Robert Panowicz

List of Publications by Year
in descending order

34 papers	224 citations	1306789 7 h-index	1058022 14 g-index
34 all docs	34 docs citations	34 times ranked	194 citing authors

#	Article	IF	Citations
1	Properties of Polyethylene Terephthalate (PET) after Thermo-Oxidative Aging. Materials, 2021, 14, 3833.	1.3	39
2	Non-destructive evaluation of puncture region in polyethylene composite by terahertz and X-ray radiation. Composites Part B: Engineering, 2016, 92, 315-325.	5.9	33
3	3D Non-destructive Imaging of Punctures in Polyethylene Composite Armor by THz Time Domain Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 770-788.	1.2	21
4	Application of composites to impact energy absorption. Computational Materials Science, 2011, 50, 1233-1237.	1.4	16
5	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. Applied Sciences (Switzerland), 2020, 10, 2423.	1.3	13
6	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
7	Numerical analysis of missile impact being shot by rocket propelled grenades with rod armour. , 2011, , .		11
8	Numerical and experimental research on polyisocyanurate foam. Computational Materials Science, 2012, 64, 126-129.	1.4	10
9	Influence of pulse shaper geometry on wave pulses in SHPB experiments. Journal of Theoretical and Applied Mechanics, 0, , 1217.	0.2	9
10	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.	1.1	8
11	Microstructure Evolution of 316L Steel Prepared with the Use of Additive and Conventional Methods and Subjected to Dynamic Loads: A Comparative Study. Materials, 2020, 13, 4893.	1.3	7
12	Effects of Sample Geometry Imperfections on the Results of Split Hopkinson Pressure Bar Experiments. Experimental Techniques, 2019, 43, 397-403.	0.9	6
13	Analysis of Criteria for Determining a TNT Equivalent. Strojniski Vestnik/Journal of Mechanical Engineering, 2017, 63, .	0.6	5
14	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
15	The influence of non-axisymmetric pulse shaper position on SHPB experimental data. Journal of Theoretical and Applied Mechanics, 0, , 873.	0.2	4
16	ANALYSIS OF SELECTED CONTACT ALGORITHMS TYPES IN TERMS OF THEIR PARAMETERS SELECTION. Journal of KONES, 2013, 20, 263-268.	0.2	4
17	Thermo-oxidative aging of the polyoxymethylene (POM), acrylonitrileâ€“butadieneâ€“styrene (ABS) and polycarbonate (PC) polymers â€“ a comparative study. Journal of Polymer Research, 2022, 29, .	1.2	4
18	Cratering of a comet nucleus by meteoroids. Advances in Space Research, 1999, 23, 1319-1323.	1.2	3

#	Article	IF	Citations
19	Modifications of Martian ice-saturated regolith due to meteoroid impact. Advances in Space Research, 1999, 23, 1933-1937.	1.2	3
20	INFLUENCE OF DESTRUCTOR CASE TYPE ON BEHAVIOUR OF FRAGMENTS IN MILITARY VEHICLES ACTIVE PROTECTION SYSTEM. Journal of KONES, 2014, 21, 183-187.	0.2	3
21	Investigation of Copper Fragmentation Property. Solid State Phenomena, 2010, 165, 66-72.	0.3	2
22	Military application of non-destructive properities of THz radiation. , 2012, , .		2
23	Non-destructive terahertz investigations of polyethylene composite materials. , 2011, , .		1
24	Multiscale Modelling Method for Chosen Functionally Graded Material. Solid State Phenomena, 2013, 199, 593-598.	0.3	1
25	Shaping the incident impulse in the modified split Hopkinson pressure bar method. AIP Conference Proceedings, 2019, , .	0.3	1
26	The influence of conical composite filling on energy absorption during the progressive fracture process. , 2011, , .		1
27	VALIDATION STUDIES OF THE SIMPLIFIED MODEL OF THE MISSILE WITH CUMULATIVE HEAD. Journal of KONES, 2015, 19, 415-420.	0.2	1
28	ANALYSIS OF THE DETONATION INITIATION POINT POSITION INFLUENCE ON THE CYLINDRICAL FRAGMENTATION WARHEAD EFFECTIVENESS. Journal of KONES, 2016, 23, 263-270.	0.2	1
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	Numerical evaluation of applicability and accuracy of gurney equations for use in fixed size setups. AIP Conference Proceedings, 2019, , .	0.3	0
34	INFLUENCE OF DIMENSIONAL PROPORTIONS OF CYLINDRICAL EXPLOSIVE ON RESULTING BLAST WAVE. Journal of KONES, 2016, 23, 375-380.	0.2	0