Morsyleide de Freitas Rosa

List of Publications by Year
in descending order

101 papers	5,646 citations	117453 34 h-index	79541 73 g-index
102 all docs	102 docs citations	102 times ranked	6763 citing authors

#	Article	IF	Citations
1	Progress in Organosolv and Steam Explosion Pretreatments of Oil Palm Fibers for Biomacromolecules Extraction. Journal of Natural Fibers, 2022, 19, 10708-10722.	1.7	4
2	Optimization by Response Surface Methodology of Ethanosolv Lignin Recovery from Coconut Fiber, Oil Palm Mesocarp Fiber, and Sugarcane Bagasse. Industrial & Engineering Chemistry Research, 2022, 61, 4058-4067.	1.8	4
3	Physical Characterization of Material for the Development of Orthopedic Orthosis for Diabetic Foot. Processes, 2022, 10, 884.	1.3	0
4	Cellulose nanocrystals-reinforced core-shell hydrogels for sustained release of fertilizer and water retention. International Journal of Biological Macromolecules, 2022, 216, 24-31.	3.6	27
5	Hierarchical zeolite based on multiporous zeolite A and bacterial cellulose: An efficient adsorbent of Pb2+. Microporous and Mesoporous Materials, 2021, 312, 110752.	2.2	10
6	Films from cashew byproducts: cashew gum and bacterial cellulose from cashew apple juice. Journal of Food Science and Technology, 2021, 58, 1979-1986.	1.4	12
7	Advances in Bacterial Cellulose/Strontium Apatite Composites for Bone Applications. Polymer Reviews, 2021, 61, 736-764.	5.3	12
8	Steam explosion pretreatment improves acetic acid organosolv delignification of oil palm mesocarp fibers and sugarcane bagasse. International Journal of Biological Macromolecules, 2021, 175, 304-312.	3.6	35
9	Corn starch based films treated by dielectric barrier discharge plasma. International Journal of Biological Macromolecules, 2021, 183, 2009-2016.	3.6	22
10	All-cellulose nanocomposite films based on bacterial cellulose nanofibrils and nanocrystals. Food Packaging and Shelf Life, 2021, 29, 100715.	3.3	21
11	Development of an integrated process to produce CNFs and lignin and its potential applications for agrochemical delivery. Cellulose, 2021, 28, 10891-10904.	2.4	5
12	Komagataeibacter intermedius V-05: An Acetic Acid Bacterium Isolated from Vinegar Industry, with High Capacity for Bacterial Cellulose Production in Soybean Molasses Medium. Food Technology and Biotechnology, 2021, 59, 432-442.	0.9	8
13	Steam explosion pretreatment to obtain eco-friendly building blocks from oil palm mesocarp fiber. Industrial Crops and Products, 2020, 143, 111907.	2.5	32
14	From Magneto-Dielectric Biocomposite Films to Microstrip Antenna Devices. Journal of Composites Science, 2020, 4, 144.	1.4	10
15	Papain immobilized on alginate membrane for wound dressing application. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111222.	2.5	30
16	From cashew byproducts to biodegradable active materials: Bacterial cellulose-lignin-cellulose nanocrystal nanocomposite films. International Journal of Biological Macromolecules, 2020, 161, 1337-1345.	3.6	43
17	Biocomposite based on nanoscale calcium phosphate and collagen from Nile tilapia (Oreochromis) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	4
18	Bacterial cellulose aerogels: Influence of oxidation and silanization on mechanical and absorption properties. Carbohydrate Polymers, 2020, 250, 116927.	5.1	38

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19	Papain immobilization on heterofunctional membrane bacterial cellulose as a potential strategy for the debridement of skin wounds. International Journal of Biological Macromolecules, 2020, 165, 3065-3077.	3.6	19
20	Resorbable bacterial cellulose membranes with strontium release for guided bone regeneration. Materials Science and Engineering C, 2020, 116, 111175.	3.8	27
21	Oxidized bacterial cellulose membrane as support for enzyme immobilization: properties and morphological features. Cellulose, 2020, 27, 3055-3083.	2.4	45
22	In vitro degradability and bioactivity of oxidized bacterial cellulose-hydroxyapatite composites. Carbohydrate Polymers, 2020, 237, 116174.	5.1	39
23	Comparative analysis of different chlorine-free extraction on oil palm mesocarp fiber. Industrial Crops and Products, 2020, 150, 112305.	2.5	23
24	An approach for implementing ecodesign at early research stage: A case study of bacterial cellulose production. Journal of Cleaner Production, 2020, 269, 122245.	4.6	12
25	Use of Bacterial Nanocellulose for Pickering Stabilization of Methyl Methacrylate Suspension Polymerizations. Macromolecular Symposia, 2020, 394, 2000160.	0.4	0
26	Coir Fibers as Valuable Raw Material for Biofuel Pellet Production. Waste and Biomass Valorization, 2019, 10, 3535-3543.	1.8	19
27	Mango kernel starch films as affected by starch nanocrystals and cellulose nanocrystals. Carbohydrate Polymers, 2019, 211, 209-216.	5.1	94
28	PainÃ©is de partÃculas elaborados do mesocarpo do dendÃª como alternativa ao MDF utilizado na construÃ§Ã£o civil. Engenharia Sanitaria E Ambiental, 2019, 24, 169-176.	0.1	2
29	Stable microfluidized bacterial cellulose suspension. Cellulose, 2019, 26, 5851-5864.	2.4	19
30	Inhalation of Bacterial Cellulose Nanofibrils Triggers an Inflammatory Response and Changes Lung Tissue Morphology of Mice. Toxicological Research, 2019, 35, 45-63.	1.1	19
31	Organic solvent fractionation of acetosolv palm oil lignin: The role of its structure on the antioxidant activity. International Journal of Biological Macromolecules, 2019, 122, 1163-1172.	3.6	48
32	TEMPO oxidation and high-speed blending as a combined approach to disassemble bacterial cellulose. Cellulose, 2019, 26, 2291-2302.	2.4	24
33	Chemically modified cellulose nanocrystals as polyanion for preparation of polyelectrolyte complex. Cellulose, 2019, 26, 1725-1746.	2.4	11
34	Hemocompatibility of 2â€<i>N</i>â€3,6â€<i>O</i>â€sulfated chitosan films. Journal of Applied Polymer Science, 2019, 136, 47128.	1.3	12
35	Effect of tannic acid as crosslinking agent on fish skin gelatin-silver nanocomposite film. Food Packaging and Shelf Life, 2019, 19, 7-15.	3.3	59
36	Fabrication of Fish Gelatin Microfibrous Mats by Solution Blow Spinning. Materials Research, 2019, 22, .	0.6	3

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37	Nanocellulose nanocomposite hydrogels: technological and environmental issues. Green Chemistry, 2018, 20, 2428-2448.	4.6	228
38	Cashew tree wood flour activated with cashew nut shell liquid for the production of functionalized composites. Composite Interfaces, 2018, 25, 93-107.	1.3	5
39	Acetic Acid Bacteria in the Food Industry: Systematics, Characteristics and Applications. Food Technology and Biotechnology, 2018, 56, 139-151.	0.9	175
40	Bacterial cellulose nanofiber-based films incorporating gelatin hydrolysate from tilapia skin: production, characterization and cytotoxicity assessment. Cellulose, 2018, 25, 6011-6029.	2.4	16
41	Strontium delivery systems based on bacterial cellulose and hydroxyapatite for guided bone regeneration. Cellulose, 2018, 25, 6661-6679.	2.4	19
42	Mesquite seed gum and Nile tilapia fish gelatin composite films with cellulose nanocrystals. Pesquisa Agropecuaria Brasileira, 2018, 53, 495-503.	0.9	4
43	Nanocomposite Films from Mango Kernel or Corn Starch with Starch Nanocrystals. Starch/Staerke, 2018, 70, 1800028.	1.1	39
44	Lignocellulosic-Based Nanostructures and Their Use in Food Packaging. , 2018, , 47-69.		5
45	Binderless Fiberboards Made from Unripe Coconut Husks. Waste and Biomass Valorization, 2018, 9, 2245-2254.	1.8	24
46	Nanocellulose in bio-based food packaging applications. Industrial Crops and Products, 2017, 97, 664-671.	2.5	406
47	Wheat straw hemicelluloses added with cellulose nanocrystals and citric acid. Effect on film physical properties. Carbohydrate Polymers, 2017, 164, 317-324.	5.1	87
48	Environmental assessment of bioproducts in development stage: The case of fiberboards made from coconut residues. Journal of Cleaner Production, 2017, 153, 230-241.	4.6	22
49	Bionanocomposite films based on polysaccharides from banana peels. International Journal of Biological Macromolecules, 2017, 101, 1-8.	3.6	45
50	Ecofriendly modification of acetosolv lignin from oil palm biomass for improvement of PMMA thermoâ€oxidative properties. Journal of Applied Polymer Science, 2017, 134, 45498.	1.3	20
51	Bacterial cellulose nanocrystals produced under different hydrolysis conditions: Properties and morphological features. Carbohydrate Polymers, 2017, 155, 425-431.	5.1	218
52	Optimization of the acetosolv extraction of lignin from sugarcane bagasse for phenolic resin production. Industrial Crops and Products, 2017, 96, 80-90.	2.5	51
53	Processing and Properties of PCL/Cotton Linter Compounds. Materials Research, 2017, 20, 317-325.	0.6	23
54	Bacterial Cellulose Production by Komagataeibacter hansenii ATCC 23769 Using Sisal Juice - An Agroindustry Waste. Brazilian Journal of Chemical Engineering, 2017, 34, 671-680.	0.7	34

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55	Rheological, Morphological and Mechanical Characterization of Recycled Poly (Ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7	0.6	6
56	CaracterizaÃ§Ã£o morfolÃ³gica de nanocristais de celulose por microscopia de forÃ§a atÃ´mica. Revista Materia, 2016, 21, 532-540.	0.1	1
57	Pectin extraction from pomegranate peels with citric acid. International Journal of Biological Macromolecules, 2016, 88, 373-379.	3.6	174
58	Fibrous residues of palm oil as a source of green chemical building blocks. Industrial Crops and Products, 2016, 94, 480-489.	2.5	27
59	A comprehensive approach for obtaining cellulose nanocrystal from coconut fiber. Part I: Proposition of technological pathways. Industrial Crops and Products, 2016, 93, 66-75.	2.5	77
60	A comprehensive approach for obtaining cellulose nanocrystal from coconut fiber. Part II: Environmental assessment of technological pathways. Industrial Crops and Products, 2016, 93, 58-65.	2.5	61
61	Optimization of pectin extraction from banana peels with citric acid by using response surface methodology. Food Chemistry, 2016, 198, 113-118.	4.2	193
62	Mesquite (<I>Prosopis juliflora</I> (Sw.)) Extract is an Alternative Nutrient Source for Bacterial Cellulose Production. Journal of Biobased Materials and Bioenergy, 2016, 10, 63-70.	0.1	4
63	Vegetal fibers in polymeric composites: a review. Polimeros, 2015, 25, 9-22.	0.2	163
64	Production of hydroxyapatiteâ€“bacterial cellulose nanocomposites from agroindustrial wastes. Cellulose, 2015, 22, 3177-3187.	2.4	42
65	Development of Chlorine-Free Pulping Method to Extract Cellulose Nanocrystals from Pressed Oil Palm Mesocarp Fibers. Journal of Biobased Materials and Bioenergy, 2015, 9, 372-379.	0.1	14
66	Banana (Musa sp. cv. Pacovan) Pseudostem Fibers are Composed of Varying Lignocellulosic Composition throughout the Diameter. BioResources, 2014, 9, .	0.5	41
67	Polymer Biocomposites and Nanobiocomposites Obtained from Mango Seeds. Macromolecular Symposia, 2014, 344, 39-54.	0.4	26
68	Fish gelatin films as affected by cellulose whiskers and sonication. Food Hydrocolloids, 2014, 41, 113-118.	5.6	84
69	A novel green approach for the preparation of cellulose nanowhiskers from white coir. Carbohydrate Polymers, 2014, 110, 456-463.	5.1	80
70	The use of biomass for packaging films and coatings. , 2014, , 819-874.		27
71	Improvement of polyvinyl alcohol properties by adding nanocrystalline cellulose isolated from banana pseudostems. Carbohydrate Polymers, 2014, 112, 165-172.	5.1	136
72	Extraction and characterization of nanocellulose structures from raw cotton linter. Carbohydrate Polymers, 2013, 91, 229-235.	5.1	439

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73	AbsorÃ§Ã£o de Ã¡gua, solubilidade em Ã¡gua, propriedades mecÃ¢nicas e morfolÃ³gicas de compÃ³sitos de glÃºten de milho e poli(hidroxibutirato-co-valerato) (PHBV) reforÃ§ados com fibras de coco verde. Polimeros, 2013, 23, 807-813.	0.2	3
74	Edible films from alginate-acerola puree reinforced with cellulose whiskers. LWT - Food Science and Technology, 2012, 46, 294-297.	2.5	89
75	Life cycle assessment of cellulose nanowhiskers. Journal of Cleaner Production, 2012, 35, 130-139.	4.6	91
76	Conductive Nanocomposites Based on Cellulose Nanofibrils Coated with Polyanilineâ€DBSA Via <i>In Situ</i> Polymerization. Macromolecular Symposia, 2012, 319, 196-202.	0.4	29
77	Nanoreinforced alginateâ€“acerola puree coatings on acerola fruits. Journal of Food Engineering, 2012, 113, 505-510.	2.7	86
78	Physicochemical and Biological Characterization of Agrowaste from Green Coconut Shell and its Potential Use in Laboratory Animal Breeding. Journal of Solid Waste Technology and Management, 2012, 38, 194-201.	0.2	0
79	ReÃºso da Ã¡gua da despesca na produÃ§Ã£o de camarÃ£o. Revista Brasileira De Engenharia Agricola E Ambiental, 2011, 15, 1314-1320.	0.4	2
80	Environmental performance evaluation of agro-industrial innovations â€“ Part 2: methodological approach for performing vulnerability analysis of watersheds. Journal of Cleaner Production, 2010, 18, 1376-1385.	4.6	6
81	Green coconut shells applied as adsorbent for removal of toxic metal ions using fixed-bed column technology. Journal of Environmental Management, 2010, 91, 1634-1640.	3.8	109
82	Environmental performance evaluation of agro-industrial innovations â€“ part 1: Ambitec-Life Cycle, a methodological approach for considering life cycle thinking. Journal of Cleaner Production, 2010, 18, 1366-1375.	4.6	11
83	Cellulose nanowhiskers from coconut husk fibers: Effect of preparation conditions on their thermal and morphological behavior. Carbohydrate Polymers, 2010, 81, 83-92.	5.1	850
84	Biodegradable composites based on starch/EVOH/glycerol blends and coconut fibers. Journal of Applied Polymer Science, 2009, 111, 612-618.	1.3	27
85	CLASSIFICAÃ‡ÃƒO DA SUSTENTABILIDADE DAS UNIDADES DE PRODUÃ‡ÃƒO AGRÃCOLA NO PERÃMETRO IRRIGADO ARARAS NORTE, CEARÃ Scientia Agraria, 2009, 10, 157.	0.5	1
86	ComposiÃ§Ã£o quÃmica, propriedades mecÃ¢nicas e tÃ©rmicas da fibra de frutos de cultivares de coco verde. Revista Brasileira De Fruticultura, 2009, 31, 837-846.	0.2	33
87	Effect of fiber treatments on tensile and thermal properties of starch/ethylene vinyl alcohol copolymers/coir biocomposites. Bioresource Technology, 2009, 100, 5196-5202.	4.8	261
88	Anaerobic treatment of coconut husk liquor for biogas production. Water Science and Technology, 2009, 59, 1841-1846.	1.2	4
89	Anaerobic treatment of coconut husk liquor for biogas production. Journal of Biotechnology, 2008, 136, S656.	1.9	0
90	Ãndice de sustentabilidade agroambiental para o perÃmetro irrigado Ayres de Souza. Ciencia E Agrotecnologia, 2008, 32, 1272-1279.	1.5	3

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91	AvaliaÃ§Ã£o da vulnerabilidade ambiental de reservatÃ³rios Ã eutrofizaÃ§Ã£o. Engenharia Sanitaria E Ambiental, 2007, 12, 399-409.	0.1	30
92	SeleÃ§Ã£o dos indicadores da qualidade das Ã¡guas superficiais pelo emprego da anÃ¡lise multivariada. Engenharia Agricola, 2007, 27, 683-690.	0.2	36
93	Uso da casca de coco verde como adsorbente na remoÃ§Ã£o de metais tÃ³xicos. Quimica Nova, 2007, 30, 1153-1157.	0.3	39
94	Fatores determinantes da qualidade das Ã¡guas superficiais na bacia do Alto AcaraÃº, CearÃ¡, Brasil. Ciencia Rural, 2007, 37, 1791-1797.	0.3	18
95	Impactos ambientais da carcinicultura de Ã¡guas interiores. Engenharia Sanitaria E Ambiental, 2006, 11, 231-240.	0.1	12
96	A Preliminary Study for the Use of Natural Fibers as Reinforcement in Starch-Gluten-Glycerol Matrix. Macromolecular Symposia, 2006, 245-246, 558-564.	0.4	36
97	Impactos ambientais do lanÃ§amento de efluentes da carcinicultura em Ã¡guas interiores. Engenharia Sanitaria E Ambiental, 2005, 10, 167-174.	0.1	21
98	Uso do pÃ³ da casca de coco na formulaÃ§Ã£o de substratos para formaÃ§Ã£o de mudas enxertadas de cajueiro anÃ£o precoce. Revista Brasileira De Fruticultura, 2003, 25, 557-558.	0.2	14
99	APROVEITAMENTO DE RESÃĐUOS AGROINDUSTRIAIS: PRODUÃ‡ÃƒO DE ENZIMAS A PARTIR DA CASCA DE COCO VERDE. Boletim Centro De Pesquisa De Processamento De Alimentos, 2001, 19, .	0.2	13
100	Biofilm development and ammonia removal in the nitrification of a saline wastewater. Bioresource Technology, 1998, 65, 135-138.	4.8	14
101	SUCO DE CAJU COMO FONTE DE CARBONO PARA A PRODUÃ‡ÃƒO DE CELULOSE BACTERIANA: UMA INVESTIGAÃ‡ÃƒO PRELIMINAR SOBRE O TEMA. , 0, , .		0