

Teresa Amorim

List of Publications by Year in descending order

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47
papers

1,757
citations

331642

21
h-index

276858

41
g-index

48
all docs

48
docs citations

48
times ranked

2284
citing authors

#	ARTICLE	IF	CITATIONS
1	Silica aerogel composites with embedded fibres: a review on their preparation, properties and applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22768-22802.	10.3	208
2	Poly(Vinyl Alcohol)-Based Nanofibrous Electrospun Scaffolds for Tissue Engineering Applications. <i>Polymers</i> , 2020, 12, 7.	4.5	141
3	Functionalization of electrospun polymeric wound dressings with antimicrobial peptides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 133-148.	5.0	122
4	Decolorization of an anthraquinone-type dye using a laccase formulation. <i>Bioresource Technology</i> , 2001, 79, 171-177.	9.6	118
5	Size and Aging Effects on Antimicrobial Efficiency of Silver Nanoparticles Coated on Polyamide Fabrics Activated by Atmospheric DBD Plasma. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13731-13744.	8.0	103
6	Electrospun Nanocomposites Containing Cellulose and Its Derivatives Modified with Specialized Biomolecules for an Enhanced Wound Healing. <i>Nanomaterials</i> , 2020, 10, 557.	4.1	97
7	Activity of Specialized Biomolecules against Gram-Positive and Gram-Negative Bacteria. <i>Antibiotics</i> , 2020, 9, 314.	3.7	77
8	Degradation of mixtures of phenols using boron doped diamond electrodes for wastewater treatment. <i>Electrochimica Acta</i> , 2004, 49, 1587-1595.	5.2	62
9	Sustainability issues of ultrasonic wool dyeing with grape pomace colourant. <i>Natural Product Research</i> , 2017, 31, 1655-1662.	1.8	57
10	Antibacterial Electrospun Poly(vinyl alcohol)/Enzymatic Synthesized Poly(catechol) Nanofibrous Midlayer Membrane for Ultrafiltration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33107-33118.	8.0	50
11	Functional finishing of polyamide fabrics using ZnO@PMMA nanocomposites. <i>Journal of Materials Science</i> , 2010, 45, 2427-2435.	3.7	46
12	Development of electrospun photocatalytic TiO ₂ -polyamide-12 nanocomposites. <i>Materials Chemistry and Physics</i> , 2015, 164, 91-97.	4.0	38
13	Eugenol-Containing Essential Oils Loaded onto Chitosan/Polyvinyl Alcohol Blended Films and Their Ability to Eradicate <i>Staphylococcus aureus</i> or <i>Pseudomonas aeruginosa</i> from Infected Microenvironments. <i>Pharmaceutics</i> , 2021, 13, 195.	4.5	37
14	Upgrading of UV Protection Properties of Several Textile Fabrics by Their Dyeing with Grape Pomace Colorants. <i>Fibers and Polymers</i> , 2018, 19, 307-312.	2.1	36
15	Control of irreversible fouling by application of dynamic membranes. <i>Desalination</i> , 2006, 192, 63-67.	8.2	27
16	Synthesis of cellulose acetate using as raw material textile wastes. <i>Materials Today: Proceedings</i> , 2020, 31, S315-S317.	1.8	26
17	Antimicrobial action and clotting time of thin, hydrated poly(vinyl alcohol)/cellulose acetate films functionalized with LL37 for prospective wound healing applications. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48626.	2.6	25
18	Physical, Thermal, and Antibacterial Effects of Active Essential Oils with Potential for Biomedical Applications Loaded onto Cellulose Acetate/Polycaprolactone Wet-Spun Microfibers. <i>Biomolecules</i> , 2020, 10, 1129.	4.0	24

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19	Bioactivity of Chitosan-Based Particles Loaded with Plant-Derived Extracts for Biomedical Applications: Emphasis on Antimicrobial Fiber-Based Systems. <i>Marine Drugs</i> , 2021, 19, 359.	4.6	23
20	Characterisation of ultrafiltration and nanofiltration membranes from rejections of neutral reference solutes using a model of asymmetric pores. <i>Journal of Membrane Science</i> , 2008, 319, 64-75.	8.2	22
21	Ultrafiltration of supercoiled plasmid DNA: Modeling and application. <i>Journal of Membrane Science</i> , 2011, 378, 280-289.	8.2	22
22	Postsynthesis modification of a cellulose acetate ultrafiltration membrane for applications in water and wastewater treatment. <i>Environmental Progress</i> , 2005, 24, 367-382.	0.7	21
23	Development of a model for membrane filtration of long and flexible macromolecules: Application to predict dextran and linear DNA rejections in ultrafiltration. <i>Journal of Membrane Science</i> , 2009, 336, 61-70.	8.2	18
24	Morphology and water flux of produced cellulose acetate membranes reinforced by the design of experiments (DOE). <i>Carbohydrate Polymers</i> , 2021, 254, 117407.	10.2	18
25	Carboxymethylcellulose obtained by ethanol/water organosolv process under acid conditions. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 573-582.	2.9	16
26	Cellulosic Films Obtained from the Treatment of Sugarcane Bagasse Fibers with N-methylmorpholine-N-oxide (NMMO). <i>Applied Biochemistry and Biotechnology</i> , 2009, 154, 38-47.	2.9	14
27	Plasmid DNA recovery from fermentation broths by a combined process of micro- and ultrafiltration: Modeling and application. <i>Journal of Membrane Science</i> , 2012, 415-416, 24-35.	8.2	14
28	A bi-layer electrospun nanofiber membrane for plasmid DNA recovery from fermentation broths. <i>Separation and Purification Technology</i> , 2013, 112, 20-25.	7.9	14
29	Functionalization of Crosslinked Sodium Alginate/Gelatin Wet-Spun Porous Fibers with Nisin Z for the Inhibition of <i>Staphylococcus aureus</i> -Induced Infections. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1930.	4.1	14
30	Drug Targeting of Inflammatory Bowel Diseases by Biomolecules. <i>Nanomaterials</i> , 2021, 11, 2035.	4.1	14
31	Tiger 17 and pexiganan as antimicrobial and hemostatic boosters of cellulose acetate-containing poly(vinyl alcohol) electrospun mats for potential wound care purposes. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1526-1541.	7.5	14
32	New method to produce poly(vinyl alcohol)/cellulose acetate films with improved antibacterial action. <i>Materials Today: Proceedings</i> , 2020, 31, S269-S272.	1.8	12
33	Obtention of plant peroxidase and its potential for the decolorization of the reactive dye Remazol Turquoise G 133%. <i>Water Science and Technology</i> , 2012, 65, 669-675.	2.5	11
34	Porous composites based on cellulose acetate and alfa-hematite with optical and antimicrobial properties. <i>Carbohydrate Polymers</i> , 2020, 241, 116362.	10.2	11
35	The Potential of the Reed as a Regenerative Building Material—Characterisation of Its Durability, Physical, and Thermal Performances. <i>Energies</i> , 2021, 14, 4276.	3.1	11
36	Novel copolymer for SiO ₂ nanoparticles dispersion. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1553-1561.	2.6	10

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37	Modification of microfiltration membranes by hydrogel impregnation for p<scp>DNA</scp> purification. Journal of Applied Polymer Science, 2015, 132, .	2.6	10
38	Plasmid DNA/RNA separation by ultrafiltration: Modeling and application study. Journal of Membrane Science, 2014, 463, 1-10.	8.2	8
39	Anaerobic decolorization of an azo dye by a mixed culture. Toxicological and Environmental Chemistry, 2001, 79, 81-93.	1.2	7
40	Textile waste-reinforced cotton-silica aerogel composites for moisture regulation and thermal/acoustic barrier. Journal of Sol-Gel Science and Technology, 2022, 102, 574-588.	2.4	7
41	Green Optimization of Glutaraldehyde Vapor-Based Crosslinking on Poly(Vinyl Alcohol)/Cellulose Acetate Electrospun Mats for Applications as Chronic Wound Dressings. Proceedings (mdpi), 2020, 69, .	0.2	6
42	Carbonation Front Progress in Mortars Containing Fly Ash Considering the Presence of Chloride Ions. Key Engineering Materials, 2014, 634, 214-221.	0.4	4
43	Characterisation of ultra- and nanofiltration membranes for predictive purposes “ development of a model for hindered transport of uncharged solutes in asymmetric pores. Desalination, 2006, 200, 152-154.	8.2	1
44	Combining Experimental Data with Statistical Methods to Evaluate Hydrolyzed Reactive Dye Removal by \pm -Fe ₂ O ₃ in a Cellulose-Based Membrane. Fibers, 2021, 9, 61.	4.0	1
45	Modification of Ca ²⁺ -Crosslinked Sodium Alginate/Gelatin Films with Propolis for an Improved Antimicrobial Action. , 2020, 69, .		1
46	Combinatory Action of Chitosan-Based Blended Films and Loaded Cajeput Oil against Staphylococcus aureus and Pseudomonas aeruginosa-Mediated Infections. , 2020, 69, .		0
47	Activity of Wet-Spun Fibers Chemically Modified with Active Biomolecules against Gram-Positive and Gram-Negative Bacteria. Materials Proceedings, 2021, 4, 85.	0.2	0