

Adriana Gregorova

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

1,642
citations

24
h-index

38
g-index

61
ext. papers

1,944
ext. citations

4.2
avg, IF

4.98
L-index

#	Paper	IF	Citations
61	Stabilization effect of lignin in polypropylene and recycled polypropylene. <i>Polymer Degradation and Stability</i> , 2005 , 89, 553-558	4.7	143
60	Valorization of spent coffee grounds: A review. <i>Food and Bioproducts Processing</i> , 2018 , 110, 104-119	4.9	107
59	Stabilization effect of lignin in natural rubber. <i>Polymer Degradation and Stability</i> , 2006 , 91, 229-233	4.7	98
58	Characterization of the promising poly(3-hydroxybutyrate) producing halophilic bacterium <i>Halomonas halophila</i> . <i>Bioresource Technology</i> , 2018 , 256, 552-556	11	66
57	Role of lignin filler in stabilization of natural rubberBased composites. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 1226-1231	2.9	66
56	Hydrothermal effect and mechanical stress properties of carboxymethylcellulose based hydrogel food packaging. <i>Carbohydrate Polymers</i> , 2015 , 117, 559-568	10.3	60
55	Designing packaging materials with viscoelastic and gas barrier properties by optimized processing of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) with lignin. <i>Reactive and Functional Polymers</i> , 2015 , 94, 25-34	4.6	53
54	Poly(lactide acid) composites reinforced with fibers obtained from different tissue types of <i>Picea sitchensis</i> . <i>Journal of Applied Polymer Science</i> , 2009 , 114, 2616-2623	2.9	49
53	Polyaniline Cryogels Supported with Poly(vinyl alcohol): Soft and Conducting. <i>Macromolecules</i> , 2017 , 50, 972-978	5.5	48
52	Sulfur-free lignin as reinforcing component of styreneButadiene rubber. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 924-929	2.9	46
51	Surface modification of spruce wood flour and effects on the dynamic fragility of PLA/wood composites. <i>Polymer Engineering and Science</i> , 2011 , 51, 143-150	2.3	45
50	Characterization of polyhydroxyalkanoates produced by <i>Synechocystis salina</i> from digestate supernatant. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 497-504	7.9	43
49	Radical scavenging capacity of lignin and its effect on processing stabilization of virgin and recycled polypropylene. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 1626-1631	2.9	43
48	Hyaluronan hydrogels modified by glycinated Kraft lignin: Morphology, swelling, viscoelastic properties and biocompatibility. <i>Carbohydrate Polymers</i> , 2018 , 181, 394-403	10.3	42
47	Pilot-scale production of poly-3-hydroxybutyrate with the cyanobacterium <i>Synechocystis</i> sp. CCALA192 in a non-sterile tubular photobioreactor. <i>Algal Research</i> , 2018 , 34, 116-125	5	40
46	Superior plant based carbon fibers from electrospun poly-(caffeyl alcohol) lignin. <i>Carbon</i> , 2016 , 103, 372-383	10.2	39
45	Effect of surface modification of beech wood flour on mechanical and thermal properties of poly (3-hydroxybutyrate)/wood flour composites. <i>Holzforschung</i> , 2009 , 63,	2	39

44	Effect of Compatibilizing Agent on the Properties of Highly Crystalline Composites Based on Poly(lactic acid) and Wood Flour and/or Mica. <i>Journal of Polymers and the Environment</i> , 2011 , 19, 372-384	4.5	37
43	Modification of lignin/polyethylene blends with high lignin content using ethylene vinylacetate copolymer as modifier. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 1855-1860	2.9	37
42	Cyanobacteria Biorefinery - Production of poly(3-hydroxybutyrate) with <i>Synechocystis salina</i> and utilisation of residual biomass. <i>Journal of Biotechnology</i> , 2018 , 265, 46-53	3.7	35
41	Influence of removal of microbial inhibitors on PHA production from spent coffee grounds employing <i>Halomonas halophila</i> . <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 3495-3501	6.8	33
40	Biopolymers as fillers for rubber blends. <i>Polymers for Advanced Technologies</i> , 2007 , 18, 135-140	3.2	26
39	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. <i>Materials Chemistry and Physics</i> , 2018 , 213, 352-361	4.4	24
38	Nucleating efficiency and thermal stability of industrial non-purified lignins and ultrafine talc in poly(lactic acid) (PLA). <i>Polymer Degradation and Stability</i> , 2017 , 142, 244-254	4.7	24
37	Correlation of Morphology and Viscoelastic Properties of Partially Biodegradable Polymer Blends Based on Polyamide 6 and Polylactide Copolyester. <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 1432-1442		22
36	Properties of scaffolds prepared by fused deposition modeling of poly(hydroxyalkanoates). <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 364-376	7.9	21
35	Lignin antioxidants for preventing oxidation damage of DNA and for stabilizing polymeric composites. <i>Holzforschung</i> , 2006 , 60, 166-170	2	21
34	Polysaccharide stabilized nanoparticles for deacidification and strengthening of paper. <i>RSC Advances</i> , 2015 , 5, 32950-32961	3.7	19
33	Viscoelastic and mechanical properties of hyaluronan films and hydrogels modified by carbodiimide. <i>Carbohydrate Polymers</i> , 2015 , 119, 142-8	10.3	19
32	Effect of Phase Arrangement on Solid State Mechanical and Thermal Properties of Polyamide 6/Polylactide Based Co-polyester Blends. <i>Journal of Macromolecular Science - Physics</i> , 2012 , 51, 982-1001	1.4	19
31	Anti-hydrolysis effect of aromatic carbodiimide in poly(lactic acid)/wood flour composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 103, 283-291	8.4	18
30	Humidity response of Kraft papers determined by dynamic mechanical analysis. <i>Thermochimica Acta</i> , 2013 , 570, 33-40	2.9	18
29	Grape winery waste as a promising feedstock for the production of polyhydroxyalkanoates and other value-added products. <i>Food and Bioproducts Processing</i> , 2020 , 124, 1-10	4.9	18
28	Fibrillation of flax and wheat straw cellulose: Effects on thermal, morphological, and viscoelastic properties of poly(vinylalcohol)/fibre composites. <i>BioResources</i> , 2011 , 6, 1631-1647	1.3	17
27	Drug Release Kinetics of Electrospun PHB Meshes. <i>Materials</i> , 2019 , 12,	3.5	15

26	Enhanced Charpy impact strength of epoxy resin modified with vinyl-terminated polydimethylsiloxane. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45720	2.9	15
25	Adaptation of <i>Cupriavidus necator</i> to levulinic acid for enhanced production of P(3HB-co-3HV) copolyesters. <i>Biochemical Engineering Journal</i> , 2019 , 151, 107350	4.2	12
24	Introducing the Newly Isolated Bacterium sp. H1 as an Auspicious Thermophilic Producer of Various Polyhydroxyalkanoates (PHA) Copolymers-1. Isolation and Characterization of the Bacterium. <i>Polymers</i> , 2020 , 12,	4.5	12
23	Multi-methodological investigation of the variability of the microstructure of HPMC hard capsules. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 840-54	6.5	12
22	Natural Fiber Reinforced Polymer Composites. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-2	2.4	11
21	Pulp Fiber Bending Stiffness in Wet and Dry State Measured from Moment of Inertia and Modulus of Elasticity. <i>BioResources</i> , 2014 , 9,	1.3	11
20	Strengthening of paper by treatment with a suspension of alkaline nanoparticles stabilized by trimethylsilyl cellulose. <i>Nano Structures Nano Objects</i> , 2018 , 16, 363-370	5.6	11
19	Characterization of structural and physical properties of dichloromethane- and methanol-fractionated Kraft lignin and its adsorption capacity of Cu (II) and Ni (II) ions. <i>Desalination and Water Treatment</i> , 2016 , 57, 10655-10663		10
18	Effect of 4,4'-methylenediphenyl diisocyanate on thermal and mechanical properties of Bioflex/lactic acid polycondensate blends. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012 , 7, S317-S323	1.3	10
17	Effects of thermal annealing as polymer processing step on poly(lactic acid). <i>Materials and Manufacturing Processes</i> , 2018 , 33, 1674-1680	4.1	9
16	Active biodegradable packaging films modified with grape seeds lignin.. <i>RSC Advances</i> , 2020 , 10, 29202-29213	2.9	9
15	Enzymatic Hydrolysis of Poly(3-Hydroxybutyrate--3-Hydroxyvalerate) Scaffolds. <i>Materials</i> , 2020 , 13,	3.5	9
14	Introducing the Newly Isolated Bacterium sp. H1 as an Auspicious Thermophilic Producer of Various Polyhydroxyalkanoates (PHA) Copolymers-2. Material Study on the Produced Copolymers. <i>Polymers</i> , 2020 , 12,	4.5	8
13	Thermal stability of modified end-capped poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	8
12	Viscoelastic Properties of Mineral-Filled Poly(lactic acid) Composites. <i>International Journal of Polymer Science</i> , 2012 , 2012, 1-6	2.4	8
11	Recent Advances in 3D Printing of Polyhydroxyalkanoates: A Review. <i>The EuroBiotech Journal</i> , 2021 , 5, 48-55	1.5	8
10	Mechanical detection of ultraslow, Debye-like Li-ion motions in LiAlO single crystals. <i>Annalen Der Physik</i> , 2015 , 527, 523-530	2.6	7
9	Properties and structure of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) filaments for fused deposition modelling. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 880-889	7.9	5

8	The use of fractionated Kraft lignin to improve the mechanical and biological properties of PVA-based scaffolds.. <i>RSC Advances</i> , 2019 , 9, 12346-12353	3.7	4
7	Residual wood polymers facilitate compounding of microfibrillated cellulose with poly(lactic acid) for 3D printer filaments. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	4
6	Humidity response of poly(butylene adipate-co-butylene terephthalate) copolyesters and their composites with wood flour determined by dynamic mechanical analysis. <i>Thermochimica Acta</i> , 2014 , 590, 40-50	2.9	3
5	Effect of wood flour loading and thermal annealing on viscoelastic properties of poly(lactic acid) composite films. <i>Journal of Applied Polymer Science</i> , 2010 , 118, n/a-n/a	2.9	3
4	Extremophiles - Platform Strains for Sustainable Production of Polyhydroxyalkanoates. <i>Materials Science Forum</i> , 2019 , 955, 74-79	0.4	2
3	Reinforcement of Poly (Lactic Acid) with Spray-dried Lignocellulosic Material. <i>BioResources</i> , 2016 , 12,	1.3	1
2	Copolymer of natural fibre reinforced polyester urethane: effect on physico-chemical properties through modification to interfacial adhesion. <i>Journal of Polymer Engineering</i> , 2016 , 36, 189-197	1.4	
1	Physicomechanical Properties and Utilization of Hydrogels Prepared by Physical and Physicochemical Crosslinking. <i>Gels Horizons: From Science To Smart Materials</i> , 2018 , 1-27		