Grzegorz Mikulowski

List of Publications by Citations

20 papers	224 citations	10 h-index	14 g-index
20 ext. papers	254 ext. citations	3.4 avg, IF	2.99 L-index

#	Paper	IF	Citations
20	Adaptive Landing Gear: Optimum Control Strategy and Potential for Improvement. *Shock and Vibration*, **2009**, 16, 175-194	1.1	37
19	Tests of polyurethane foams with negative Poisson's ratio. *Physica Status Solidi (B): Basic Research*, **2013**, 250, 1988-1995	1.3	35
18	Is the poly (L- lactide- co- caprolactone) nanofibrous membrane suitable for urinary bladder regeneration?. *PLoS ONE*, **2014**, 9, e105295	3.7	32
17	Adaptive landing gear concept: Feedback control validation. *Smart Materials and Structures*, **2007**, 16, 2146-2158	3.4	26
16	Decentralized semi-active damping of free structural vibrations by means of structural nodes with an on/off ability to transmit moments. *Mechanical Systems and Signal Processing*, **2018**, 100, 926-939	7.8	16
15	Biocompatibility of electrospun human albumin: a pilot study. *Biofabrication*, **2015**, 7, 015011	10.5	15
14	Adaptive Impact Absorption – The Concept and Potential Applications. *International Journal of Protective Structures*, **2015**, 6, 357-377	1.5	11
13	Smart Technologies for Adaptive Impact Absorption. *Solid State Phenomena*, **2009**, 154, 187-194	0.4	11
12	Vascularization Potential of Electrospun Poly(L-Lactide-co-Caprolactone) Scaffold: The Impact for Tissue Engineering. *Medical Science Monitor*, **2017**, 23, 1540-1551	3.2	10
11	Characterization of a piezoelectric valve for an adaptive pneumatic shock absorber. *Smart Materials and Structures*, **2013**, 22, 125011	3.4	10
10	Pneumatic Adaptive Absorber: Mathematical Modelling with Experimental Verification. *Mathematical Problems in Engineering*, **2016**, 2016, 1-13	1.1	8
9	Mitigation of forced vibrations by semi-active control of local transfer of moments. *Mechanical Systems and Signal Processing*, **2021**, 157, 107733	7.8	5
8	Adaptive Self-Protection against Shock and Vibration. *Advances in Science and Technology*, **2016**, 101, 133-142	0.1	3
7	Study on the state-dependent path-tracking for smart pneumatic shock-absorber. *Smart Materials and Structures*, **2020**, 29, 115008	3.4	2
6	Failure modes of coatings on steel substrate. *Bulletin of the Polish Academy of Sciences: Technical Sciences*, **2016**, 64, 249-256		1
5	Semi-active vibration control based on switchable transfer of bending moments: study and experimental validation of control performance. *Smart Materials and Structures*, **2021**, 30, 045005	3.4	1
4	Semi-active modal control of structures with lockable joints: general methodology and applications. *Structural Control and Health Monitoring*, **2021**, 28, e2710	4.5	1

List of Publications

3	Vibration isolation concept by switchable stiffness on a semi-active pneumatic actuator. *Smart Materials and Structures*, **2021**, 30, 075019	3.4	0
2	A decentralized strategy of structural reconfiguration in mitigation of vibrations. *Procedia Engineering*, **2017**, 199, 1683-1688		
1	Adaptive Impact Absorption153-213		