StanisÅ‚aw Kuciel

List of Publications by Year
in descending order

41 papers	757 citations	516710 16 h-index	552781 26 g-index
42 all docs	42 docs citations	42 times ranked	743 citing authors

#	Article	IF	Citations
1	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
2	Mechanical, thermal and hydrodegradation behavior of poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) composites with agricultural fibers as reinforcing fillers. Sustainable Materials and Technologies, 2022, 31, e00390.	3.3	5
3	Mechanical, Thermal and Microstructural Characteristic of 3D Printed Polylactide Composites with Natural Fibers: Wood, Bamboo and Cork. Journal of Polymers and the Environment, 2022, 30, 2341-2354.	5.0	24
4	Triboâ€mechanical properties of composites based on polyoxymethylene reinforced with basalt fiber and<scp>silicon carbide</scp>whiskers. Polymer Engineering and Science, 2021, 61, 600-611.	3.1	10
5	Mechanical Behavior and Morphological Study of Polytetrafluoroethylene (PTFE) Composites under Static and Cyclic Loading Condition. Materials, 2021, 14, 1712.	2.9	16
6	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. Materials Science and Engineering C, 2021, 123, 111977.	7.3	27
7	Flame retardant polypropylene reinforced with natural additives. Industrial Crops and Products, 2021, 164, 113356.	5.2	25
8	Basalt/Glass Fiber Polypropylene Hybrid Composites: Mechanical Properties at Different Temperatures and under Cyclic Loading and Micromechanical Modelling. Materials, 2021, 14, 5574.	2.9	8
9	A novel hybrid composites based on biopolyamide 10.10 with basalt/aramid fibers: Mechanical and thermal investigation. Composites Part B: Engineering, 2021, 223, 109125.	12.0	30
10	The influence of adding long basalt fiber on the mechanical and thermal properties of composites based on poly(oxymethylene). Journal of Thermoplastic Composite Materials, 2020, 33, 435-450.	4.2	10
11	Hybrid Composites Based on Polypropylene with Basalt/Hazelnut Shell Fillers: The Influence of Temperature, Thermal Aging, and Water Absorption on Mechanical Properties. Polymers, 2020, 12, 18.	4.5	19
12	Green high density polyethylene (HDPE) reinforced with basalt fiber and agricultural fillers for technical applications. Composites Part B: Engineering, 2020, 202, 108399.	12.0	53
13	Biobased Polyethylene Hybrid Composites with Natural Fiber: Mechanical, Thermal Properties, and Micromechanics. Materials, 2020, 13, 2967.	2.9	17
14	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
15	The Effect of Antibacterial Particle Incorporation on the Mechanical Properties, Biodegradability, and Biocompatibility of PLA and PHBV Composites. Macromolecular Materials and Engineering, 2020, 305, 2000244.	3.6	23
16	The Study of Physico-Mechanical Properties of Polylactide Composites with Different Level of Infill Produced by the FDM Method. Polymers, 2020, 12, 3056.	4.5	12
17	Bio-Based Polyethylene Composites with Natural Fiber: Mechanical, Thermal, and Ageing Properties. Materials, 2020, 13, 2595.	2.9	35
18	The Influence of Wood and Basalt Fibres on Mechanical, Thermal and Hydrothermal Properties of PLA Composites. Journal of Polymers and the Environment, 2020, 28, 1204-1215.	5.0	53

#	Article	IF	Citations
19	Basalt/Wood Hybrid Composites Based on Polypropylene: Morphology, Processing Properties, and Mechanical and Thermal Expansion Performance. Materials, 2019, 12, 2557.	2.9	14
20	Mechanical and Hydrothermal Aging Behaviour of Polyhydroxybutyrate-Co-Valerate (PHBV) Composites Reinforced by Natural Fibres. Molecules, 2019, 24, 3538.	3.8	36
21	Mechanical, fire, and smoke behaviour of hybrid composites based on polyamide 6 with basalt/carbon fibres. Journal of Composite Materials, 2019, 53, 3979-3991.	2.4	16
22	Hybrid Composites of Polylactide with Basalt and Carbon Fibers and Their Thermal Treatment. Materials, 2019, 12, 95.	2.9	10
23	Novel Biorenewable Composites Based on Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) with Natural Fillers. Journal of Polymers and the Environment, 2019, 27, 803-815.	5.0	40
24	Physico-Mechanical Properties of the Poly(oxymethylene) Composites Reinforced with Glass Fibers under Dynamical Loading. Polymers, 2019, 11, 2064.	4.5	17
25	Characterization of composites based on polyoxymethylene and effect of silicone addition on mechanical and tribological behavior. Polymer Engineering and Science, 2019, 59, 935-940.	3.1	17
26	Composites based on polypropylene modified with natural fillers to increase stiffness. Czasopismo Techniczne, 2019, 1, 187-195.	1.0	6
27	Biodegradable polymers in the general waste stream â€“ the issue of recycling with polyethylene packaging materials. Polimery, 2018, 63, 31-37.	0.7	4
28	Novel hybrid composites based on polypropylene with basalt/carbon fiber (Rapid communication). Polimery, 2018, 63, 387-390.	0.7	8
29	Properties of composites based on polyamide 10.10 reinforced with carbon fibers. Polimery, 2016, 61, 106-112.	0.7	12
30	Accelerated Fatigue Testing of Biodegradable Composites with Flax Fibers. Journal of Polymers and the Environment, 2015, 23, 400-406.	5.0	30
31	A study on the mechanical properties and the influence of water uptake and temperature on biocomposites based on polyethylene from renewable sources. Composites Part B: Engineering, 2014, 64, 72-77.	12.0	58
32	Dispersion and stability of tricalcium phosphate powders in polyacrylate dispersions. Micro and Nano Letters, 2013, 8, 39-42.	1.3	0
33	Mineral Microparticles and Wood Flour as Fillers of Different Biocomposites. Journal of Biobased Materials and Bioenergy, 2012, 6, 475-480.	0.3	3
34	Polyamides from renewable sources as matrices of short fiber reinforced biocomposites. Polimery, 2012, 57, 627-634.	0.7	41
35	Biocomposites based on PHB filled with wood or kenaf fibers. Polimery, 2011, 56, 218-223.	0.7	20
36	Composites based on polypropylene recyclates and natural fibers. Polimery, 2010, 55, 718-725.	0.7	9

#	Article	IF	Citations
37	Biocomposites on the Base of Thermoplastic Starch Filled by Wood and Kenaf Fiber. Journal of Biobased Materials and Bioenergy, 2009, 3, 269-274.	0.3	29
38	Biocomposites based on thermoplastic starch or polylactide/starch blends as the matrices filled with natural fibers. Polimery, 2009, 54, 667-673.	0.7	5
39	Application of computer-aided analysis of an image for assessment of reinforced polymers structures. Polimery, 2006, 51, 206-211.	0.7	11
40	Assessment of efficiency of polyethylene reinforcement by filling with wood flour. Polimery, 2005, 50, 436-440.	0.7	4
41	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