

Marek Pagac

List of Publications by Year in descending order

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papers

721
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759233

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384
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Vat Photopolymerization Technology: Materials, Applications, Challenges, and Future Trends of 3D Printing. <i>Polymers</i> , 2021, 13, 598.	4.5	318
2	Influence of Scanning Strategy Parameters on Residual Stress in the SLM Process According to the Bridge Curvature Method for AISI 316L Stainless Steel. <i>Materials</i> , 2020, 13, 1659.	2.9	46
3	Effect of Hot Isostatic Pressing on Porosity and Mechanical Properties of 316 L Stainless Steel Prepared by the Selective Laser Melting Method. <i>Materials</i> , 2020, 13, 4377.	2.9	26
4	Selective Laser Melting of 18Ni-300 Maraging Steel. <i>Materials</i> , 2020, 13, 4268.	2.9	25
5	Complex Corrosion Properties of AISI 316L Steel Prepared by 3D Printing Technology for Possible Implant Applications. <i>Materials</i> , 2020, 13, 1527.	2.9	25
6	Prediction of Model Distortion by FEM in 3D Printing via the Selective Laser Melting of Stainless Steel AISI 316L. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1656.	2.5	25
7	On flexural properties of additive manufactured composites: Experimental, and numerical study. <i>Composites Science and Technology</i> , 2022, 218, 109182.	7.8	23
8	Abrasive Surface Finishing on SLM 316L Parts Fabricated with Recycled Powder. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2869.	2.5	18
9	Microstructural Evolution, Hardness, and Strengthening Mechanisms in SLM AlSi10Mg Alloy Subjected to Equal-Channel Angular Pressing (ECAP). <i>Materials</i> , 2021, 14, 7598.	2.9	17
10	Effects of equal channel angular pressing and heat treatments on the microstructures and mechanical properties of selective laser melted and cast AlSi10Mg alloys. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	3.8	16
11	Monotonic Tension-Torsion Experiments and FE Modeling on Notched Specimens Produced by SLM Technology from SS316L. <i>Materials</i> , 2021, 14, 33.	2.9	16
12	Effect of Additives and Print Orientation on the Properties of Laser Sintering-Printed Polyamide 12 Components. <i>Polymers</i> , 2022, 14, 1172.	4.5	16
13	3D Printed Hollow Off-Axis Profiles Based on Carbon Fiber-Reinforced Polymers: Mechanical Testing and Finite Element Method Analysis. <i>Polymers</i> , 2021, 13, 2949.	4.5	13
14	INFLUENCE OF BASIC PROCESS PARAMETERS ON MECHANICAL AND INTERNAL PROPERTIES OF 316L STEEL IN SLM PROCESS FOR RENISHAW AM400. <i>MM Science Journal</i> , 2019, 2019, 2790-2794.	0.4	12
15	Design Procedure of a Topologically Optimized Scooter Frame Part. <i>Symmetry</i> , 2020, 12, 755.	2.2	11
16	Comprehensive View of Topological Optimization Scooter Frame Design and Manufacturing. <i>Symmetry</i> , 2021, 13, 1201.	2.2	11
17	TOPOLOGICAL OPTIMIZATION OF THE FORMULA STUDENT BELL CRANK. <i>MM Science Journal</i> , 2019, 2019, 2964-2968.	0.4	10
18	Microstructural and Mechanical Properties of Novel Co-Free Maraging Steel M789 Prepared by Additive Manufacturing. <i>Materials</i> , 2022, 15, 1734.	2.9	10

#	ARTICLE	IF	CITATIONS
19	Analysis of Welded Joint Properties on an AISI316L Stainless Steel Tube Manufactured by SLM Technology. <i>Materials</i> , 2020, 13, 4362.	2.9	9
20	MECHANISMS OF CUTTING BLADE WEAR AND THEIR INFLUENCE ON CUTTING ABILITY OF THE TOOL DURING MACHINING OF SPECIAL ALLOYS. <i>Advances in Science and Technology Research Journal</i> , 2016, 10, 144-150.	0.8	8
21	Stiffness of 316L stainless steel support structures proposed for the SLM process. <i>MATEC Web of Conferences</i> , 2018, 244, 01008.	0.2	6
22	3D printed polyurethane exhibits isotropic elastic behavior despite its anisotropic surface. <i>Rapid Prototyping Journal</i> , 2020, 26, 1371-1378.	3.2	6
23	Complex View to Racing Car Upright Design and Manufacturing. <i>Manufacturing Technology</i> , 2018, 18, 449-456.	1.4	6
24	Comparison of Hardness of Surface 316L Stainless Steel Made by Additive Technology and Cold Rolling. <i>Materials Science Forum</i> , 0, 919, 84-91.	0.3	5
25	Hot Deformation Treatment of Grain-Modified Mg-Li Alloy. <i>Materials</i> , 2020, 13, 4557.	2.9	5
26	Cyclic plasticity of additively manufactured metals. , 2022, , 397-433.		5
27	Biomechanical Analysis of Staples for Epiphysiodesis. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 614.	2.5	5
28	Evaluation of Ultrasonically ZnO Loading Effect on Photocatalytic Self-Cleaning, UV Protection and Antibacterial Activity of Plasma/Citric Acid-Activated Cotton Fabric. <i>Nanomaterials</i> , 2022, 12, 2122.	4.1	5
29	THE EFFECTIVENESS OF STRATEGIES PRINTING PRINTER EASY 3D MAKER. <i>Advances in Science and Technology Research Journal</i> , 2018, 12, 197-205.	0.8	4
30	OPTIMIZING A QUADRUPEL ROBOT: A COMPARISON OF TWO METHODS. <i>MM Science Journal</i> , 2021, 2021, 4348-4355.	0.4	3
31	Laser Beam Drilling of Inconel 718 and Its Effect on Mechanical Properties Determined by Static Uniaxial Tensile Testing at Room and Elevated Temperatures. <i>Materials</i> , 2021, 14, 3052.	2.9	3
32	Ratcheting Behaviour of 3D Printed and Conventionally Produced SS316L Material. , 2019, , .		3
33	Experimental Investigation of Cutting Forces in High-Feed Milling of Titanium Alloy. <i>Advances in Science and Technology Research Journal</i> , 2020, 14, 89-95.	0.8	3
34	Detection of grinding burn through the high and low frequency Barkhausen noise. <i>Tehnicki Vjesnik</i> , 2017, 24, .	0.2	2
35	Influence of Coolant Pressure Size on Surface Roughness when Stainless Steel Machining. <i>MATEC Web of Conferences</i> , 2019, 299, 04002.	0.2	2
36	The Use of Technology Local Heating by Laser for Turning of Difficult to Machine Materials. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 290-298.	0.4	1

#	ARTICLE	IF	CITATIONS
37	IMPACT OF CUTTING TOOL GEOMETRY ON THE DYNAMIC LOAD OF SYSTEM IN THE MACHINING PROCESS OF NICKEL ALLOY 625. <i>Advances in Science and Technology Research Journal</i> , 2016, 10, 24-31.	0.8	1
38	Comparative study by life cycle assessment of an air ejector and orifice plate for experimental measuring stand manufactured by conventional manufacturing and additive manufacturing. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00431.	3.3	1
39	Design and Selective Laser Melting Manufacturing of TPE Extrusion Die. <i>Solid State Phenomena</i> , 0, 308, 51-63.	0.3	0
40	EFFECT OF CHIP BREAKERS ON THE CUTTING FORCE DURING THE MACHINING OF STEEL C45. <i>Advances in Science and Technology Research Journal</i> , 2017, 11, 173-178.	0.8	0