

Robert Panowicz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermo-oxidative aging of the polyoxymethylene (POM), acrylonitrile-butadiene-styrene (ABS) and polycarbonate (PC) polymers – a comparative study. <i>Journal of Polymer Research</i> , 2022, 29, .	1.2	4
2	Properties of Polyethylene Terephthalate (PET) after Thermo-Oxidative Aging. <i>Materials</i> , 2021, 14, 3833.	1.3	39
3	Microstructure Evolution of 316L Steel Prepared with the Use of Additive and Conventional Methods and Subjected to Dynamic Loads: A Comparative Study. <i>Materials</i> , 2020, 13, 4893.	1.3	7
4	Influence of Imperfect Position of a Striker and Input Bar on Wave Propagation in a Split Hopkinson Pressure Bar (SHPB) Setup with a Pulse-Shape Technique. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2423.	1.3	13
5	Shaping the incident impulse in the modified split Hopkinson pressure bar method. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
6	Numerical evaluation of applicability and accuracy of gurney equations for use in fixed size setups. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
7	Effects of Sample Geometry Imperfections on the Results of Split Hopkinson Pressure Bar Experiments. <i>Experimental Techniques</i> , 2019, 43, 397-403.	0.9	6
8	Numerical and Experimental Studies of a Conical Striker Application for the Achievement of a True and Nominal Constant Strain Rate in SHPB Tests. <i>Experimental Mechanics</i> , 2018, 58, 1325-1330.	1.1	8
9	Strain measuring accuracy with splitting-beam laser extensometer technique at split Hopkinson compression bar experiment. <i>Bulletin of the Polish Academy of Sciences: Technical Sciences</i> , 2017, 65, 163-169.	0.8	4
10	Analysis of Criteria for Determining a TNT Equivalent. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2017, 63, .	0.6	5
11	Tensile Split Hopkinson Bar Technique: Numerical Analysis of the Problem of Wave Disturbance and Specimen Geometry Selection. <i>Metrology and Measurement Systems</i> , 2016, 23, 425-436.	1.4	11
12	Non-destructive evaluation of puncture region in polyethylene composite by terahertz and X-ray radiation. <i>Composites Part B: Engineering</i> , 2016, 92, 315-325.	5.9	33
13	ANALYSIS OF THE DETONATION INITIATION POINT POSITION INFLUENCE ON THE CYLINDRICAL FRAGMENTATION WARHEAD EFFECTIVENESS. <i>Journal of KONES</i> , 2016, 23, 263-270.	0.2	1
14	INFLUENCE OF DIMENSIONAL PROPORTIONS OF CYLINDRICAL EXPLOSIVE ON RESULTING BLAST WAVE. <i>Journal of KONES</i> , 2016, 23, 375-380.	0.2	0
15	3D Non-destructive Imaging of Punctures in Polyethylene Composite Armor by THz Time Domain Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015, 36, 770-788.	1.2	21
16	VALIDATION STUDIES OF THE SIMPLIFIED MODEL OF THE MISSILE WITH CUMULATIVE HEAD. <i>Journal of KONES</i> , 2015, 19, 415-420.	0.2	1
17	INFLUENCE OF DESTRUCTOR CASE TYPE ON BEHAVIOUR OF FRAGMENTS IN MILITARY VEHICLES ACTIVE PROTECTION SYSTEM. <i>Journal of KONES</i> , 2014, 21, 183-187.	0.2	3
18	Multiscale Modelling Method for Chosen Functionally Graded Material. <i>Solid State Phenomena</i> , 2013, 199, 593-598.	0.3	1

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19	ANALYSIS OF SELECTED CONTACT ALGORITHMS TYPES IN TERMS OF THEIR PARAMETERS SELECTION. Journal of KONES, 2013, 20, 263-268.	0.2	4
20	Military application of non-destructive properties of THz radiation. , 2012, , .		2
21	Numerical and experimental research on polyisocyanurate foam. Computational Materials Science, 2012, 64, 126-129.	1.4	10
22	Application of composites to impact energy absorption. Computational Materials Science, 2011, 50, 1233-1237.	1.4	16
23	Non-destructive terahertz investigations of polyethylene composite materials. , 2011, , .		1
24	Numerical analysis of missile impact being shot by rocket propelled grenades with rod armour. , 2011, , .		11
25	The influence of conical composite filling on energy absorption during the progressive fracture process. , 2011, , .		1
26	Investigation of Copper Fragmentation Property. Solid State Phenomena, 2010, 165, 66-72.	0.3	2
27	Cratering of a comet nucleus by meteoroids. Advances in Space Research, 1999, 23, 1319-1323.	1.2	3
28	Modifications of Martian ice-saturated regolith due to meteoroid impact. Advances in Space Research, 1999, 23, 1933-1937.	1.2	3
29	<title>GaAs/AlGaAs quantum well infrared detectors among the other types of semiconductor infrared detectors</title>. , 1995, , .		0
30	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
31	Development and Validation of Numerical Model for Predicting Electromagnetic Expansion of Composite Rings. Solid State Phenomena, 0, 198, 627-632.	0.3	0
32	Experimental Studies on Protection Systems of Military Vehicles against RPG Type Missiles. Solid State Phenomena, 0, 240, 244-249.	0.3	0
33	The influence of non-axisymmetric pulse shaper position on SHPB experimental data. Journal of Theoretical and Applied Mechanics, 0, , 873.	0.2	4
34	Influence of pulse shaper geometry on wave pulses in SHPB experiments. Journal of Theoretical and Applied Mechanics, 0, , 1217.	0.2	9