

Andreia Fonseca de Faria

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.

34
papers

3,483
citations

21
h-index

39
g-index

39
ext. papers

3,968
ext. citations

7.6
avg. IF

5.75
L-index

#	Paper	IF	Citations
34	Machine Learning and Natural Language Processing Enable a Data-Oriented Experimental Design Approach for Producing Biochar and Hydrochar from Biomass. <i>Chemistry of Materials</i> , 2022 , 34, 979-990	9.6	4
33	Electroless deposition of copper nanoparticles integrates polydopamine coating on reverse osmosis membranes for efficient biofouling mitigation.. <i>Water Research</i> , 2022 , 217, 118375	12.5	1
32	Sustainable Cellulose Nanocrystals for Improved Antimicrobial Properties of Thin Film Composite Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6534-6540	8.3	4
31	Physical Membrane-Stress-Mediated Antimicrobial Properties of Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3203-3212	8.3	9
30	Microbe Decontamination of Water 2019 , 151-185		
29	Elucidating the Role of Oxidative Debris in the Antimicrobial Properties of Graphene Oxide. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1164-1174	5.6	25
28	Cellulose acetate membrane embedded with graphene oxide-silver nanocomposites and its ability to suppress microbial proliferation. <i>Cellulose</i> , 2017 , 24, 781-796	5.5	21
27	Mitigation of Biofilm Development on Thin-Film Composite Membranes Functionalized with Zwitterionic Polymers and Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2017 , 51, 182-191	10.3	137
26	Thin-film composite forward osmosis membranes functionalized with graphene oxide-silver nanocomposites for biofouling control. <i>Journal of Membrane Science</i> , 2017 , 525, 146-156	9.6	137
25	Genomic and chemical insights into biosurfactant production by the mangrove-derived strain <i>Bacillus safensis</i> CCMA-560. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 3155-67	5.7	25
24	Improved antibacterial activity of nanofiltration polysulfone membranes modified with silver nanoparticles. <i>Water Research</i> , 2015 , 81, 333-42	12.5	95
23	Antimicrobial Properties of Graphene Oxide Nanosheets: Why Size Matters. <i>ACS Nano</i> , 2015 , 9, 7226-36	16.7	620
22	Antimicrobial Electrospun Biopolymer Nanofiber Mats Functionalized with Graphene Oxide-Silver Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12751-9	9.5	213
21	Environmental applications of graphene-based nanomaterials. <i>Chemical Society Reviews</i> , 2015 , 44, 5861-98	98.5	1022
20	Interaction of Graphene Oxide with Bacterial Cell Membranes: Insights from Force Spectroscopy. <i>Environmental Science and Technology Letters</i> , 2015 , 2, 112-117	11	135
19	Inhibition of bacterial adhesion on cellulose acetate membranes containing silver nanoparticles. <i>Cellulose</i> , 2015 , 22, 3895-3906	5.5	25
18	Graphene oxide-silver nanocomposite as a promising biocidal agent against methicillin-resistant <i>Staphylococcus aureus</i> . <i>International Journal of Nanomedicine</i> , 2015 , 10, 6847-61	7.3	87

17	Fabrication of transparent and ultraviolet shielding composite films based on graphene oxide and cellulose acetate. <i>Carbohydrate Polymers</i> , 2015 , 123, 217-27	10.3	98
16	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
15	Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , 2014 , 1-29	0.3	1
14	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
13	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
12	Structural and Morphological Investigations of Cyclodextrin-Coated Silver Nanoparticles. <i>Microscopy and Microanalysis</i> , 2014 , 20, 2114-2115	0.5	1
11	Production and characterization of surface-active compounds from <i>Gordonia amicalis</i> . <i>Brazilian Archives of Biology and Technology</i> , 2014 , 57, 138-144	1.8	9
10	Toxicity of Nanomaterials to Microorganisms: Mechanisms, Methods, and New Perspectives. <i>Nanomedicine and Nanotoxicology</i> , 2014 , 363-405	0.3	5
9	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
8	Structural and morphological investigations of cyclodextrin-coated silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 118, 289-97	6	41
7	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
6	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
5	Purification and structural characterization of fengycin homologues produced by <i>Bacillus subtilis</i> LSFM-05 grown on raw glycerol. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011 , 38, 863-71	4.2	26
4	Oil Recovery From Fuel Oil Storage Tank Sludge Using Biosurfactants. <i>Journal of Bioremediation & Biodegradation</i> , 2011 , 02,	0.5	8
3	Production of xylooligosaccharides from enzymatic hydrolysis of xylan by white-rot fungi <i>Pleurotus</i> . <i>Acta Scientiarum - Technology</i> , 2010 , 32,	0.5	2
2	Bioremediation of a polyaromatic hydrocarbon contaminated soil by native soil microbiota and bioaugmentation with isolated microbial consortia. <i>Bioresource Technology</i> , 2009 , 100, 4669-75	11	114
1	Enhancing the anti-fouling and fouling removal properties of thin-film composite membranes through an intercalated functionalization method. <i>Environmental Science: Water Research and Technology</i> ,	4.2	1