

# Peter KriÅ<sup>3/4</sup>an

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

337  
citations

933447

10  
h-index

888059

17  
g-index

52  
all docs

52  
docs citations

52  
times ranked

393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavior of Beech Sawdust during Densification into a Solid Biofuel. <i>Energies</i> , 2015, 8, 6382-6398.	3.1	43
2	Determination of physical, mechanical and burning characteristics of polymeric waste material briquettes. <i>Estonian Journal of Engineering</i> , 2010, 16, 307.	0.4	42
3	The effect of papermaking sludge as an additive to biomass pellets on the final quality of the fuel. <i>Fuel</i> , 2018, 219, 196-204.	6.4	39
4	Characteristic Properties of Alternative Biomass Fuels. <i>Energies</i> , 2020, 13, 1448.	3.1	28
5	Research on Shape and Dimensional Accuracy of FDM Produced Parts. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 501, 012030.	0.6	27
6	Resistance and Strength of Conductive PLA Processed by FDM Additive Manufacturing. <i>Polymers</i> , 2022, 14, 678.	4.5	21
7	The Densification Process of Wood Waste. , 2015, , .		16
8	EFFECTS OF INITIAL MOISTURE CONTENT ON THE PRODUCTION AND QUALITY PROPERTIES OF SOLID BIOFUEL. <i>Acta Polytechnica</i> , 2015, 55, 335.	0.6	13
9	A COMPARISON OF THE TENSILE STRENGTH OF PLASTIC PARTS PRODUCED BY A FUSED DEPOSITION MODELING DEVICE. <i>Acta Polytechnica</i> , 2015, 55, 359.	0.6	12
10	Roughness and compressive strength of FDM 3D printed specimens affected by acetone vapour treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 297, 012018.	0.6	12
11	Research on parameters optimization for the Additive Manufacturing process. <i>Transportation Research Procedia</i> , 2019, 40, 144-149.	1.5	11
12	THE OPERATING LOAD OF A DISINTEGRATION MACHINE. <i>Acta Polytechnica</i> , 2014, 54, 1-5.	0.6	8
13	Accuracy of Rapid Prototyped Models with Using of FDM Technology. <i>Applied Mechanics and Materials</i> , 0, 613, 390-395.	0.2	8
14	Experimental testing of PLA biodegradable thermoplastic in the frame of 3D printing FDM technology. <i>MATEC Web of Conferences</i> , 2018, 157, 06001.	0.2	6
15	DESIGN THEORY FOR THE PRESSING CHAMBER IN THE SOLID BIOFUEL PRODUCTION PROCESS. <i>Acta Polytechnica</i> , 2014, 54, 28-34.	0.6	6
16	MECHANICAL PROPERTIES OF BIODEGRADABLE PLA PLASTIC PARTS PRODUCED BY 3D PRINTING. <i>MM Science Journal</i> , 2019, 2019, 2746-2750.	0.4	5
17	CONDUCTIVE MATERIAL PROPERTIES FOR FDM ADDITIVE MANUFACTURING. <i>MM Science Journal</i> , 2020, 2020, 3846-3851.	0.4	4
18	Design Theory for Screw Geometry in a Briquette Press. <i>Manufacturing Technology</i> , 2015, 15, 384-391.	1.4	4

#	ARTICLE	IF	CITATIONS
19	Change of Pressing Chamber Conicalness at Briquetting Process in Briquetting Machine Pressing Chamber. Acta Polytechnica, 2012, 52, .	0.6	3
20	STABILIZATION TIME AS AN IMPORTANT PARAMETER AFTER DENSIFICATION OF SOLID BIOFUELS. Acta Polytechnica, 2014, 54, 35-41.	0.6	3
21	THE INFLUENCE OF SIZE FRACTION ON THE COMPRESSIBILITY OF PINE SAWDUST AND THE EFFECTIVENESS CRITERION FOR DENSIFICATION. Acta Polytechnica, 2014, 54, 52-58.	0.6	3
22	Research of plastic and wood raw wastes recovery. Advanced Materials Letters, 2017, 8, 983-986.	0.6	3
23	Implementation of AHP Methodology for the Evaluation and Selection Process of a Reverse Engineering Scanning System. Applied Sciences (Switzerland), 2021, 11, 12050.	2.5	3
24	A rule-based system for fixture design. Scientific Research and Essays, 2011, 6, .	0.4	2
25	RELATIONSHIP BETWEEN COMPACTING PRESSURE AND CONDITIONS IN PRESSING CHAMBER DURING BIOMASS PRESSING. Acta Polytechnica, 2016, 56, 33.	0.6	2
26	Design and testing functional model compacting machine for produce new shape biofuels. IOP Conference Series: Materials Science and Engineering, 2019, 501, 012008.	0.6	2
27	Influence of Raw Material Properties on Parameters of Injection Press during the Injection of Composites Based Biomass and Plastic Waste. Materials Science Forum, 2020, 994, 152-161.	0.3	2
28	DETERMINATION OF COMPACTING PRESSURE AND PRESSING TEMPERATURE IMPACT ON BIOMASS BRIQUETTES DENSITY AND THEIR MUTUAL INTERACTIONS. , 2014, , .		2
29	Development of the compaction machine for the production of new shapes of pressed biofuels. IOP Conference Series: Materials Science and Engineering, 2018, 297, 012008.	0.6	1
30	Relationship between Raw Material Composition and Pellets Physical Properties. IOP Conference Series: Materials Science and Engineering, 2019, 501, 012004.	0.6	1
31	Application of mathematical modelling when determining the parameters effect of biomass densification process on solid biofuels quality. MATEC Web of Conferences, 2018, 168, 07005.	0.2	1
32	INVESTIGATION OT THE INFLUENCE OF TECHNOLOGICAL VARIABLES AND MATERIAL PARAMETERS DURING DENSIFICATION OF ACACIA SAWDUST. , 2017, , .		1
33	Research of interaction between technological and material parameters during densification of sunflower hulls. IOP Conference Series: Materials Science and Engineering, 2018, 297, 012003.	0.6	0
34	Investigation of Wood Sawdust Effect on Production and Final Quality of Composite Pellets Based on Sunflower Husks. IOP Conference Series: Materials Science and Engineering, 2019, 501, 012002.	0.6	0
35	DETERMINATION OF PRESSING CHAMBER LENGTH IMPACT ON BIOMASS BRIQUETTES QUALITY. , 2011, , .		0
36	RESEARCH OF MATERIAL RECOVERY OF PAPERMAKING SLUDGE AND DEVELOPMENT OF NEW CONSTRUCTION PRODUCT. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	PROPERTIES IMPROVEMENT OF 3D PRINTED PARTS BY FDM TECHNOLOGY. , 2017, , .		0
38	EFFECT OF RAW MATERIAL COMPOSITION ON PELLETS PHYSICAL PROPERTIES. , 2018, , .		0
39	TESTING OF MATERIALS SUITABLE FOR ADDITIVE MANUFACTURING. , 2018, , .		0
40	Additive Technology Parts and their Material Properties. Technological Engineering, 2019, 16, 58-61.	0.3	0
41	HAY-PLASTIC COMPOSITES “ EFFECT OF HAY PARTICLE SIZE ON THE WATER ABSORPTION. International Journal of Research -GRANTHAALAYAH, 2021, 9, 273-285.	0.1	0
42	INVESTIGATION OF COCOA HUSKS DENSIFICATION POSSIBILITIES. International Journal of Research -GRANTHAALAYAH, 2021, 9, 336-348.	0.1	0
43	Experimental Research. , 2022, , 89-132.		0