

# Amauri J Paula

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,497  
citations

279487

23  
h-index

223531

46  
g-index

49  
all docs

49  
docs citations

49  
times ranked

4935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotoxicity of Graphene and Graphene Oxide. <i>Chemical Research in Toxicology</i> , 2014, 27, 159-168.	1.7	729
2	Silver nanoparticles in dentistry. <i>Dental Materials</i> , 2017, 33, 1110-1126.	1.6	213
3	Cellulose nanocrystals as carriers in medicine and their toxicities: A review. <i>Carbohydrate Polymers</i> , 2018, 181, 514-527.	5.1	179
4	Advances in Dental Materials through Nanotechnology: Facts, Perspectives and Toxicological Aspects. <i>Trends in Biotechnology</i> , 2015, 33, 621-636.	4.9	159
5	Catalytic antimicrobial robots for biofilm eradication. <i>Science Robotics</i> , 2019, 4, .	9.9	154
6	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.	3.2	84
7	Dynamics of bacterial population growth in biofilms resemble spatial and structural aspects of urbanization. <i>Nature Communications</i> , 2020, 11, 1354.	5.8	78
8	Structural and proactive safety aspects of oxidation debris from multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2011, 189, 391-396.	6.5	57
9	Influence of Protein Corona on the Transport of Molecules into Cells by Mesoporous Silica Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8387-8393.	4.0	57
10	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.	0.6	55
11	Biogenic synthesis of multifunctional silver nanoparticles from <i>Rhodotorula glutinis</i> and <i>Rhodotorula mucilaginosa</i> : antifungal, catalytic and cytotoxicity activities. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 127.	1.7	54
12	Synthesis of KNbO <sub>3</sub> nanostructures by a microwave assisted hydrothermal method. <i>Materials Letters</i> , 2008, 62, 2581-2584.	1.3	51
13	Surface Chemistry in the Process of Coating Mesoporous SiO <sub>2</sub> onto Carbon Nanotubes Driven by the Formation of Si-C Bonds. <i>Chemistry - A European Journal</i> , 2011, 17, 3228-3237.	1.7	50
14	Towards long-term colloidal stability of silica-based nanocarriers for hydrophobic molecules: beyond the Stober method. <i>Chemical Communications</i> , 2012, 48, 591-593.	2.2	39
15	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.	1.0	38
16	Dual-Targeting Approach Degrades Biofilm Matrix and Enhances Bacterial Killing. <i>Journal of Dental Research</i> , 2019, 98, 322-330.	2.5	38
17	Temperature effects on the nitric acid oxidation of industrial grade multiwalled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	36
18	Doxorubicin-Functionalized Silica Nanoparticles Incorporated into a Thermoreversible Hydrogel and Intraperitoneally Administered Result in High Prostate Antitumor Activity and Reduced Cardiotoxicity of Doxorubicin. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1190-1199.	2.6	35

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19	Microwave-Assisted Hydrothermal Synthesis of Structurally and Morphologically Controlled Sodium Niobates by Using Niobic Acid as a Precursor. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1300-1308.	1.0	33
20	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.	0.6	29
21	Physical Membrane-Stress-Mediated Antimicrobial Properties of Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3203-3212.	3.2	29
22	Topography-driven bionano-interactions on colloidal silica nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3437-3447.	4.0	27
23	Strategic design of magnetic carbonaceous nanocomposites and its application as multifunctional adsorbent. <i>Carbon</i> , 2020, 161, 758-771.	5.4	25
24	Sustainable Cellulose Nanocrystals for Improved Antimicrobial Properties of Thin Film Composite Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6534-6540.	3.2	23
25	Mechanisms of Colloidal Stabilization of Oxidized Nanocarbons in the Presence of Polymers: Obtaining Highly Stable Colloids in Physiological Media. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18741-18752.	1.5	19
26	Redox-enzymes, cells and microorganisms acting on carbon nanostructures transformation: A mini-review. <i>Biotechnology Progress</i> , 2013, 29, 1-10.	1.3	17
27	Study on the formation during the production of lead-free piezoceramics at the morphotropic phase boundary. <i>Solid State Communications</i> , 2009, 149, 1587-1590.	0.9	16
28	Nanosized Building Blocks for Customizing Novel Antibiofilm Approaches. <i>Journal of Dental Research</i> , 2017, 96, 128-136.	2.5	16
29	Morphological analysis of soil particles at multiple length-scale reveals nutrient stocks of Amazonian Anthrosols. <i>Geoderma</i> , 2018, 311, 58-66.	2.3	15
30	Vibrational Spectroscopy and Morphological Studies on Protein-Capped Biosynthesized Silver Nanoparticles. <i>ACS Omega</i> , 2020, 5, 386-393.	1.6	14
31	“Attacking” Anti-biofouling Strategy Enabled by Cellulose Nanocrystals “Silver Materials. <i>ACS Applied Bio Materials</i> , 2022, 5, 1025-1037.	2.3	14
32	Large-Field Electron Imaging and X-ray Elemental Mapping Unveil the Morphology, Structure, and Fractal Features of a Cretaceous Fossil at the Centimeter Scale. <i>Analytical Chemistry</i> , 2015, 87, 10088-10095.	3.2	13
33	On the formation of protein corona on colloidal nanoparticles stabilized by depletant polymers. <i>Materials Science and Engineering C</i> , 2019, 105, 110080.	3.8	13
34	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.	1.4	10
35	Influence of Surface Silanization on the Physicochemical Stability of Silver Nanocoatings: A Large Length Scale Assessment. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11300-11311.	1.5	10
36	Protein Corona Formation on Magnetic Nanoparticles Conjugated with Luminescent Europium Complexes. <i>ChemNanoMat</i> , 2018, 4, 1202-1208.	1.5	9

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37	Throwing light on an uncommon preservation of Blattodea from the Crato Formation (Araripe Basin,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.2	9
38	Hydrochar as protein support: preservation of biomolecule properties with non-covalent immobilization. Journal of Materials Science, 2017, 52, 13378-13389.	1.7	8
39	Towards the production of natural rubber-calcium phosphate hybrid for applications as bioactive coatings. Materials Science and Engineering C, 2019, 94, 417-425.	3.8	8
40	Hybrid biomaterial based on porous silica nanoparticles and Pluronic F-127 for sustained release of sildenafil: in vivo study on prostate cancer. RSC Advances, 2015, 5, 81348-81355.	1.7	7
41	Physicochemical investigation of shrimp fossils from the Romualdo and Ipubi formations (Araripe) Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	7
42	Silica Nanoparticles and Surface Silanization for the Fabrication of Water-Repellent Cotton Fibers. ACS Applied Nano Materials, 2022, 5, 4634-4647.	2.4	7
43	Ordered porous carbons from hydrothermally treated biomass: Effects of the thermal treatments on the structure and porosity. Vibrational Spectroscopy, 2020, 111, 103175.	1.2	5
44	A homovalent doping in PMN ceramics by using lithium and scandium cations. Materials Chemistry and Physics, 2008, 112, 886-891.	2.0	3
45	Nanotoxicology of Carbon-Based Nanomaterials. Nanomedicine and Nanotoxicology, 2016, , 105-137.	0.1	2
46	Nanomaterials Properties of Environmental Interest and How to Assess Them. , 2019, , 45-105.		2
47	Silver Nanocoatings at Large Length Scales: Influence of the AgNPs Morphology and Capping Agents on the Coating Chemical Stability and Antimicrobial Effect. Journal of the Brazilian Chemical Society, 2016, , .	0.6	1
48	Bioremediation and Biotransformation of Carbon Nanostructures Through Enzymatic and Microbial Systems. , 2014, , 101-121.		0