

# Jacek Andrzejewski

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1177236/jacek-andrzejewski-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

1,132  
citations

19  
h-index

31  
g-index

62  
ext. papers

1,532  
ext. citations

4.3  
avg, IF

5.26  
L-index

#	Paper	IF	Citations
61	A comparative study of biocarbon reinforced polyoxymethylene and polyamide: Materials performance and durability. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2022</b> , 152, 106715	8.4	0
60	(Bio)degradable biochar composites [Studies on degradation and electrostatic properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2022</b> , 275, 115515	3.1	1
59	Rotational molding of polylactide (PLA) composites filled with copper slag as a waste filler from metallurgical industry. <i>Polymer Testing</i> , <b>2022</b> , 106, 107449	4.5	3
58	Development of Toughened Flax Fiber Reinforced Composites. Modification of Poly(lactic acid)/Poly(butylene adipate-co-terephthalate) Blends by Reactive Extrusion Process. <i>Materials</i> , <b>2021</b> , 14,	3.5	5
57	Effect of jute fibers on morphological characteristics and properties of thermoplastic starch/biodegradable polyester blend. <i>Cellulose</i> , <b>2021</b> , 28, 5513	5.5	4
56	Preparation of hybrid poly(lactic acid)/flax composites by the insert overmolding process: Evaluation of mechanical performance and thermomechanical properties. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 49646	2.9	3
55	Mechanical Properties, Microstructure and Surface Quality of Polypropylene Green Composites as a Function of Sunflower Husk Waste Filler Particle Size and Content. <i>Journal of Renewable Materials</i> , <b>2021</b> , 9, 841-853	2.4	3
54	Spray-formed polyurea composites filled with basalt powder as inorganic waste filler. <i>Plastics, Rubber and Composites</i> , <b>2021</b> , 50, 276-284	1.5	3
53	The Use of Agricultural Waste in the Modification of Poly(lactic acid)-Based Composites Intended for 3D Printing Applications. The Use of Toughened Blend Systems to Improve Mechanical Properties. <i>Journal of Composites Science</i> , <b>2021</b> , 5, 253	3	1
52	The inhibiting effect of basalt powder on crystallization behavior and the structure-property relationship of nucleated polypropylene composites. <i>Polymer Testing</i> , <b>2021</b> , 103, 107372	4.5	1
51	Rigid Polyurethane Foams Modified with Biochar. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
50	A Review on Current Status of Biochar Uses in Agriculture. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
49	Effect of Basalt Powder Surface Treatments on Mechanical and Processing Properties of Polylactide-Based Composites. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
48	Rotational Molding of Linear Low-Density Polyethylene Composites Filled with Wheat Bran. <i>Polymers</i> , <b>2020</b> , 12,	4.5	17
47	Thermo-mechanical and mechanical behavior of hybrid isotactic polypropylene glass fiber reinforced composites (GFRC) modified with calcium carbonate (CaCO <sub>3</sub> ). <i>Polymer Engineering and Science</i> , <b>2020</b> , 60, 1588-1603	2.3	4
46	Development of Thermal Resistant FDM Printed Blends. The Preparation of GPET/PC Blends and Evaluation of Material Performance. <i>Materials</i> , <b>2020</b> , 13,	3.5	5
45	Sustainable composites from poly(3-hydroxybutyrate) (PHB) bioplastic and agave natural fibre. <i>Green Chemistry</i> , <b>2020</b> , 22, 3906-3916	10	26

44	Synergistic effect of different basalt fillers and annealing on the structure and properties of polylactide composites. <i>Polymer Testing</i> , <b>2020</b> , 89, 106628	4.5	17
43	Experimental Investigation on Machinability of Polypropylene Reinforced with Miscanthus Fibers and Biochar. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
42	Improving the Toughness and Thermal Resistance of Polyoxymethylene/Poly(lactic acid) Blends: Evaluation of Structure-Properties Correlation for Reactive Processing. <i>Polymers</i> , <b>2020</b> , 12,	4.5	14
41	Development of polylactide composites with improved thermomechanical properties by simultaneous use of basalt powder and a nucleating agent. <i>Polymer Composites</i> , <b>2020</b> , 41, 2947-2957	3	10
40	Milled basalt fibers as reinforcement for polyurea composite spray coatings with improved thermomechanical stability and mechanical performance. <i>Polimery</i> , <b>2020</b> , 65, 184-195	3.4	5
39	Development of Toughened Blends of Poly(lactic acid) and Poly(butylene adipate-co-terephthalate) for 3D Printing Applications: Compatibilization Methods and Material Performance Evaluation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 6576-6589	8.3	25
38	Rotational molding of biocomposites with addition of buckwheat husk filler. Structure-property correlation assessment for materials based on polyethylene (PE) and poly(lactic acid) PLA. <i>Composites Part B: Engineering</i> , <b>2020</b> , 202, 108410	10	8
37	Development of hybrid composites reinforced with biocarbon/carbon fiber system. The comparative study for PC, ABS and PC/ABS based materials. <i>Composites Part B: Engineering</i> , <b>2020</b> , 200, 108319	10	10
36	The Influence of the Hybridization Process on the Mechanical and Thermal Properties of Polyoxymethylene (POM) Composites with the Use of a Novel Sustainable Reinforcing System Based on Biocarbon and Basalt Fiber (BC/BF). <i>Materials</i> , <b>2020</b> , 13,	3.5	5
35	Preparation and Characterization of the Injection Molded Polymer Composites Based on Natural/Synthetic Fiber Reinforcement. <i>Lecture Notes in Mechanical Engineering</i> , <b>2019</b> , 473-484	0.4	1
34	Sustainable biocarbon as an alternative of traditional fillers for poly(butylene terephthalate)-based composites: Thermo-oxidative aging and durability. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47722 <sup>2.9</sup>		13
33	Influence of accelerated weathering on mechanical and thermomechanical properties of poly(lactic acid) composites with natural waste filler. <i>Polimery</i> , <b>2019</b> , 64, 119-126	3.4	5
32	Injection Molding of Highly Filled Polypropylene-based Biocomposites. Buckwheat Husk and Wood Flour Filler: A Comparison of Agricultural and Wood Industry Waste Utilization. <i>Polymers</i> , <b>2019</b> , 11,	4.5	16
31	Cork-wood hybrid filler system for polypropylene and poly(lactic acid) based injection molded composites. Structure evaluation and mechanical performance. <i>Composites Part B: Engineering</i> , <b>2019</b> , 163, 655-668	10	39
30	Improving the Impact Strength and Heat Resistance of 3D Printed Models: Structure, Property, and Processing Relationships during Fused Deposition Modeling (FDM) of Poly(Lactic Acid). <i>ACS Omega</i> , <b>2018</b> , 3, 4400-4411	3.9	100
29	Polycarbonate biocomposites reinforced with a hybrid filler system of recycled carbon fiber and biocarbon: Preparation and thermomechanical characterization. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46449	2.9	28
28	Development and characterization of poly(ethylene terephthalate) based injection molded self-reinforced composites. Direct reinforcement by overmolding the composite inserts. <i>Materials and Design</i> , <b>2018</b> , 153, 273-286	8.1	22
27	Biodegradable compatibilized polymer blends for packaging applications: A literature review. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45726	2.9	139

26	Characterization of poly(lactic acid) biocomposites filled with chestnut shell waste. <i>Journal of Material Cycles and Waste Management</i> , <b>2018</b> , 20, 914-924	3.4	27
25	Reactive compatibilization and performance evaluation of miscanthus biofiber reinforced poly(hydroxybutyrate-co-hydroxyvalerate) biocomposites. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	12
24	Biocomposite consisting of miscanthus fiber and biodegradable binary blend matrix: compatibilization and performance evaluation. <i>RSC Advances</i> , <b>2017</b> , 7, 27538-27548	3.7	39
23	Biodegradable biocomposites from poly(butylene adipate-co-terephthalate) and miscanthus: Preparation, compatibilization, and performance evaluation. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45448	2.9	27
22	Carbon nanotubes from renewable feedstocks: A move toward sustainable nanofabrication. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	26
21	Synthesis of Shape Memory Poly(glycerol sebacate)-Stearate Polymer. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302, 1600294	3.9	11
20	Polypropylene composites obtained from self-reinforced hybrid fiber system. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	21
19	The influence of processing conditions on the mechanical properties and structure of poly(ethylene terephthalate) self-reinforced composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2016</b> , 29, 1194-1209	1.9	8
18	Application of waste bulk moulded composite (BMC) as a filler for isotactic polypropylene composites. <i>Journal of Advanced Research</i> , <b>2016</b> , 7, 373-80	13	11
17	Oxidative acid treatment and characterization of new biocarbon from sustainable Miscanthus biomass. <i>Science of the Total Environment</i> , <b>2016</b> , 550, 241-247	10.2	42
16	Injection Molded Sustainable Biocomposites From Poly(butylene succinate) Bioplastic and Perennial Grass. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 2767-2776	8.3	62
15	Evaluation of glass transition temperature of PVC/POSS nanocomposites. <i>Composites Science and Technology</i> , <b>2015</b> , 117, 398-403	8.6	26
14	Melt Processing and Characterization of Bionanocomposites Made from Poly(butylene succinate) Bioplastic and Carbon Black. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 118-126	3.9	10
13	Binary blends of poly(butylene adipate-co-terephthalate) and poly(butylene succinate): A new matrix for biocomposites applications <b>2015</b> ,		4
12	Effect of heterogeneous nucleation on isotactic polypropylene-polyoxymethylene blends properties and miscibility. <i>Macromolecular Research</i> , <b>2015</b> , 23, 850-860	1.9	9
11	Microscopic, structural, and electrical characterization of the carbonaceous materials synthesized from various lignin feedstocks. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	14
10	Development and Characterization of the Injection-Molded Polymer Composites Made from Bicomponent Fibers. <i>Polymer-Plastics Technology and Engineering</i> , <b>2015</b> , 54, 33-46		6
9	Maple leaf ( <i>Acer sp.</i> ) extract mediated green process for the functionalization of ZnO powders with silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 113, 169-75	6	45

8	Biodegradable Poly(butylene succinate) and Poly(butylene adipate-co-terephthalate) Blends: Reactive Extrusion and Performance Evaluation. <i>Journal of Polymers and the Environment</i> , <b>2014</b> , 22, 336-349	4.5	72
7	Thermal Properties of Polymer-Metal Composites <b>2014</b> ,		1
6	Fabrication of the self-reinforced composites using co-extrusion technique. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	11
5	Electrospun green fibres from lignin and chitosan: a novel polycomplexation process for the production of lignin-based fibres. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 7949-7958	4.3	32
4	Processing properties of thermoplastic polymers modified by polyhedral oligomeric silsesquioxanes (POSS). <i>Polimery</i> , <b>2013</b> , 58, 805-815	3.4	15
3	Thermal, mechanical, and morphological investigation of injection molded poly(trimethylene terephthalate)/carbon fiber composites. <i>Polymer Composites</i> , <b>2012</b> , 33, 1933-1940	3	10
2	Microwave Enhanced Foaming of Carbon Black Filled Polypropylene. <i>Frontiers in Forests and Global Change</i> , <b>2011</b> , 30, 201-214	1.6	7
1	Biodegradable Green Composites from Distiller's Dried Grains with Solubles (DDGS) and a Polyhydroxy(butyrate-co-valerate) (PHBV)-Based Bioplastic. <i>Macromolecular Materials and Engineering</i> , <b>2011</b> , 296, 1035-1045	3.9	28