

# Stanisław Kuciel

## List of Publications by Year in descending order

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papers

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516710

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docs citations

42  
times ranked

743  
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#	ARTICLE	IF	CITATIONS
1	A study on the mechanical properties and the influence of water uptake and temperature on biocomposites based on polyethylene from renewable sources. <i>Composites Part B: Engineering</i> , 2014, 64, 72-77.	12.0	58
2	Green high density polyethylene (HDPE) reinforced with basalt fiber and agricultural fillers for technical applications. <i>Composites Part B: Engineering</i> , 2020, 202, 108399.	12.0	53
3	The Influence of Wood and Basalt Fibres on Mechanical, Thermal and Hydrothermal Properties of PLA Composites. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1204-1215.	5.0	53
4	Polyamides from renewable sources as matrices of short fiber reinforced biocomposites. <i>Polimery</i> , 2012, 57, 627-634.	0.7	41
5	Novel Biorenewable Composites Based on Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) with Natural Fillers. <i>Journal of Polymers and the Environment</i> , 2019, 27, 803-815.	5.0	40
6	Mechanical and Hydrothermal Aging Behaviour of Polyhydroxybutyrate-Co-Valerate (PHBV) Composites Reinforced by Natural Fibres. <i>Molecules</i> , 2019, 24, 3538.	3.8	36
7	Bio-Based Polyethylene Composites with Natural Fiber: Mechanical, Thermal, and Ageing Properties. <i>Materials</i> , 2020, 13, 2595.	2.9	35
8	Accelerated Fatigue Testing of Biodegradable Composites with Flax Fibers. <i>Journal of Polymers and the Environment</i> , 2015, 23, 400-406.	5.0	30
9	A novel hybrid composites based on biopolyamide 10.10 with basalt/aramid fibers: Mechanical and thermal investigation. <i>Composites Part B: Engineering</i> , 2021, 223, 109125.	12.0	30
10	Biocomposites on the Base of Thermoplastic Starch Filled by Wood and Kenaf Fiber. <i>Journal of Biobased Materials and Bioenergy</i> , 2009, 3, 269-274.	0.3	29
11	Investigations on the impact of the introduction of the Aloe vera into the hydrogel matrix on cytotoxic and hydrophilic properties of these systems considered as potential wound dressings. <i>Materials Science and Engineering C</i> , 2021, 123, 111977.	7.3	27
12	Flame retardant polypropylene reinforced with natural additives. <i>Industrial Crops and Products</i> , 2021, 164, 113356.	5.2	25
13	Mechanical, Thermal and Microstructural Characteristic of 3D Printed Polylactide Composites with Natural Fibers: Wood, Bamboo and Cork. <i>Journal of Polymers and the Environment</i> , 2022, 30, 2341-2354.	5.0	24
14	The Effect of Antibacterial Particle Incorporation on the Mechanical Properties, Biodegradability, and Biocompatibility of PLA and PHBV Composites. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000244.	3.6	23
15	Biocomposites based on PHB filled with wood or kenaf fibers. <i>Polimery</i> , 2011, 56, 218-223.	0.7	20
16	Hybrid Composites Based on Polypropylene with Basalt/Hazelnut Shell Fillers: The Influence of Temperature, Thermal Aging, and Water Absorption on Mechanical Properties. <i>Polymers</i> , 2020, 12, 18.	4.5	19
17	Physico-Mechanical Properties of the Poly(oxymethylene) Composites Reinforced with Glass Fibers under Dynamical Loading. <i>Polymers</i> , 2019, 11, 2064.	4.5	17
18	Characterization of composites based on polyoxymethylene and effect of silicone addition on mechanical and tribological behavior. <i>Polymer Engineering and Science</i> , 2019, 59, 935-940.	3.1	17

#	ARTICLE	IF	CITATIONS
19	Biobased Polyethylene Hybrid Composites with Natural Fiber: Mechanical, Thermal Properties, and Micromechanics. <i>Materials</i> , 2020, 13, 2967.	2.9	17
20	Mechanical, fire, and smoke behaviour of hybrid composites based on polyamide 6 with basalt/carbon fibres. <i>Journal of Composite Materials</i> , 2019, 53, 3979-3991.	2.4	16
21	Mechanical Behavior and Morphological Study of Polytetrafluoroethylene (PTFE) Composites under Static and Cyclic Loading Condition. <i>Materials</i> , 2021, 14, 1712.	2.9	16
22	Basalt/Wood Hybrid Composites Based on Polypropylene: Morphology, Processing Properties, and Mechanical and Thermal Expansion Performance. <i>Materials</i> , 2019, 12, 2557.	2.9	14
23	The Study of Physico-Mechanical Properties of Polylactide Composites with Different Level of Infill Produced by the FDM Method. <i>Polymers</i> , 2020, 12, 3056.	4.5	12
24	Properties of composites based on polyamide 10.10 reinforced with carbon fibers. <i>Polimery</i> , 2016, 61, 106-112.	0.7	12
25	Application of computer-aided analysis of an image for assessment of reinforced polymers structures. <i>Polimery</i> , 2006, 51, 206-211.	0.7	11
26	Hybrid Composites of Polylactide with Basalt and Carbon Fibers and Their Thermal Treatment. <i>Materials</i> , 2019, 12, 95.	2.9	10
27	The influence of adding long basalt fiber on the mechanical and thermal properties of composites based on poly(oxymethylene). <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 435-450.	4.2	10
28	Tribo-mechanical properties of composites based on polyoxymethylene reinforced with basalt fiber and silicon carbide whiskers. <i>Polymer Engineering and Science</i> , 2021, 61, 600-611.	3.1	10
29	Composites based on polypropylene recyclates and natural fibers. <i>Polimery</i> , 2010, 55, 718-725.	0.7	9
30	Basalt/Glass Fiber Polypropylene Hybrid Composites: Mechanical Properties at Different Temperatures and under Cyclic Loading and Micromechanical Modelling. <i>Materials</i> , 2021, 14, 5574.	2.9	8
31	Novel hybrid composites based on polypropylene with basalt/carbon fiber (Rapid communication). <i>Polimery</i> , 2018, 63, 387-390.	0.7	8
32	Composites based on polypropylene modified with natural fillers to increase stiffness. <i>Czasopismo Techniczne</i> , 2019, 1, 187-195.	1.0	6
33	Biocomposites based on thermoplastic starch or polylactide/starch blends as the matrices filled with natural fibers. <i>Polimery</i> , 2009, 54, 667-673.	0.7	5
34	Mechanical, thermal and hydrodegradation behavior of poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) composites with agricultural fibers as reinforcing fillers. <i>Sustainable Materials and Technologies</i> , 2022, 31, e00390.	3.3	5
35	Assessment of efficiency of polyethylene reinforcement by filling with wood flour. <i>Polimery</i> , 2005, 50, 436-440.	0.7	4
36	Biodegradable polymers in the general waste stream – the issue of recycling with polyethylene packaging materials. <i>Polimery</i> , 2018, 63, 31-37.	0.7	4

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37	Mineral Microparticles and Wood Flour as Fillers of Different Biocomposites. Journal of Biobased Materials and Bioenergy, 2012, 6, 475-480.	0.3	3
38	Dispersion and stability of tricalcium phosphate powders in polyacrylate dispersions. Micro and Nano Letters, 2013, 8, 39-42.	1.3	0
39	Application of Natural Colorants in Green Polyethylene Composites with Lignocellulosic Fillers: The Influence of Steam Sterilization on Mechanical Properties and Surface Quality. Journal of Natural Fibers, 2020, , 1-11.	3.1	0
40	Influence of silicone oil on physico-mechanical and tribological properties of hybrid composites reinforced with basalt fiber/PTFE particles based on polyoxymethylene (POM). Journal of Thermoplastic Composite Materials, 0, , 089270572198977.	4.2	0
41	Analysis of the Effect of Photo and Hydrodegradation on the Surface Morphology and Mechanical Properties of Composites Based on PLA and PHI Modified with Natural Particles. Materials, 2022, 15, 878.	2.9	0