

# Grzegorz SÅ,awiÅ,,ski

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

143  
citations

1478505

6  
h-index

1281871

11  
g-index

37  
all docs

37  
docs citations

37  
times ranked

164  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and numerical investigation of fabric impact behavior. Composites Part B: Engineering, 2015, 69, 452-459.	12.0	42
2	Influence of energy absorbers on Malgaigne fracture mechanism in lumbar-pelvic system under vertical impact load. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 313-323.	1.6	14
3	Analysis Regarding the Risk of Injuries of Soldiers Inside a Vehicle during Accidents Caused by Improvised Explosive Devices. Applied Sciences (Switzerland), 2019, 9, 4077.	2.5	13
4	Optimization of two-component armour. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2015, 63, 173-179.	0.8	8
5	Numerical Analysis of the Risk of Neck Injuries Caused By IED Explosion under the Vehicle in Military Environments. Acta Mechanica Et Automatica, 2016, 10, 258-264.	0.6	8
6	Influence of technological imperfections on residual stress fields in riveted joints. Procedia Engineering, 2009, 1, 59-62.	1.2	6
7	Prediction of the Segmental Pelvic Ring Fractures Under Impact Loadings During Car Crash. Advances in Intelligent Systems and Computing, 2019, , 138-149.	0.6	4
8	Risk Assessment Regarding the Injuries of the Lower Limbs of the Driver of a Military Vehicle in the Case of an Explosion Under the Vehicle. Advances in Intelligent Systems and Computing, 2019, , 179-193.	0.6	4
9	Protection of Occupants Military Vehicles Against Mine Threats and Improvised Explosive Devices (IED) / Ochrona ZaÅłogi Pojazdu Wojskowego Przed Wybuchem Min i Improwizowanych UrzÄ...dzeÅł, Wybuchowych (IED). Journal of KONBiN, 2015, 33, 113-122.	0.4	4
10	Analysis of Microslips and Friction in the Riveted Joints. Solid State Phenomena, 0, 165, 388-393.	0.3	3
11	Influence of Material Model on Tensile Loaded Joint. Solid State Phenomena, 2010, 165, 394-399.	0.3	3
12	Study on carbon dioxide thermodynamic behavior for the purpose of shale rock fracturing. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2013, 61, 605-612.	0.8	3
13	Pelvic vertical shear fractures: The damping properties of ligaments depending on the velocity of vertical impact load. AIP Conference Proceedings, 2019, , .	0.4	3
14	Investigation of Helmet-Head Interaction in the Aspect of Craniocerebral Tissue Protection. Advances in Intelligent Systems and Computing, 2020, , 308-315.	0.6	3
15	Numerical Modeling of Magnetorheological Elastomers Microstructure Behavior under Magnetic Field. Solid State Phenomena, 0, 183, 125-130.	0.3	2
16	Protection of Military Vehicles Against Mine Threats and Improvised Explosive Devices / Ochrona PojazdÅłw Wojskowych Przed Wybuchem Min i Improwizowanych UrzÄ...dzeÅł, Wybuchowych. Journal of KONBiN, 2015, 33, 123-134.	0.4	2
17	Investigation of armoured personnel carrier crew subjected to impact load. AIP Conference Proceedings, 2019, , .	0.4	2
18	Risk of injury in lumbar spine during explosion of low-mass charge under vehicle. AIP Conference Proceedings, 2019, , .	0.4	2

#	ARTICLE	IF	CITATIONS
19	Protection capabilities of the ankle joint against the consequences of impact load. AIP Conference Proceedings, 2019, , .	0.4	2
20	Explosive Charge Impact on Dual-Layer Aluminium-Steel Shield. Lecture Notes in Mechanical Engineering, 2017, , 537-541.	0.4	2
21	Experimental Investigations of MREs Behavior under the Cyclic Load. Solid State Phenomena, 2011, 183, 163-168.	0.3	1
22	Development of Stand for Rock Material Fracturing in Laboratory Conditions. Solid State Phenomena, 0, 240, 94-97.	0.3	1
23	Application of a bus seat buffer to mitigate frontal crash effects. AIP Conference Proceedings, 2018, , .	0.4	1
24	Numerical analysis of momentum transfer in the case of blast protection structures. AIP Conference Proceedings, 2019, , .	0.4	1
25	Effect of additional outer protective structure application on reduction of floor plate deformation resulting from detonation of explosive material under vehicle. AIP Conference Proceedings, 2019, , .	0.4	1
26	Numerical Analysis and Experimental Test for the Development of a Small Shaped Charge. Applied Sciences (Switzerland), 2021, 11, 2578.	2.5	1
27	A Comparison Between Two Different Methods of Blast Modelling. Lecture Notes in Mechanical Engineering, 2017, , 527-536.	0.4	1
28	Analysis of the Lower Limb Model Response Under Impact Load. Advances in Intelligent Systems and Computing, 2019, , 150-162.	0.6	1
29	Lower Leg Injury Mechanism Investigation During an IED Blast Under a Vehicle Using an Anatomic Leg Model. Frontiers in Bioengineering and Biotechnology, 2021, 9, 725006.	4.1	1
30	Numerical study of an IED blast protection system. AIP Conference Proceedings, 2019, , .	0.4	0
31	Testing the influence of the stiffness of structure elements of a military vehicle on the safety of the crew. AIP Conference Proceedings, 2019, , .	0.4	0
32	Proving Ground Tests of Selected Energy Absorbing Structure Variants Under a Shock Wave Load. Studies in Systems, Decision and Control, 2018, , 293-310.	1.0	0
33	Numerical and Experimental Tests on Explosive Material Detonation Effect on the Military Vehicle and Its Occupants. Advances in Intelligent Systems and Computing, 2019, , 241-249.	0.6	0
34	Numerical Assessment Regarding the Influence of the Stiffness of the Material Used to Build Multi-layer Energy-Absorbing Panels on the Absorption of the Shock Wave Energy. Mechanisms and Machine Science, 2020, , 61-79.	0.5	0
35	Modelling and the FEM Analysis of the Effects of the Blast Wave on the Floor of a Vehicle According to the AEP-55 Vol. 2 Methodology. Mechanisms and Machine Science, 2020, , 1157-1168.	0.5	0