

Adriana Gregorova

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9495420/adriana-gregorova-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
60	Recent Advances in 3D Printing of Polyhydroxyalkanoates: A Review. <i>The EuroBiotech Journal</i> , 2021 , 5, 48-55	1.5	8
59	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
58	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
57	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
56	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
55	Active biodegradable packaging films modified with grape seeds lignin.. <i>RSC Advances</i> , 2020 , 10, 29202-29213	3.7	9
54	Enzymatic Hydrolysis of Poly(3-Hydroxybutyrate--3-Hydroxyvalerate) Scaffolds. <i>Materials</i> , 2020 , 13,	3.5	9
53	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
52	Extremophiles - Platform Strains for Sustainable Production of Polyhydroxyalkanoates. <i>Materials Science Forum</i> , 2019 , 955, 74-79	0.4	2
51	Drug Release Kinetics of Electrospun PHB Meshes. <i>Materials</i> , 2019 , 12,	3.5	15
50	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
49	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. <i>Materials Chemistry and Physics</i> , 2018 , 213, 352-361	4.4	24
48	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
47	Characterization of the promising poly(3-hydroxybutyrate) producing halophilic bacterium <i>Halomonas halophila</i> . <i>Bioresource Technology</i> , 2018 , 256, 552-556	11	66
46	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
45	Hyaluronan hydrogels modified by glycinated Kraft lignin: Morphology, swelling, viscoelastic properties and biocompatibility. <i>Carbohydrate Polymers</i> , 2018 , 181, 394-403	10.3	42

44	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
43	Pilot-scale production of poly-β-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
42	Physicomechanical Properties and Utilization of Hydrogels Prepared by Physical and Physicochemical Crosslinking. <i>Gels Horizons: From Science To Smart Materials</i> , 2018 , 1-27		
41	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
40	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
39	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
38	Valorization of spent coffee grounds: A review. <i>Food and Bioproducts Processing</i> , 2018 , 110, 104-119	4.9	107
37	Polyaniline Cryogels Supported with Poly(vinyl alcohol): Soft and Conducting. <i>Macromolecules</i> , 2017 , 50, 972-978	5.5	48
36	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
35	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
34	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
33	Superior plant based carbon fibers from electrospun poly-(caffeyl alcohol) lignin. <i>Carbon</i> , 2016 , 103, 372-383	3.8	39
32	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	
31	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
30	Reinforcement of Poly (Lactic Acid) with Spray-dried Lignocellulosic Material. <i>BioResources</i> , 2016 , 12,	1.3	1
29	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
28	Polysaccharide stabilized nanoparticles for deacidification and strengthening of paper. <i>RSC Advances</i> , 2015 , 5, 32950-32961	3.7	19
27	Viscoelastic and mechanical properties of hyaluronan films and hydrogels modified by carbodiimide. <i>Carbohydrate Polymers</i> , 2015 , 119, 142-8	10.3	19

26	Hydrothermal effect and mechanical stress properties of carboxymethylcellulose based hydrogel food packaging. <i>Carbohydrate Polymers</i> , 2015 , 117, 559-568	10.3	60
25	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
24	Natural Fiber Reinforced Polymer Composites. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-2	2.4	11
23	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
22	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
21	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
20	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
19	Humidity response of Kraft papers determined by dynamic mechanical analysis. <i>Thermochimica Acta</i> , 2013 , 570, 33-40	2.9	18
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	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
16	Viscoelastic Properties of Mineral-Filled Poly(lactic acid) Composites. <i>International Journal of Polymer Science</i> , 2012 , 2012, 1-6	2.4	8
15	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
14	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	1.5	37
13	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
12	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
11	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
10	Poly(lactide acid) composites reinforced with fibers obtained from different tissue types of Picea sitchensis. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 2616-2623	2.9	49
9	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

8	Role of lignin filler in stabilization of natural rubber-based composites. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 1226-1231	2.9	66
7	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
6	Biopolymers as fillers for rubber blends. <i>Polymers for Advanced Technologies</i> , 2007 , 18, 135-140	3.2	26
5	Lignin antioxidants for preventing oxidation damage of DNA and for stabilizing polymeric composites. <i>Holzforschung</i> , 2006 , 60, 166-170	2	21
4	Stabilization effect of lignin in natural rubber. <i>Polymer Degradation and Stability</i> , 2006 , 91, 229-233	4.7	98
3	Stabilization effect of lignin in polypropylene and recycled polypropylene. <i>Polymer Degradation and Stability</i> , 2005 , 89, 553-558	4.7	143
2	Sulfur-free lignin as reinforcing component of styrene-butadiene rubber. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 924-929	2.9	46
1	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