

Rafal Malinowski

List of Publications by Year in Descending Order

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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.

45
papers

585
citations

14
h-index

22
g-index

52
ext. papers

695
ext. citations

3.5
avg, IF

4.24
L-index

#	Paper	IF	Citations
45	The Structure and Mechanical Properties of Hemp Fibers-Reinforced Poly(εCaprolactone) Composites Modified by Electron Beam Irradiation. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5317	2.6	3
44	Bactericidal and Fungistatic Properties of LDPE Modified with a Biocide Containing Metal Nanoparticles. <i>Materials</i> , 2021 , 14,	3.5	4
43	Surface modification of maize stem with polydopamine and tannic acid coatings. <i>Surfaces and Interfaces</i> , 2021 , 26, 101319	4.1	1
42	Plant extracts as natural additives for environmentally friendly polylactide films. <i>Food Packaging and Shelf Life</i> , 2020 , 26, 100593	8.2	6
41	Copper Filled Poly(Acrylonitrile-co-Butadiene-co-Styrene) Composites for Laser-Assisted Selective Metallization. <i>Materials</i> , 2020 , 13,	3.5	1
40	Studies on the Uncrosslinked Fraction of PLA/PBAT Blends Modified by Electron Radiation. <i>Materials</i> , 2020 , 13,	3.5	1
39	Laser-induced surface activation and electroless metallization of polyurethane coating containing copper(II) L-tyrosine. <i>Applied Surface Science</i> , 2020 , 505, 144429	6.7	3
38	Studies on Manufacturing, Mechanical Properties and Structure of Poly(butylene adipate-co-terephthalate)-based Green Composites Modified by Coconut Fibers. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2020 , 7, 1095-1105	3.8	8
37	TG-FTIR coupled analysis to predetermine effective precursors for laser-activated and electroless metallized materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 697-705	4.1	2
36	The Effect of Accelerated Aging on Polylactide Containing Plant Extracts. <i>Polymers</i> , 2019 , 11,	4.5	20
35	Composting of Polylactide Containing Natural Anti-Aging Compounds of Plant Origin. <i>Polymers</i> , 2019 , 11,	4.5	7
34	Flax fibers reinforced polycaprolactone modified by triallyl isocyanurate and electron radiation. <i>Polymer Composites</i> , 2019 , 40, 481-488	3	3
33	Some effects of radiation treatment of biodegradable PCL/PLA blends. <i>Journal of Polymer Engineering</i> , 2018 , 38, 635-640	1.4	4
32	Flax fibres reinforced polylactide modified by ionizing radiation. <i>Industrial Crops and Products</i> , 2018 , 112, 716-723	5.9	19
31	Some effects of foaming of the poly(butylene adipate-co-terephthalate) modified by electron radiation. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 1117-1122	3.2	4
30	Selected properties of polylactide containing natural antiaging compounds. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2963-2971	3.2	9
29	Analysis of swelling degree and gel fraction of polylactide/poly(butylene adipate-co-terephthalate) blends crosslinked by radiation. <i>Polimery</i> , 2018 , 63, 25-30	3.4	3

28	Mechanical properties and biodegradability of flax fiber-reinforced composite of polylactide and polycaprolactone. <i>Polimery</i> , 2018 , 63, 603-610	3.4	9
27	Selected properties of polycaprolactone containing natural anti-aging compounds. <i>Advances in Polymer Technology</i> , 2018 , 37, 3499-3510	1.9	4
26	Application of thermogravimetry in the assessment of coatings ability to be metallized. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 381-387	4.1	5
25	Effects of UV radiation on some properties of dyed polylactide film. <i>Polimery</i> , 2017 , 62, 193-197	3.4	2
24	Laser modification of polylactide surface layer prior autocatalytic metallization. <i>Surface and Coatings Technology</i> , 2016 , 304, 68-75	4.4	11
23	Influence of Specific Processing Conditions and Aliphatic-Aromatic Copolyester on Polylactide Properties. <i>Chemical Engineering Communications</i> , 2016 , 203, 1540-1546	2.2	3
22	Antimicrobial carbon materials incorporating copper nano-crystallites and their PLA composites. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	9
21	Effect of electron radiation and triallyl isocyanurate on the average molecular weight and crosslinking of poly(ε-caprolactone). <i>Polymers for Advanced Technologies</i> , 2016 , 27, 125-130	3.2	12
20	Stability studies of plasma modification effects of polylactide and polycaprolactone surface layers. <i>Applied Surface Science</i> , 2016 , 377, 228-237	6.7	25
19	Effect of high energy radiation and addition of triallyl isocyanurate on the selected properties of polylactide. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016 , 377, 59-66	1.2	14
18	Application of the electron radiation and triallyl isocyanurate for production of aliphatic-aromatic co-polyester of modified properties. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 87, 3307-3314	3.2	8
17	Forensic engineering of advanced polymeric materials. Part III - Biodegradation of thermoformed rigid PLA packaging under industrial composting conditions. <i>Waste Management</i> , 2016 , 52, 69-76	8.6	45
16	Mechanical properties of PLA/PCL blends crosslinked by electron beam and TAIC additive. <i>Chemical Physics Letters</i> , 2016 , 662, 91-96	2.5	14
15	Influence of glass microspheres on selected properties of polylactide composites. <i>Composites Part B: Engineering</i> , 2015 , 76, 13-19	10	15
14	Comparison of some effects of modification of a polylactide surface layer by chemical, plasma, and laser methods. <i>Applied Surface Science</i> , 2015 , 346, 11-17	6.7	29
13	Studies on functional properties of PCL films modified by electron radiation and TAIC additive. <i>Polymer Testing</i> , 2015 , 48, 169-174	4.5	12
12	The soluble copolymers of polyalkylthiophenes with different molar ratios of co-mers. <i>Journal of Polymer Engineering</i> , 2015 , 35, 241-246	1.4	1
11	Influence of DC plasma modification on the selected properties and the geometrical surface structure of polylactide prior to autocatalytic metallization. <i>Materials Chemistry and Physics</i> , 2015 , 153, 135-144	4.4	9

10	Autocatalytic metallization of polylactide. <i>Polimery</i> , 2015 , 60, 492-500	3-4	3
9	Assessment of dicumyl peroxide ability to improve adhesion between polylactide and flax or hemp fibres. <i>Composite Interfaces</i> , 2014 , 21, 671-683	2-3	16
8	Tough blends of poly(lactide) and amorphous poly([R,S]-3-hydroxy butyrate) [morphology and properties. <i>European Polymer Journal</i> , 2013 , 49, 3630-3641	5-2	81
7	A comparative analysis of mass losses of some aliphatic polyesters upon enzymatic degradation. <i>Polymer Testing</i> , 2013 , 32, 209-214	4-5	26
6	Some composting and biodegradation effects of physically or chemically crosslinked poly(lactic acid). <i>Polymer Testing</i> , 2012 , 31, 83-92	4-5	30
5	Influence of Dicumyl Peroxide Content on Thermal and Mechanical Properties of Polylactide. <i>International Polymer Processing</i> , 2011 , 26, 580-586	1	30
4	Low-temperature plasma modification of polymers [Methods and equipment. <i>Polimery</i> , 2011 , 56, 185-195	5-4	7
3	GC/MS analysis of gaseous degradation products formed during extrusion blow molding process of PE films. <i>Chemical Papers</i> , 2010 , 64,	1-9	5
2	Influence of some crosslinking agents on thermal and mechanical properties of electron beam irradiated polylactide. <i>Radiation Physics and Chemistry</i> , 2010 , 79, 1052-1057	2-5	48
1	Selected biodegradable polymers - preparation, properties, applications. <i>Polimery</i> , 2008 , 53, 799-807	3-4	10