Talita Martins Lacerda

List of Publications by Year
in descending order

92 papers	10,377 citations	70961 41 h-index	43802 91 g-index
100 all docs	100 docs citations	100 times ranked	9477 citing authors

#	Article	IF	Citations
1	Furan Polymers: State of the Art and Perspectives. Macromolecular Materials and Engineering, 2022, 307, .	1.7	31
2	Biomimetic Biomaterials Based on Polysaccharides: Recent Progress and Future Perspectives. Macromolecular Chemistry and Physics, 2022, 223, .	1.1	2
3	Monomers and Macromolecular Materials from Renewable Resources: State of the Art and Perspectives. Molecules, 2022, 27, 159.	1.7	19
4	The Prospering of Macromolecular Materials Based on Plant Oils within the Blooming Field of Polymers from Renewable Resources. Polymers, 2021, 13, 1722.	2.0	23
5	Furfuryl alcohol/tung oil matrix-based composites reinforced with bacterial cellulose fibres. Cellulose, 2021, 28, 7109-7121.	2.4	9
6	Recent advances in the production of biomedical systems based on polyhydroxyalkanoates and exopolysaccharides. International Journal of Biological Macromolecules, 2021, 183, 1514-1539.	3.6	16
7	Development of pullulanâ€based carriers for controlled release of hydrophobic ingredients. Journal of Applied Polymer Science, 2021, 138, 51344.	1.3	3
8	Synthesis of amphiphilic pullulan-graft-poly(Îµ-caprolactone) via click chemistry. International Journal of Biological Macromolecules, 2020, 145, 701-711.	3.6	24
9	Copolymers of xylan-derived furfuryl alcohol and natural oligomeric tung oil derivatives. International Journal of Biological Macromolecules, 2020, 164, 2497-2511.	3.6	19
10	The cationic polymerization of tung oil and its fatty-acid methyl ester. Industrial Crops and Products, 2020, 157, 112886.	2.5	14
11	Chemical Modification of Pullulan Exopolysaccharide by Grafting Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBHV) via Click Chemistry. Polymers, 2020, 12, 2527.	2.0	8
12	The contribution of bisfurfurylamine to the development and properties of polyureas. Polymer International, 2020, 69, 688-692.	1.6	6
13	Investigating effects of high cellulase concentration on the enzymatic hydrolysis of the sisal cellulosic pulp. International Journal of Biological Macromolecules, 2019, 138, 919-926.	3.6	7
14	A Novel Approach for the Synthesis of Thermoâ€Responsive Coâ€Polyesters Incorporating Reversible Dielsâ€"Alder Adducts. Macromolecular Chemistry and Physics, 2019, 220, 1900247.	1.1	12
15	Thermally reversible nanocellulose hydrogels synthesized via the furan/maleimide Diels-Alder click reaction in water. International Journal of Biological Macromolecules, 2019, 141, 493-498.	3.6	25
16	Recent advances in surface-modified cellulose nanofibrils. Progress in Polymer Science, 2019, 88, 241-264.	11.8	447
17	Biosurfactants production by yeasts using sugarcane bagasse hemicellulosic hydrolysate as new sustainable alternative for lignocellulosic biorefineries. Industrial Crops and Products, 2019, 129, 212-223.	2.5	77
18	Exopolysaccharide (pullulan) production from sugarcane bagasse hydrolysate aiming to favor the development of biorefineries. International Journal of Biological Macromolecules, 2019, 127, 169-177.	3.6	53

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19	Macromolecular materials based on the application of the Dielsâ€“Alder reaction to natural polymers and plant oils. European Journal of Lipid Science and Technology, 2018, 120, 1700091.	1.0	39
20	Enzymatic hydrolysis of mercerized and unmercerized sisal pulp. Cellulose, 2017, 24, 2437-2453.	2.4	17
21	Furan-modified natural rubber: A substrate for its reversible crosslinking and for clicking it onto nanocellulose. International Journal of Biological Macromolecules, 2017, 95, 762-768.	3.6	25
22	A minimalist furanâ€“maleimide AB-type monomer and its thermally reversible Dielsâ€“Alder polymerization. RSC Advances, 2016, 6, 45696-45700.	1.7	13
23	A Sustainable Route to a Terephthalic Acid Precursor. ChemSusChem, 2016, 9, 942-945.	3.6	26
24	Surface grafting of cellulose nanocrystals with natural antimicrobial rosin mixture using a green process. Carbohydrate Polymers, 2016, 137, 1-8.	5.1	91
25	Progress of Polymers from Renewable Resources: Furans, Vegetable Oils, and Polysaccharides. Chemical Reviews, 2016, 116, 1637-1669.	23.0	610
26	A new approach to blending starch with natural rubber. Polymer International, 2015, 64, 605-610.	1.6	25
27	Recycling Tires? Reversible Crosslinking of Poly(butadiene). Advanced Materials, 2015, 27, 2242-2245.	11.1	135
28	From monomers to polymers from renewable resources: Recent advances. Progress in Polymer Science, 2015, 48, 1-39.	11.8	530
29	Renewable Polymers from Itaconic Acid by Polycondensation and Ring-Opening-Metathesis Polymerization. Macromolecules, 2015, 48, 1398-1403.	2.2	106
30	Furanâ€“chitosan hydrogels based on click chemistry. Iranian Polymer Journal (English Edition), 2015, 24, 349-357.	1.3	20
31	Oxalic acid as a catalyst for the hydrolysis of sisal pulp. Industrial Crops and Products, 2015, 71, 163-172.	2.5	18
32	The Surface and In-Depth Modification of Cellulose Fibers. Advances in Polymer Science, 2015, , 169-206.	0.4	16
33	N-(furfural) chitosan hydrogels based on Dielsâ€“Alder cycloadditions and application as microspheres for controlled drug release. Carbohydrate Polymers, 2015, 128, 220-227.	5.1	71
34	Thermoreversible crosslinked thermoplastic starch. Polymer International, 2015, 64, 1366-1372.	1.6	13
35	Marriage of Furans and Vegetable Oils through Click Chemistry for the Preparation of Macromolecular Materials. Journal of Renewable Materials, 2014, 2, 2-12.	1.1	10
36	Two alternative approaches to the Dielsâ€“Alder polymerization of tung oil. RSC Advances, 2014, 4, 26829.	1.7	32

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37	Sleeving nanocelluloses by admicellar polymerization. Journal of Colloid and Interface Science, 2013, 408, 256-258.	5.0	12
38	Effect of acid concentration and pulp properties on hydrolysis reactions of mercerized sisal. Carbohydrate Polymers, 2013, 93, 347-356.	5.1	25
39	Reversible click chemistry at the service of macromolecular materials. Part 4: Dielsâ€“Alder non-linear polycondensations involving polyfunctional furan and maleimide monomers. Polymer Chemistry, 2013, 4, 1364-1371.	1.9	39
40	The furan/maleimide Dielsâ€“Alder reaction: A versatile clickâ€“unclick tool in macromolecular synthesis. Progress in Polymer Science, 2013, 38, 1-29.	11.8	576
41	Simple Green Approach to Reinforce Natural Rubber with Bacterial Cellulose Nanofibers. Biomacromolecules, 2013, 14, 2667-2674.	2.6	67
42	A straightforward double coupling of furan moieties onto epoxidized triglycerides: synthesis of monomers based on two renewable resources. Green Chemistry, 2013, 15, 1514.	4.6	29
43	Thermoreversible nonlinear dielsâ€alder polymerization of furan/plant oil monomers. Journal of Polymer Science Part A, 2013, 51, 2260-2270.	2.5	43
44	Reversible polymerization of novel monomers bearing furan and plant oil moieties: a double click exploitation of renewable resources. RSC Advances, 2012, 2, 2966.	1.7	44
45	Synthesis of aliphatic suberin-like polyesters by ecofriendly catalytic systems. High Performance Polymers, 2012, 24, 4-8.	0.8	29
46	Adding value to the Brazilian sisal: acid hydrolysis of its pulp seeking production of sugars and materials. Cellulose, 2012, 19, 975-992.	2.4	18
47	Saccharification of Brazilian sisal pulp: evaluating the impact of mercerization on non-hydrolyzed pulp and hydrolysis products. Cellulose, 2012, 19, 351-362.	2.4	19
48	Transparent bionanocomposites with improved properties prepared from acetylated bacterial cellulose and poly(lactic acid) through a simple approach. Green Chemistry, 2011, 13, 419.	4.6	126
49	The irruption of polymers from renewable resources on the scene of macromolecular science and technology. Green Chemistry, 2011, 13, 1061.	4.6	610
50	Novel suberinâ€based biopolyesters: From synthesis to properties. Journal of Polymer Science Part A, 2011, 49, 2281-2291.	2.5	48
51	Synthesis and characterization of poly(2,5â€furan dicarboxylate)s based on a variety of diols. Journal of Polymer Science Part A, 2011, 49, 3759-3768.	2.5	305
52	Novel materials based on chitosan and cellulose. Polymer International, 2011, 60, 875-882.	1.6	89
53	A Double Click Strategy Applied to the Reversible Polymerization of Furan/Vegetable Oil Monomers. Macromolecular Rapid Communications, 2011, 32, 1319-1323.	2.0	36
54	Turning polysaccharides into hydrophobic materials: a critical review. Part 1. Cellulose. Cellulose, 2010, 17, 875-889.	2.4	185

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55	Turning polysaccharides into hydrophobic materials: a critical review. Part 2. Hemicelluloses, chitin/chitosan, starch, pectin and alginates. Cellulose, 2010, 17, 1045-1065.	2.4	146
56	Polymers and copolymers from fatty acid-based monomers. Industrial Crops and Products, 2010, 32, 97-104.	2.5	38
57	Novel bacterial celluloseâ€"acrylic resin nanocomposites. Composites Science and Technology, 2010, 70, 1148-1153.	3.8	96
58	Materials from Renewable Resources. MRS Bulletin, 2010, 35, 187-193.	1.7	32
59	Furans as offspring of sugars and polysaccharides and progenitors of a family of remarkable polymers: a review of recent progress. Polymer Chemistry, 2010, 1, 245-251.	1.9	264
60	Self-reinforced composites obtained by the partial oxypropylation of cellulose fibers. 2. Effect of catalyst on the mechanical and dynamic mechanical properties. Cellulose, 2009, 16, 239-246.	2.4	27
61	The furan counterpart of poly(ethylene terephthalate): An alternative material based on renewable resources. Journal of Polymer Science Part A, 2009, 47, 295-298.	2.5	425
62	New biocomposites based on thermoplastic starch and bacterial cellulose. Composites Science and Technology, 2009, 69, 2163-2168.	3.8	168
63	Self-reinforced composites obtained by the partial oxypropylation of cellulose fibers. 1. Characterization of the materials obtained with different types of fibers. Carbohydrate Polymers, 2009, 76, 437-442.	5.1	39
64	Materials from renewable resources based on furan monomers and furan chemistry: work in progress. Journal of Materials Chemistry, 2009, 19, 8656.	6.7	224
65	Polymers from Renewable Resources: A Challenge for the Future of Macromolecular Materials. Macromolecules, 2008, 41, 9491-9504.	2.2	985
66	The bulk oxypropylation of chitin and chitosan and the characterization of the ensuing polyols. Green Chemistry, 2008, 10, 93-97.	4.6	45
67	What Is the Real Value of Chitosanâ€™s Surface Energy?. Biomacromolecules, 2008, 9, 610-614.	2.6	70
68	Sisal cellulose acetates obtained from heterogeneous reactions. EXPRESS Polymer Letters, 2008, 2, 423-428.	1.1	29
69	A preliminary study of polyureas and poly(parabanic acid)s incorporating furan rings. Polymer Bulletin, 2006, 57, 43-50.	1.7	15
70	Acrylated vegetable oils as photocrosslinkable materials. Journal of Applied Polymer Science, 2006, 99, 3218-3221.	1.3	98
71	Preparation of acrylated and urethanated triacylglycerols. European Journal of Lipid Science and Technology, 2006, 108, 411-420.	1.0	58
72	Photoreactive furan derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 174, 222-228.	2.0	16

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73	Synthesis, characterization and photocross-linking of copolymers of furan and aliphatic hydroxyethylesters prepared by transesterification. Polymer, 2005, 46, 5476-5483.	1.8	27
74	Thermoplastic starch modification during melt processing: Hydrolysis catalyzed by carboxylic acids. Carbohydrate Polymers, 2005, 62, 387-390.	5.1	70
75	Recent Catalytic Advances in the Chemistry of Substituted Furans from Carbohydrates and in the Ensuing Polymers. Topics in Catalysis, 2004, 27, 11-30.	1.3	524
76	Furanâ€"polyether-modified chitosans as photosensitive polymer electrolytes. Polymer, 2003, 44, 7565-7572.	1.8	27
77	Dielsâ^'Alder Reactions with Novel Polymeric Dienes and Dienophiles:Â Synthesis of Reversibly Cross-Linked Elastomers. Macromolecules, 2002, 35, 7246-7253.	2.2	266
78	Photocrosslinkable polymers bearing pendant conjugated heterocyclic chromophores. Polymer, 2002, 43, 3505-3510.	1.8	34
79	New Oligomers and Polymers Bearing Furan Moieties. ACS Symposium Series, 2001, , 98-109.	0.5	8
80	Formation of polymeric films on cellulosic surfaces by admicellar polymerization. Cellulose, 2001, 8, 303-312.	2.4	56
81	Synthesis of 2-furfurylmaleimide and preliminary study of its Diels-Alder polycondensation. Polymer Bulletin, 1998, 40, 389-394.	1.7	40
82	Application of the Dielsâ^'Alder Reaction to Polymers Bearing Furan Moieties. 2. Dielsâ^'Alder and Retro-Dielsâ^'Alder Reactions Involving Furan Rings in Some Styrene Copolymers. Macromolecules, 1998, 31, 314-321.	2.2	206
83	Polyesters bearing furan moieties, 2. A detailed investigation of the polytransesterification of difuranic diesters with different diols. Macromolecular Chemistry and Physics, 1998, 199, 2755-2765.	1.1	43
84	Furans in polymer chemistry. Progress in Polymer Science, 1997, 22, 1203-1379.	11.8	601
85	Acid-Catalyzed Polycondensation of Furfuryl Alcohol:Â Mechanisms of Chromophore Formation and Cross-Linking. Macromolecules, 1996, 29, 3839-3850.	2.2	365
86	Polymeric Schiff Bases Bearing Furan Moieties 2. Polyazines and Polyazomethines. Polymer International, 1996, 40, 33-39.	1.6	38
87	2-Furyloxirane: II. Reduction, Hydrolysis, Alcoholysis and the Uncatalysed Polymerization Induced byOH Groups. Polymer International, 1996, 41, 427-435.	1.6	9
88	Urethanes and polyurethanes bearing furan moieties. 4. Synthesis, kinetics and characterization of linear polymers. Macromolecules, 1993, 26, 6706-6717.	2.2	99
89	Synthesis and characterization of furanic polyamides. Macromolecules, 1991, 24, 830-835.	2.2	98
90	Polymers and Oligomers Containing Furan Rings. ACS Symposium Series, 1990, , 195-208.	0.5	34

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91	The behaviour of furan derivatives in polymerization reactions. Advances in Polymer Science, 1977, , 47-96.	0.4	128
92	Crosslinking starch with dielsâ€alder reaction: <scp>Waterâ€Soluble</scp> materials and waterâ€mediated processes. Polymer International, 0, , .	1.6	4