

Andreia Fonseca de Faria

List of Publications by Year in descending order

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38
papers

4,453
citations

293460

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docs citations

39
times ranked

8775
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.2	28
2	“Attacking” Anti-biofouling Strategy Enabled by Cellulose Nanocrystals “Silver Materials. <i>ACS Applied Bio Materials</i> , 2022, 5, 1025-1037.	2.3	14
3	Silica Nanoparticles and Surface Silanization for the Fabrication of Water-Repellent Cotton Fibers. <i>ACS Applied Nano Materials</i> , 2022, 5, 4634-4647.	2.4	7
4	Electroless deposition of copper nanoparticles integrates polydopamine coating on reverse osmosis membranes for efficient biofouling mitigation. <i>Water Research</i> , 2022, 217, 118375.	5.3	25
5	Facile preparation of anti-biofouling reverse osmosis membrane embedded with polydopamine-nano copper functionality: Performance and mechanism. <i>Journal of Membrane Science</i> , 2022, 658, 120721.	4.1	10
6	Physical Membrane-Stress-Mediated Antimicrobial Properties of Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3203-3212.	3.2	29
7	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
8	Microbe Decontamination of Water. , 2019, , 151-185.		0
9	Elucidating the Role of Oxidative Debris in the Antimicrobial Properties of Graphene Oxide. <i>ACS Applied Nano Materials</i> , 2018, 1, 1164-1174.	2.4	42
10	Cellulose acetate membrane embedded with graphene oxide-silver nanocomposites and its ability to suppress microbial proliferation. <i>Cellulose</i> , 2017, 24, 781-796.	2.4	32
11	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.	4.6	180
12	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.	4.1	180
13	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.	3.3	111
14	Fabrication of transparent and ultraviolet shielding composite films based on graphene oxide and cellulose acetate. <i>Carbohydrate Polymers</i> , 2015, 123, 217-227.	5.1	123
15	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, 3155-3167.	1.7	30
16	Improved antibacterial activity of nanofiltration polysulfone membranes modified with silver nanoparticles. <i>Water Research</i> , 2015, 81, 333-342.	5.3	119
17	Antimicrobial Properties of Graphene Oxide Nanosheets: Why Size Matters. <i>ACS Nano</i> , 2015, 9, 7226-7236.	7.3	806
18	Antimicrobial Electrospun Biopolymer Nanofiber Mats Functionalized with Graphene Oxide “Silver Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12751-12759.	4.0	256

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19	Environmental applications of graphene-based nanomaterials. <i>Chemical Society Reviews</i> , 2015, 44, 5861-5896.	18.7	1,236
20	Interaction of Graphene Oxide with Bacterial Cell Membranes: Insights from Force Spectroscopy. <i>Environmental Science and Technology Letters</i> , 2015, 2, 112-117.	3.9	164
21	Inhibition of bacterial adhesion on cellulose acetate membranes containing silver nanoparticles. <i>Cellulose</i> , 2015, 22, 3895-3906.	2.4	35
22	Production and characterization of surface-active compounds from <i>Gordonia amicalis</i> . <i>Brazilian Archives of Biology and Technology</i> , 2014, 57, 138-144.	0.5	11
23	Toxicity of Nanomaterials to Microorganisms: Mechanisms, Methods, and New Perspectives. <i>Nanomedicine and Nanotoxicology</i> , 2014, , 363-405.	0.1	7
24	Anti-adhesion and antibacterial activity of silver nanoparticles supported on graphene oxide sheets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 115-124.	2.5	342
25	Structural and morphological investigations of β -cyclodextrin-coated silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 289-297.	2.5	52
26	Eco-friendly decoration of graphene oxide with biogenic silver nanoparticles: antibacterial and antibiofilm activity. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	75
27	Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , 2014, , 1-29.	0.1	2
28	Noncovalent Interaction with Graphene Oxide: The Crucial Role of Oxidative Debris. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2187-2193.	1.5	52
29	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.	1.8	17
30	Structural and Morphological Investigations of β -Cyclodextrin-Coated Silver Nanoparticles. <i>Microscopy and Microanalysis</i> , 2014, 20, 2114-2115.	0.2	1
31	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
32	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.	1.8	152
33	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, 863-871.	1.4	39
34	Oil Recovery From Fuel Oil Storage Tank Sludge Using Biosurfactants. <i>Journal of Bioremediation & Biodegradation</i> , 2011, 02, .	0.5	18
35	Production of xylooligosaccharides from enzymatic hydrolysis of xylan by white-rot fungi <i>Pleurotus</i> . <i>Acta Scientiarum - Technology</i> , 2010, 32, .	0.4	4
36	Application of molecular fingerprinting for analysis of a PAH-contaminated soil microbiota growing in the presence of complex PAHs. <i>Acta Scientiarum - Biological Sciences</i> , 2010, 32, .	0.3	1

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37	Bioremediation of a polyaromatic hydrocarbon contaminated soil by native soil microbiota and bioaugmentation with isolated microbial consortia. <i>Bioresource Technology</i> , 2009, 100, 4669-4675.	4.8	131
38	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> , 0, ..	1.2	10