a lectin-like protein isolated from seeds of the beach apricot tree, <i>Labramia bojeri</i> , on the Mediterranean flour moth, <i>Ephestia kuehniella</i> . <i>Journal of Insect Science</i> , 2012 , 12, 62	2	12
32	Biological effects of oxidized carbon nanomaterials (1D versus 2D) on <i>Spodoptera frugiperda</i> : Material dimensionality influences on the insect development, performance and nutritional physiology. <i>Chemosphere</i> , 2019 , 215, 766-774	8.4	11
31	Effects of multiwalled carbon nanotubes co-exposure with cadmium on zebrafish cell line: Metal uptake and accumulation, oxidative stress, genotoxicity and cell cycle. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110892	7	10
30	Exploring the mechanisms of graphene oxide behavioral and morphological changes in zebrafish. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 30508-30523	5.1	9
29	How does the chain length of PEG functionalized at the outer surface of mesoporous silica nanoparticles alter the uptake of molecules?. <i>New Journal of Chemistry</i> , 2016 , 40, 8060-8067	3.6	9
28	Antimicrobial activity of <i>Melaleuca alternifolia</i> nanoparticles in polymicrobial biofilm in situ. <i>Microbial Pathogenesis</i> , 2017 , 113, 432-437	3.8	8
27	Effect of the Albumin Corona on the Toxicity of Combined Graphene Oxide and Cadmium to and Integration of the Datasets into the NanoCommons Knowledge Base. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
26	Influence of purified multiwalled carbon nanotubes on the mechanical and morphological behavior in poly (L-lactic acid) matrix. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 59, 547-560	4.1	8
25	Graphene oxide-silver nanoparticle hybrid material: an integrated nanosafety study in zebrafish embryos. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 209, 111776	7	8
24	On the formation of protein corona on colloidal nanoparticles stabilized by depletant polymers. <i>Materials Science and Engineering C</i> , 2019 , 105, 110080	8.3	7
23	Ordinary microfluidic electrodes combined with bulk nanoprobe produce multidimensional electric double-layer capacitances towards metal ion recognition. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127482	8.5	7
22	Alternative mannosylation method for nanomaterials: application to oxidized debris-free multiwalled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	7

21	Structural aspects of graphitic carbon modified SBA-15 mesoporous silica and biological interactions with red blood cells and plasma proteins. <i>Materials Science and Engineering C</i> , 2017 , 78, 141-150	8.3	6
20	Protein Corona Formation on Magnetic Nanoparticles Conjugated with Luminescent Europium Complexes. <i>ChemNanoMat</i> , 2018 , 4, 1202-1208	3.5	6
19	Interlab study on nanotoxicology of representative graphene oxide. <i>Journal of Physics: Conference Series</i> , 2015 , 617, 012019	0.3	5
18	Interaçõ de nanomateriais com biosistemas e a nanotoxicologia: na direçõ de uma regulamentaçõ. <i>Ciêcia E Cultura</i> , 2013 , 65, 32-36	0.3	5
17	Techno-Economic Assessment and Critical Properties Tuning of Activated Carbons from Pyrolyzed Sugarcane Bagasse. <i>Waste and Biomass Valorization</i> , 2020 , 11, 1-13	3.2	5
16	Biotransformation of Nanomaterials in the Soil Environment: Nanoecotoxicology and Nanosafety Implications 2019 , 265-304		3
15	Carbon Nanotubes: From Synthesis to Genotoxicity. <i>Nanomedicine and Nanotoxicology</i> , 2014 , 125-152	0.3	3
14	Inflammatory and hyperalgesic effects of oxidized multi-walled carbon nanotubes in rats. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 5276-82	1.3	3
13	Mitigation of graphene oxide toxicity in <i>C. elegans</i> after chemical degradation with sodium hypochlorite. <i>Chemosphere</i> , 2021 , 278, 130421	8.4	3
12	Nanomaterials Properties of Environmental Interest and How to Assess Them 2019 , 45-105		2
11	Assessing the Erythrocyte Toxicity of Nanomaterials: From Current Methods to Biomolecular Surface Chemistry Interactions. <i>Nanomedicine and Nanotoxicology</i> , 2014 , 347-361	0.3	2
10	Environmental Toxicity of Nanopesticides Against Non-Target Organisms: The State of the Art 2020 , 227-279		2
9	Hybrid magneto-luminescent iron oxide nanocubes functionalized with europium complexes: synthesis, hemolytic properties and protein corona formation. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 428-439	7.3	2
8	Daphnia magna and mixture toxicity with nanomaterials [Current status and perspectives in data-driven risk prediction. <i>Nano Today</i> , 2022 , 43, 101430	17.9	2
7	Lipopolysaccharide influences on the toxicity of oxidised multiwalled carbon nanotubes to murine splenocytes in vitro. <i>Journal of Experimental Nanoscience</i> , 2015 , 10, 729-737	1.9	1
6	Assessing the Adverse Effects of Two-Dimensional Materials Using Cell Culture-Based Models 2019 , 1-46		1
5	Enhancing Near-Infrared Photothermal Efficiency of Biocompatible Flame-Synthesized Carbon Nano-Onions with Metal Dopants and Silica Coating.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5984-5994	4.1	1
4	Recent Advances in Immunofafety and Nanoinformatics of Two-Dimensional Materials Applied to Nano-imaging. <i>Frontiers in Immunology</i> , 2021 , 12, 689519	8.4	1

- 3 Conformational analysis of tannic acid: Environment effects in electronic and reactivity properties. *Journal of Chemical Physics*, **2021**, 154, 224102 3.9 ○
- 2 Co-exposure of carbon nanotubes with carbofuran pesticide affects metabolic rate in *Palaemon pandaliformis* (shrimp). *Chemosphere*, **2022**, 288, 132359 8.4 ○
- 1 Bioremediation and Biotransformation of Carbon Nanostructures Through Enzymatic and Microbial Systems **2014**, 101-121