

Si Amar Dahoumane

List of Publications by Year in descending order

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33
papers

1,717
citations

304602

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414303

32
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34
all docs

34
docs citations

34
times ranked

2029
citing authors

#	ARTICLE	IF	CITATIONS
1	Algae-mediated biosynthesis of inorganic nanomaterials as a promising route in nanobiotechnology â€” a review. <i>Green Chemistry</i> , 2017, 19, 552-587.	4.6	187
2	ZnO Nanoparticles: Synthesis, Characterization, and Ecotoxicological Studies. <i>Langmuir</i> , 2010, 26, 6522-6528.	1.6	171
3	Functionalization of nanomaterials with aryldiazonium salts. <i>Advances in Colloid and Interface Science</i> , 2015, 225, 16-36.	7.0	139
4	Protein-Functionalized Hairy Diamond Nanoparticles. <i>Langmuir</i> , 2009, 25, 9633-9638.	1.6	110
5	Green Synthesis of Selenium and Tellurium Nanoparticles: Current Trends, Biological Properties and Biomedical Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 989.	1.8	88
6	Biosynthesis of Inorganic Nanoparticles: A Fresh Look at the Control of Shape, Size and Composition. <i>Bioengineering</i> , 2017, 4, 14.	1.6	83
7	A global approach of the mechanism involved in the biosynthesis of gold colloids using micro-algae. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	71
8	Noble metal, oxide and chalcogenide-based nanomaterials from scalable phototrophic culture systems. <i>Enzyme and Microbial Technology</i> , 2016, 95, 13-27.	1.6	67
9	High conversion synthesis of 10\AA starch-stabilized silver nanoparticles using microwave technology. <i>Scientific Reports</i> , 2018, 8, 5106.	1.6	66
10	Improvement of kinetics, yield, and colloidal stability of biogenic gold nanoparticles using living cells of <i>Euglena gracilis</i> microalga. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	61
11	Electroless ultrasonic functionalization of diamond nanoparticles using aryl diazonium salts. <i>Diamond and Related Materials</i> , 2008, 17, 1881-1887.	1.8	57
12	Recycling and adaptation of <i>Klebsormidium flaccidum</i> microalgae for the sustained production of gold nanoparticles. <i>Biotechnology and Bioengineering</i> , 2012, 109, 284-288.	1.7	57
13	Biosynthetic Conversion of Ag ⁺ to highly Stable Ag ₀ Nanoparticles by Wild Type and Cell Wall Deficient Strains of <i>Chlamydomonas reinhardtii</i> . <i>Molecules</i> , 2019, 24, 98.	1.7	56
14	Species selection for the design of gold nanobioreactor by photosynthetic organisms. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	55
15	Stoichiometrically controlled production of bimetallic Gold-Silver alloy colloids using micro-alga cultures. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 67-72.	5.0	55
16	Photochemical Synthesis of Gold and Silver Nanoparticlesâ€”A Review. <i>Molecules</i> , 2021, 26, 4585.	1.7	52
17	A Mechanistic View of the Light-Induced Synthesis of Silver Nanoparticles Using Extracellular Polymeric Substances of <i>Chlamydomonas reinhardtii</i> . <i>Molecules</i> , 2019, 24, 3506.	1.7	38
18	Microalgae: An outstanding tool in nanotechnology. <i>Revista Bionatura</i> , 2016, 1, .	0.1	38

#	ARTICLE	IF	CITATIONS
19	Evaluating microwave-synthesized silver nanoparticles from silver nitrate with life cycle assessment techniques. <i>Science of the Total Environment</i> , 2018, 636, 936-943.	3.9	36
20	Optimized production of antibacterial copper oxide nanoparticles in a microwave-assisted synthesis reaction using response surface methodology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 573, 170-178.	2.3	36
21	Individual and Combined Effects of Extracellular Polymeric Substances and Whole Cell Components of <i>Chlamydomonas reinhardtii</i> on Silver Nanoparticle Synthesis and Stability. <i>Molecules</i> , 2019, 24, 956.	1.7	31
22	Design of magnetic akaganeite-cyanobacteria hybrid biofilms. <i>Thin Solid Films</i> , 2010, 518, 5432-5436.	0.8	28
23	Biomedical Science to Tackle the COVID-19 Pandemic: Current Status and Future Perspectives. <i>Molecules</i> , 2020, 25, 4620.	1.7	23
24	In Vivo Biosynthesis of Inorganic Nanomaterials Using Eukaryotes—A Review. <i>Molecules</i> , 2020, 25, 3246.	1.7	21
25	Ecotoxicological Studies of CdS Nanoparticles on Photosynthetic Microorganisms. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1852-1858.	0.9	19
26	Natural Biomaterials from Biodiversity for Healthcare Applications. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101389.	3.9	19
27	Sugar-Mediated Green Synthesis of Silver Selenide Semiconductor Nanocrystals under Ultrasound Irradiation. <i>Molecules</i> , 2020, 25, 5193.	1.7	17
28	Sol-Gel-Derived Materials for Production of Pin-Printed Reporter Gene Living-Cell Microarrays. <i>Analytical Chemistry</i> , 2013, 85, 12108-12117.	3.2	12
29	Polytetrafluoroethylene-like Nanoparticles as a Promising Contrast Agent for Dual Modal Ultrasound and X-ray Bioimaging. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1181-1191.	2.6	9
30	Biogenic Sulfur-Based Chalcogenide Nanocrystals: Methods of Fabrication, Mechanistic Aspects, and Bio-Applications. <i>Molecules</i> , 2022, 27, 458.	1.7	7
31	Sonochemical synthesis of porous gold nano- and microparticles in a Rosette cell. <i>Ultrasonics Sonochemistry</i> , 2021, 79, 105744.	3.8	6
32	Bimodal Ultrasound and X-ray Bioimaging Properties of Particulate Calcium Fluoride Biomaterial. <i>Molecules</i> , 2021, 26, 5447.	1.7	1
33	High-Throughput Screening for the Production of Biomaterials: A New Tool for the Study of the Interactions Between Materials and Biological Species. , 2014, , 995-1021.		1