

# Paweł, Baranowski

## List of Publications by Year in descending order

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489802

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docs citations

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times ranked

791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Problems of Deformation and Damage Studies of Additively Manufactured Regular Cellular Structures. , 2022, , 215-247.		0
2	Shock-induced fracture of dolomite rock in small-scale blast tests. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 1823-1835.	3.7	10
3	Investigation of dolomite™ rock brittle fracture using fully calibrated Karagozian Case Concrete model. International Journal of Mechanical Sciences, 2022, 221, 107197.	3.6	7
4	Dolomite fracture modeling using the Johnson-Holmquist concrete material model: Parameter determination and validation. Journal of Rock Mechanics and Geotechnical Engineering, 2021, 13, 335-350.	3.7	26
5	Numerical Simulation of Vehicle“Lighting Pole Crash Tests: Parametric Study of Factors Influencing Predicted Occupant Safety Levels. Materials, 2021, 14, 2822.	1.3	8
6	Failure behavior of a concrete slab perforated by a deformable bullet. Engineering Structures, 2021, 245, 112832.	2.6	10
7	Experimental testing and 3D meso-scale numerical simulations of SCC subjected to high compression strain rates. Construction and Building Materials, 2021, 302, 124379.	3.2	15
8	Local blast wave interaction with tire structure. Defence Technology, 2020, 16, 520-529.	2.1	18
9	Experimental testing and numerical simulations of blast-induced fracture of dolomite rock. Meccanica, 2020, 55, 2337-2352.	1.2	25
10	LASER ULTRASONIC MEASUREMENT OF MECHANICAL DECAY IN LIMESTONE CAUSED BY FREEZE-THAW CYCLES. Acta Polytechnica, 2020, 60, 410-414.	0.3	3
11	Determination and validation of Karagozian-Case Concrete constitutive model parameters for numerical modeling of dolomite rock. International Journal of Rock Mechanics and Minings Sciences, 2020, 129, 104302.	2.6	23
12	Fracture and fragmentation of dolomite rock using the JH-2 constitutive model: Parameter determination, experiments and simulations. International Journal of Impact Engineering, 2020, 140, 103543.	2.4	50
13	Experimental and numerical flow analysis through arteries with stent using particle image velocimetry and computational fluid dynamics method. Biocybernetics and Biomedical Engineering, 2020, 40, 740-751.	3.3	23
14	Problems of Deformation and Damage Studies of Additively Manufactured Regular Cellular Structures. , 2020, , 1-33.		1
15	Destress Blasting of Rock Mass: Multiscale Modelling and Simulation. Shock and Vibration, 2019, 2019, 1-11.	0.3	14
16	Modelling and testing of 3D printed cellular structures under quasi-static and dynamic conditions. Thin-Walled Structures, 2019, 145, 106385.	2.7	60
17	A method of failure modeling for 3D printed cellular structures. Materials and Design, 2019, 174, 107802.	3.3	46
18	Identification of Mechanical Properties for Titanium Alloy Ti-6Al-4V Produced Using LENS Technology. Materials, 2019, 12, 886.	1.3	18

#	ARTICLE	IF	CITATIONS
19	Static and Dynamic Loading Behavior of Ti6Al4V Honeycomb Structures Manufactured by Laser Engineered Net Shaping (LENSTM) Technology. <i>Materials</i> , 2019, 12, 1225.	1.3	46
20	LENS Ti-6Al-4V alloy material properties determination for LS-Dyna package. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4
21	Investigation on deformation process of cellular structures with gradient topology manufactured additively. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	8
22	Numerical Modelling of Cylindrical Test for Determining Jones " Wilkins - Lee Equation Parameters. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 388-394.	0.3	4
23	Deformation of honeycomb cellular structures manufactured with Laser Engineered Net Shaping (LENS) technology under quasi-static loading: Experimental testing and simulation. <i>Additive Manufacturing</i> , 2019, 25, 307-316.	1.7	46
24	Modelling, and characterization of 3D printed cellular structures. <i>Materials and Design</i> , 2018, 142, 177-189.	3.3	135
25	Possibilities of rock constitutive modelling and simulations. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
26	Analysis of artery blood flow before and after angioplasty. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
27	Performance of steel pipe reinforced with composite sleeve. <i>Composite Structures</i> , 2018, 183, 199-211.	3.1	22
28	Analysis of mechanics of side impact test defined in UN/ECE Regulation 129. <i>Traffic Injury Prevention</i> , 2018, 19, 256-263.	0.6	8
29	Improved child-resistant system for better side impact protection. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 3925-3935.	1.5	16
30	Modelling of guillotine cutting of multi-layered aluminum sheets. <i>Journal of Manufacturing Processes</i> , 2018, 34, 374-388.	2.8	25
31	Airless Tire Conceptions Modeling and Simulations. <i>Lecture Notes in Mechanical Engineering</i> , 2017, , 293-301.	0.3	16
32	Modeling of abrasive wear by the meshless smoothed particle hydrodynamics method. <i>Journal of Friction and Wear</i> , 2016, 37, 94-99.	0.1	11
33	Numerical Analysis of Child Restraint System Equipped with Built-in Belts Pretensioner During Frontal Impact. <i>Springer Proceedings in Mathematics and Statistics</i> , 2016, , 27-38.	0.1	0
34	Experimental and Numerical Testing of Gas Pipeline Subjected to Excavator Elements Interference. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2016, 138, .	0.4	5
35	Numerical and experimental testing of vehicle tyre under impulse loading conditions. <i>International Journal of Mechanical Sciences</i> , 2016, 106, 346-356.	3.6	42
36	Detailed tyre FE modelling with multistage validation for dynamic analysis. <i>Materials and Design</i> , 2016, 96, 68-79.	3.3	48

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37	Numerical study of selected military vehicle chassis subjected to blast loading in terms of tire strength improving. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2015, 63, 867-878.	0.8	23
38	A child seat numerical model validation in the static and dynamic work conditions. Archives of Civil and Mechanical Engineering, 2015, 15, 361-375.	1.9	27
39	Blast loading influence on load carrying capacity of I-column. Engineering Structures, 2015, 104, 107-115.	2.6	26
40	Optimization of protective panel for critical supporting elements. Composite Structures, 2015, 134, 493-505.	3.1	30
41	Dynamic behaviour of Various Fibre Systems During Impact Interaction – Numerical Approach. Fibres and Textiles in Eastern Europe, 2015, 23, 72-82.	0.2	16
42	Thermovision in the Validation Process of Numerical Simulation of Braking. Metrology and Measurement Systems, 2014, 21, 329-340.	1.4	7
43	SPLIT HOPKINSON PRESSURE BAR IMPULSE EXPERIMENTAL MEASUREMENT WITH NUMERICAL VALIDATION. Metrology and Measurement Systems, 2014, 21, 47-58.	1.4	20
44	IDENTIFICATION OF LAYERS DISTRIBUTION IN THE COMPOSITE COUPON USING FINITE ELEMENT METHOD AND THREE POINT BENDING TEST. Acta Mechanica Et Automatica, 2013, 7, 160-165.	0.3	3
45	DYNAMIC TESTING OF COPPER MATERIAL – NUMERICAL APPROACH. Acta Mechanica Et Automatica, 2013, 7, 196-202.	0.3	3
46	Load carrying capacity numerical study of I-beam pillar structure with blast protective panel. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2013, 61, 451-457.	0.8	2
47	Numerical study for determination of pulse shaping design variables in SHPB apparatus. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2013, 61, 459-466.	0.8	21
48	Thermal measurement of brake pad lining surfaces during the braking process. Proceedings of SPIE, 2012, , .	0.8	3
49	Long lasting time outdoor atmospheric corrosion tests: electrochemical analysis. WIT Transactions on Engineering Sciences, 2011, , .	0.0	0
50	Numerical Analysis of Vehicle Suspension System Response Subjected to Blast Wave. Applied Mechanics and Materials, 0, 82, 728-733.	0.2	8
51	Simulation of Rubber-Coated Fabric Material Damage. Key Engineering Materials, 0, 488-489, 585-588.	0.4	2
52	Rubber Structural Coupon Behaviour Study under Pressure Impulse. Solid State Phenomena, 0, 198, 394-399.	0.3	0
53	Tire rubber testing procedure over a wide range of strain rates. Journal of Theoretical and Applied Mechanics, 0, , 727.	0.2	17