

Silgia Aparecida da Costa

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,556
citations

471509

17
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

2156
citing authors

#	ARTICLE	IF	CITATIONS
1	Decolorization and Detoxification of Textile Dyes with a Laccase from <i>Trametes hirsuta</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 3357-3362.	3.1	644
2	Hydrogen peroxide generation with immobilized glucose oxidase for textile bleaching. <i>Journal of Biotechnology</i> , 2002, 93, 87-94.	3.8	124
3	Immobilization of catalases from <i>Bacillus SF</i> on alumina for the treatment of textile bleaching effluents. <i>Enzyme and Microbial Technology</i> , 2001, 28, 815-819.	3.2	105
4	Studies of stabilization of native catalase using additives. <i>Enzyme and Microbial Technology</i> , 2002, 30, 387-391.	3.2	79
5	Use of sugar cane straw as a source of cellulose for textile fiber production. <i>Industrial Crops and Products</i> , 2013, 42, 189-194.	5.2	70
6	Thermo-alkali-stable catalases from newly isolated <i>Bacillus sp.</i> for the treatment and recycling of textile bleaching effluents. <i>Journal of Biotechnology</i> , 2001, 89, 147-153.	3.8	64
7	Natural dye from <i>Croton urucurana</i> Baill. bark: Extraction, physicochemical characterization, textile dyeing and color fastness properties. <i>Dyes and Pigments</i> , 2020, 173, 107953.	3.7	62
8	Surface Engineered Carboxymethylchitosan/Poly(amidoamine) Dendrimer Nanoparticles for Intracellular Targeting. <i>Advanced Functional Materials</i> , 2008, 18, 1840-1853.	14.9	56
9	Nucleation and growth of biomimetic apatite layers on 3D plotted biodegradable polymeric scaffolds: Effect of static and dynamic coating conditions. <i>Acta Biomaterialia</i> , 2009, 5, 1626-1638.	8.3	53
10	Novel hydroxyapatite/carboxymethylchitosan composite scaffolds prepared through an innovative autocatalytic electroless coprecipitation route. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 470-480.	4.0	45
11	Micro-computed tomography (μ -CT) as a potential tool to assess the effect of dynamic coating routes on the formation of biomimetic apatite layers on 3D-plotted biodegradable polymeric scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 211-223.	3.6	43
12	Fibers Obtained from Alginate, Chitosan and Hybrid Used in the Development of Scaffolds. <i>Materials Research</i> , 2017, 20, 377-386.	1.3	34
13	Blocking erythemally weighted UV radiation using cotton fabrics functionalized with ZnO nanoparticles in situ. <i>Applied Surface Science</i> , 2019, 469, 204-212.	6.1	34
14	Bromelain immobilization in cellulose triacetate nanofiber membranes from sugarcane bagasse by electrospinning technique. <i>Enzyme and Microbial Technology</i> , 2020, 132, 109384.	3.2	33
15	Recycling of textile bleaching effluents for dyeing using immobilized catalase. <i>Biotechnology Letters</i> , 2002, 24, 173-176.	2.2	31
16	Immobilisation of catalase on the surface of biodegradable starch-based polymers as a way to change its surface characteristics. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 335-342.	3.6	22
17	Partitioning of xylanolytic complex from <i>Penicillium janthinellum</i> by an aqueous two-phase system. <i>Biomedical Applications</i> , 2000, 743, 339-348.	1.7	18
18	Polypropylene Composites Reinforced with Biodegraded Sugarcane Bagasse Fibers: Static and Dynamic Mechanical Properties. <i>Materials Research</i> , 2016, 19, 75-83.	1.3	13

#	ARTICLE	IF	CITATIONS
19	Biophysical and biological characterization of intraoral multilayer membranes as potential carriers: A new drug delivery system for dentistry. <i>Materials Science and Engineering C</i> , 2017, 71, 498-503.	7.3	9
20	In Vitro Antimicrobial Effect of Bioadhesive Oral Membrane with Chlorhexidine Gel. <i>Brazilian Dental Journal</i> , 2018, 29, 354-358.	1.1	7
21	Pulp repair response after the use of a dentin-pulp biostimulation membrane (BBio) in primary teeth: study protocol for a randomized clinical trial. <i>Trials</i> , 2020, 21, 874.	1.6	6
22	<i>Copaifera langsdorffii</i> Desf. bark extract: optimisation of dyeing conditions to wool and colour fastness properties. <i>Natural Product Research</i> , 2022, 36, 3744-3749.	1.8	4
23	Development of natural polymeric microcapsules for antimicrobial drug delivery: triclosan loaded chitosan and alginate-based microcapsules. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 1477-1486.	2.0	0
24	Physicochemical and Biological Properties of A Biostimulating Membrane (BBio) for Pulp Capping. <i>Materials Letters</i> , 2021, , 131186.	2.6	0