

# Krzysztof Grzelak

## List of Publications by Year in descending order

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26  
papers

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citations

933264

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times ranked

212  
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#	ARTICLE	IF	CITATIONS
1	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
2	Wear Analysis of Additively Manufactured Slipper-Retainer in the Axial Piston Pump. <i>Materials</i> , 2022, 15, 1995.	1.3	0
3	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
4	Cement-glass composite bricks (CGCB) with interior 3D printed PET-G scaffolding. <i>Journal of Building Engineering</i> , 2022, 52, 104429.	1.6	8
5	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
6	A Comparative Study on Laser Powder Bed Fusion of Differently Atomized 316L Stainless Steel. <i>Materials</i> , 2022, 15, 4938.	1.3	6
7	Selective Laser Melted M300 Maraging Steel – Material Behaviour during Ballistic Testing. <i>Materials</i> , 2021, 14, 2681.	1.3	5
8	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
9	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
10	Mechanical Properties Analysis of the AA2519-AA1050-Ti6Al4V Explosive Welded Laminate. <i>Materials</i> , 2020, 13, 4348.	1.3	7
11	Crack Growth Behavior of Additively Manufactured 316L Steel – Influence of Build Orientation and Heat Treatment. <i>Materials</i> , 2020, 13, 3259.	1.3	17
12	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
13	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
14	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
15	Microstructure and Low Cycle Fatigue Properties of AA5083 H111 Friction Stir Welded Joint. <i>Materials</i> , 2020, 13, 2381.	1.3	27
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	The Effect of Hypervelocity Impact Loading on Explosively Welded Ti/Al/Al Plate. MATEC Web of Conferences, 2019, 253, 01007.	0.1	1
20	Research on the microstructure of a Ti6Al4V-AA1050 explosive-welded bimetallic joint. Materiali in Tehnologije, 2019, 53, 109-113.	0.3	2
21	The Influence of Exposure Energy Density on Porosity and Microhardness of the SLM Additive Manufactured Elements. Materials, 2018, 11, 2304.	1.3	39
22	Contact fatigue strength of 21NiCrMo2 steel gears subjected to shot peening treatment. AIP Conference Proceedings, 2018, , .	0.3	1
23	Fatigue Cracking of AA2519-Ti6Al4V Laminate Bonded by Explosion Welding. Solid State Phenomena, 2016, 250, 182-190.	0.3	4
24	An experimental investigation of propagation the semi-elliptical surface cracks in an austenitic steel. International Journal of Pressure Vessels and Piping, 2016, 144, 35-44.	1.2	9
25	PARAMETERS SELECTION OF SHOT PEENING GEARS OF CARBURIZED AND HARDENED STEEL 21NICRMO2. Journal of KONES, 2016, 23, 389-396.	0.2	1
26	Fatigue Characteristic of S355J2 Steel after Surface Frictional-Mechanical Treatment in Corrosive Environment. Solid State Phenomena, 0, 224, 21-26.	0.3	0