

Jacek Janiszewski

List of Publications by Year in descending order

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47
papers

509
citations

933447

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all docs

47
docs citations

47
times ranked

455
citing authors

#	ARTICLE	IF	CITATIONS
1	Ductility of selected metals under electromagnetic ring test loading conditions. International Journal of Solids and Structures, 2012, 49, 1001-1008.	2.7	63
2	Detailed tyre FE modelling with multistage validation for dynamic analysis. Materials and Design, 2016, 96, 68-79.	7.0	48
3	Laboratory investigation on the influence of high compressive strain rates on the hybrid fibre reinforced self-compacting concrete. Construction and Building Materials, 2019, 227, 116687.	7.2	47
4	Deformation of honeycomb cellular structures manufactured with Laser Engineered Net Shaping (LENS) technology under quasi-static loading: Experimental testing and simulation. Additive Manufacturing, 2019, 25, 307-316.	3.0	46
5	Deformation Process of 3D Printed Structures Made from Flexible Material with Different Values of Relative Density. Polymers, 2020, 12, 2120.	4.5	38
6	Investigations on Mechanical Properties of Lattice Structures with Different Values of Relative Density Made from 316L by Selective Laser Melting (SLM). Materials, 2020, 13, 2204.	2.9	33
7	Analysis of deformation history and damage initiation for 6082-T6 aluminium alloy loaded at classic and symmetric Taylor impact test conditions. International Journal of Impact Engineering, 2015, 75, 203-213.	5.0	25
8	Influence of Selective Laser Melting Technological Parameters on the Mechanical Properties of Additively Manufactured Elements Using 316L Austenitic Steel. Materials, 2020, 13, 1449.	2.9	20
9	Effect of Strain Rate on Microstructure Evolution and Mechanical Behavior of Titanium-Based Materials. Metals, 2020, 10, 1404.	2.3	18
10	Tire rubber testing procedure over a wide range of strain rates. Journal of Theoretical and Applied Mechanics, 0, , 727.	0.5	17
11	Experimental testing and 3D meso-scale numerical simulations of SCC subjected to high compression strain rates. Construction and Building Materials, 2021, 302, 124379.	7.2	15
12	Experimental and numerical analysis of Al6063 duralumin using Taylor impact test. EPJ Web of Conferences, 2012, 26, 01062.	0.3	11
13	Tensile Split Hopkinson Bar Technique: Numerical Analysis of the Problem of Wave Disturbance and Specimen Geometry Selection. Metrology and Measurement Systems, 2016, 23, 425-436.	1.4	11
14	Application of an extended Rusinek-Klepaczko constitutive model to predict the mechanical behavior of 6082-T6 aluminum under Taylor impact test conditions. Journal of Strain Analysis for Engineering Design, 2013, 48, 364-375.	1.8	10
15	On Influence of Mechanical Properties of Gun Propellants on Their Ballistic Characteristics Determined in Closed Vessel Tests. Materials, 2020, 13, 3243.	2.9	9
16	Influence of pulse shaper geometry on wave pulses in SHPB experiments. Journal of Theoretical and Applied Mechanics, 0, , 1217.	0.5	9
17	Development of Electromagnetic Ring Expansion Apparatus for High-Strain-Rate Test. Solid State Phenomena, 0, 147-149, 645-650.	0.3	8
18	Numerical and Experimental Studies of a Conical Striker Application for the Achievement of a True and Nominal Constant Strain Rate in SHPB Tests. Experimental Mechanics, 2018, 58, 1325-1330.	2.0	8

#	ARTICLE	IF	CITATIONS
19	Investigation on deformation process of cellular structures with gradient topology manufactured additively. AIP Conference Proceedings, 2019, , .	0.4	8
20	Identification Methods of Parameters for Johnson-Cook Constitutive Equation “ Comparison. Applied Mechanics and Materials, 0, 566, 97-103.	0.2	7
21	Effects of Sample Geometry Imperfections on the Results of Split Hopkinson Pressure Bar Experiments. Experimental Techniques, 2019, 43, 397-403.	1.5	6
22	High strain rate effect on tensile ductility and fracture of AM fabricated Inconel 718 with voided microstructures. Materials and Design, 2021, 208, 109908.	7.0	6
23	Mechanical Behavior of Titanium Based Metal Matrix Composites Reinforced with TiC or TiB Particles under Quasi-Static and High Strain-Rate Compression. Materials, 2021, 14, 6837.	2.9	6
24	Ballistic resistance tests of multi-layer protective panels. Eksploatacja I Niezawodnosc, 2015, 17, 416-421.	2.0	5
25	Effect of Strain Rate on Mechanical Behavior and Microstructure Evolution of Ti-Based T110 Alloy. Metallography, Microstructure, and Analysis, 2021, 10, 839-861.	1.0	5
26	Strain measuring accuracy with splitting-beam laser extensometer technique at split Hopkinson compression bar experiment. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2017, 65, 163-169.	0.8	4
27	The influence of non-axisymmetric pulse shaper position on SHPB experimental data. Journal of Theoretical and Applied Mechanics, 0, , 873.	0.5	4
28	Deformation Mechanism and Structural Changes in the Globular Ti-6Al-4V Alloy under Quasi-Static and Dynamic Compression: To the Question of the Controlling Phase in the Deformation of $\alpha+\beta$ Titanium Alloys. Crystals, 2022, 12, 645.	2.2	4
29	Experimental analysis and constitutive modelling of steel of A-IIIIN strength class. EPJ Web of Conferences, 2015, 94, 05007.	0.3	3
30	Microstructural Changes of the Nanostructured Bainitic Steel Induced by Quasi-Static and Dynamic Deformation. Archives of Metallurgy and Materials, 2017, 62, 2317-2329.	0.6	3
31	Investigation of Copper Fragmentation Property. Solid State Phenomena, 2010, 165, 66-72.	0.3	2
32	Effect of Cross Section Size on Ductility and Fragmentation of Copper Ring at High Strain Rate Loading Conditions. Solid State Phenomena, 2013, 199, 297-302.	0.3	2
33	Quasi-Static and Dynamic Compressive Behavior of Gum Metal: Experiment and Constitutive Model. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4558-4571.	2.2	2
34	Changes in Mechanical Properties of Ultrahigh Strength Nanostructured Steel Resulting from Repeated High Strain Rate Deformation. Problems of Mechatronics Armament Aviation Safety Engineering, 2019, 10, 99-120.	0.2	2
35	Crash Response of Laser-Welded Energy Absorbers Made of Docol 1000DP and Docol 1200M Steels. Materials, 2021, 14, 2808.	2.9	1
36	Problems of Deformation and Damage Studies of Additively Manufactured Regular Cellular Structures. , 2020, , 1-33.		1

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37	Assessment and Comparison of the Mechanical Properties of Laser Welded Joints in Docol 1200M and Strenx S700MC Steel Alloy Grades Under Impact Loads. Problems of Mechatronics Armament Aviation Safety Engineering, 2020, 11, 17-30.	0.2	1
38	Experimental investigations of crater formation as a result of high-velocity impacts on sand bed. PLoS ONE, 2022, 17, e0265546.	2.5	1
39	Selection of a Constitutive Model Used for Prediction of Behaviour of Ring Material Expanded by Pulse Electromagnetic Field. Solid State Phenomena, 0, 147-149, 444-449.	0.3	0
40	Development and Validation of Numerical Model for Predicting Electromagnetic Expansion of Composite Rings. Solid State Phenomena, 0, 198, 627-632.	0.3	0
41	Experimental characterization of B500A and RB500W building steels in compression and in tension. EPJ Web of Conferences, 2018, 183, 04004.	0.3	0
42	Steel fibre reinforced self-compacting concrete subjected to quasi-static and dynamic loading conditions. AIP Conference Proceedings, 2020, , .	0.4	0
43	Methodology for Testing High-Energy Materials Under Low Temperature Conditions. Problems of Mechatronics Armament Aviation Safety Engineering, 2021, 12, 63-74.	0.2	0
44	How the Thermomechanical Processing Can Modify the High Strain Rate Mechanical Response of a Microalloyed Steel. Materials, 2021, 14, 6062.	2.9	0
45	MICROSTRUCTURE AND MECHANICAL PROPERTIES OF STEELS FOR SHAPED CHARGE LINERS AND PRELIMINARY ASSESSMENT OF THE EFFECTIVENESS OF EXPERIMENTAL SHAPED CHARGES INTENDED FOR USE IN THE MINING INDUSTRY. Journal of Metallic Materials, 2021, 73, 2-12.	0.0	0
46	Problems of Deformation and Damage Studies of Additively Manufactured Regular Cellular Structures. , 2022, , 215-247.		0
47	MICROSTRUCTURE, MECHANICAL PROPERTIES AND GEOMETRY OF A MODEL BATCH OF SEMI-SPHERICAL STEEL LINERS INTENDED FOR USE IN THE EXTRACTIVE INDUSTRY. Journal of Metallic Materials, 2022, 73, 7-22.	0.0	0