

Peter KriÅ^{3/4}an

List of Publications by Year in descending order

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52
all docs

52
docs citations

52
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistance and Strength of Conductive PLA Processed by FDM Additive Manufacturing. Polymers, 2022, 14, 678.	4.5	21
2	Experimental Research. , 2022, , 89-132.		0
3	HAY-PLASTIC COMPOSITES " EFFECT OF HAY PARTICLE SIZE ON THE WATER ABSORPTION. International Journal of Research -GRANTHAALAYAH, 2021, 9, 273-285.	0.1	0
4	INVESTIGATION OF COCOA HUSKS DENSIFICATION POSSIBILITIES. International Journal of Research -GRANTHAALAYAH, 2021, 9, 336-348.	0.1	0
5	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
6	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
7	CONDUCTIVE MATERIAL PROPERTIES FOR FDM ADDITIVE MANUFACTURING. MM Science Journal, 2020, 2020, 3846-3851.	0.4	4
8	Characteristic Properties of Alternative Biomass Fuels. Energies, 2020, 13, 1448.	3.1	28
9	Research on parameters optimization for the Additive Manufacturing process. Transportation Research Procedia, 2019, 40, 144-149.	1.5	11
10	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
11	Relationship between Raw Material Composition and Pellets Physical Properties. IOP Conference Series: Materials Science and Engineering, 2019, 501, 012004.	0.6	1
12	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
13	Research on Shape and Dimensional Accuracy of FDM Produced Parts. IOP Conference Series: Materials Science and Engineering, 2019, 501, 012030.	0.6	27
14	MECHANICAL PROPERTIES OF BIODEGRADABLE PLA PLASTIC PARTS PRODUCED BY 3D PRINTING. MM Science Journal, 2019, 2019, 2746-2750.	0.4	5
15	Additive Technology Parts and their Material Properties. Technological Engineering, 2019, 16, 58-61.	0.3	0
16	The effect of papermaking sludge as an additive to biomass pellets on the final quality of the fuel. Fuel, 2018, 219, 196-204.	6.4	39
17	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
18	Experimental testing of PLA biodegradable thermoplastic in the frame of 3D printing FDM technology. MATEC Web of Conferences, 2018, 157, 06001.	0.2	6

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19	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
20	Roughness and compressive strength of FDM 3D printed specimens affected by acetone vapour treatment. IOP Conference Series: Materials Science and Engineering, 2018, 297, 012018.	0.6	12
21	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
22	EFFECT OF RAW MATERIAL COMPOSITION ON PELLETS PHYSICAL PROPERTIES. , 2018, , .		0
23	TESTING OF MATERIALS SUITABLE FOR ADDITIVE MANUFACTURING. , 2018, , .		0
24	Research of plastic and wood raw wastes recovery. Advanced Materials Letters, 2017, 8, 983-986.	0.6	3
25	RESEARCH OF MATERIAL RECOVERY OF PAPERMAKING SLUDGE AND DEVELOPMENT OF NEW CONSTRUCTION PRODUCT. , 2017, , .		0
26	INVESTIGATION OT THE INFLUENCE OF TECHNOLOGICAL VARIABLES AND MATERIAL PARAMETERS DURING DENSIFICATION OF ACACIA SAWDUST. , 2017, , .		1
27	PROPERTIES IMPROVEMENT OF 3D PRINTED PARTS BY FDM TECHNOLOGY. , 2017, , .		0
28	RELATIONSHIP BETWEEN COMPACTING PRESSURE AND CONDITIONS IN PRESSING CHAMBER DURING BIOMASS PRESSING. Acta Polytechnica, 2016, 56, 33.	0.6	2
29	A COMPARISON OF THE TENSILE STRENGTH OF PLASTIC PARTS PRODUCED BY A FUSED DEPOSITION MODELING DEVICE. Acta Polytechnica, 2015, 55, 359.	0.6	12
30	EFFECTS OF INITIAL MOISTURE CONTENT ON THE PRODUCTION AND QUALITY PROPERTIES OF SOLID BIOFUEL. Acta Polytechnica, 2015, 55, 335.	0.6	13
31	Behavior of Beech Sawdust during Densification into a Solid Biofuel. Energies, 2015, 8, 6382-6398.	3.1	43
32	The Densification Process of Wood Waste. , 2015, , .		16
33	Design Theory for Screw Geometry in a Briquette Press. Manufacturing Technology, 2015, 15, 384-391.	1.4	4
34	STABILIZATION TIME AS AN IMPORTANT PARAMETER AFTER DENSIFICATION OF SOLID BIOFUELS. Acta Polytechnica, 2014, 54, 35-41.	0.6	3
35	THE OPERATING LOAD OF A DISINTEGRATION MACHINE. Acta Polytechnica, 2014, 54, 1-5.	0.6	8
36	DESIGN THEORY FOR THE PRESSING CHAMBER IN THE SOLID BIOFUEL PRODUCTION PROCESS. Acta Polytechnica, 2014, 54, 28-34.	0.6	6

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37	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
38	DETERMINATION OF COMPACTING PRESSURE AND PRESSING TEMPERATURE IMPACT ON BIOMASS BRIQUETTES DENSITY AND THEIR MUTUAL INTERACTIONS. , 2014, , .		2
39	Change of Pressing Chamber Conicalness at Briquetting Process in Briquetting Machine Pressing Chamber. Acta Polytechnica, 2012, 52, .	0.6	3
40	A rule-based system for fixture design. Scientific Research and Essays, 2011, 6, .	0.4	2
41	DETERMINATION OF PRESSING CHAMBER LENGTH IMPACT ON BIOMASS BRIQUETTES QUALITY. , 2011, , .		0
42	Determination of physical, mechanical and burning characteristics of polymeric waste material briquettes. Estonian Journal of Engineering, 2010, 16, 307.	0.4	42
43	Accuracy of Rapid Prototyped Models with Using of FDM Technology. Applied Mechanics and Materials, 0, 613, 390-395.	0.2	8