

Krzysztof Grzelak

List of Publications by Year in descending order

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33
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212
citing authors

#	ARTICLE	IF	CITATIONS
1	The Influence of Exposure Energy Density on Porosity and Microhardness of the SLM Additive Manufactured Elements. <i>Materials</i> , 2018, 11, 2304.	1.3	39
2	A Critical Review on Effect of Process Parameters on Mechanical and Microstructural Properties of Powder-Bed Fusion Additive Manufacturing of SS316L. <i>Materials</i> , 2021, 14, 6527.	1.3	35
3	Microstructure and Low Cycle Fatigue Properties of AA5083 H111 Friction Stir Welded Joint. <i>Materials</i> , 2020, 13, 2381.	1.3	27
4	The Examination of Restrained Joints Created in the Process of Multi-Material FFF Additive Manufacturing Technology. <i>Materials</i> , 2020, 13, 903.	1.3	26
5	Influence of Selective Laser Melting Technological Parameters on the Mechanical Properties of Additively Manufactured Elements Using 316L Austenitic Steel. <i>Materials</i> , 2020, 13, 1449.	1.3	20
6	Crack Growth Behavior of Additively Manufactured 316L Steel—Influence of Build Orientation and Heat Treatment. <i>Materials</i> , 2020, 13, 3259.	1.3	17
7	Comparison of Different Heat Treatment Processes of Selective Laser Melted 316L Steel Based on Analysis of Mechanical Properties. <i>Materials</i> , 2020, 13, 3805.	1.3	15
8	The Influence of Heat Treatment on Low Cycle Fatigue Properties of Selectively Laser Melted 316L Steel. <i>Materials</i> , 2020, 13, 5737.	1.3	14
9	Additive Manufacturing of Plastics Used for Protection against COVID19—The Influence of Chemical Disinfection by Alcohol on the Properties of ABS and PETG Polymers. <i>Materials</i> , 2021, 14, 4823.	1.3	13
10	Modification of Structural Properties Using Process Parameters and Surface Treatment of Monolithic and Thin-Walled Parts Obtained by Selective Laser Melting. <i>Materials</i> , 2020, 13, 5662.	1.3	11
11	An experimental investigation of propagation the semi-elliptical surface cracks in an austenitic steel. <i>International Journal of Pressure Vessels and Piping</i> , 2016, 144, 35-44.	1.2	9
12	Cement-glass composite bricks (CGCB) with interior 3D printed PET-G scaffolding. <i>Journal of Building Engineering</i> , 2022, 52, 104429.	1.6	8
13	Mechanical Properties Analysis of the AA2519-AA1050-Ti6Al4V Explosive Welded Laminate. <i>Materials</i> , 2020, 13, 4348.	1.3	7
14	The Influence of Layer Thickness on the Microstructure and Mechanical Properties of M300 Maraging Steel Additively Manufactured by LENS® Technology. <i>Materials</i> , 2022, 15, 603.	1.3	7
15	Microstructure and Mechanical Properties of Dissimilar Friction Stir Welded Joint AA7020/AA5083 with Different Joining Parameters. <i>Materials</i> , 2022, 15, 1910.	1.3	7
16	A Comparative Study on Laser Powder Bed Fusion of Differently Atomized 316L Stainless Steel. <i>Materials</i> , 2022, 15, 4938.	1.3	6
17	Selective Laser Melted M300 Maraging Steel—Material Behaviour during Ballistic Testing. <i>Materials</i> , 2021, 14, 2681.	1.3	5
18	Fatigue Cracking of AA2519-Ti6Al4V Laminate Bonded by Explosion Welding. <i>Solid State Phenomena</i> , 2016, 250, 182-190.	0.3	4

#	ARTICLE	IF	CITATIONS
19	Research on the microstructure of a Ti6Al4V-AA1050 explosive-welded bimetallic joint. <i>Materiali in Tehnologije</i> , 2019, 53, 109-113.	0.3	2
20	Contact fatigue strength of 21NiCrMo2 steel gears subjected to shot peening treatment. <i>AIP Conference Proceedings</i> , 2018, . .	0.3	1
21	The Analytical Model of Stress Zone Formation of Ti4Al4V/AA1050/AA2519 Laminate Produced by Explosive Bonding. <i>Metals</i> , 2019, 9, 779.	1.0	1
22	The Effect of Hypervelocity Impact Loading on Explosively Welded Ti/Al/Al Plate. <i>MATEC Web of Conferences</i> , 2019, 253, 01007.	0.1	1
23	PARAMETERS SELECTION OF SHOT PEENING GEARS OF CARBURIZED AND HARDENED STEEL 21NICRMO2. <i>Journal of KONES</i> , 2016, 23, 389-396.	0.2	1
24	Fatigue Characteristic of S355J2 Steel after Surface Frictional-Mechanical Treatment in Corrosive Environment. <i>Solid State Phenomena</i> , 0, 224, 21-26.	0.3	0
25	Wear Analysis of Additively Manufactured Slipper-Retainer in the Axial Piston Pump. <i>Materials</i> , 2022, 15, 1995.	1.3	0
26	A Concept to Carry Out a Torsion Test on Components Made of 20CrNiMo2-2 Steel Using Additive Techniques. <i>Problems of Mechatronics Armament Aviation Safety Engineering</i> , 2022, 13, 97-105.	0.0	0