

# Wojciech Sochacki

## List of Publications by Year in descending order

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29  
papers

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docs citations

29  
times ranked

143  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relation between Density and Compressive Strength of Foamed Concrete. <i>Materials</i> , 2021, 14, 2967.	2.9	47
2	The Effects of Various Concentrations of NaOH on the Inter-Particle Gelation of a Fly Ash Geopolymer Aggregate. <i>Materials</i> , 2021, 14, 1111.	2.9	31
3	The dynamic stability of a laboratory model of a truck crane. <i>Thin-Walled Structures</i> , 2007, 45, 927-930.	5.3	22
4	The dynamic stability of a simply supported beam with additional discrete elements. <i>Journal of Sound and Vibration</i> , 2008, 314, 180-193.	3.9	15
5	Self-Fluxing Mechanism in Geopolymerization for Low-Sintering Temperature of Ceramic. <i>Materials</i> , 2021, 14, 1325.	2.9	11
6	Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. <i>Materials</i> , 2022, 15, 4178.	2.9	10
7	Optimizing of the Cementitious Composite Matrix by Addition of Steel Wool Fibers (Chopped) Based on Physical and Mechanical Analysis. <i>Materials</i> , 2021, 14, 1094.	2.9	8
8	Modelling and analysis of damped vibration in hydraulic cylinder. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2015, 21, 23-37.	2.2	6
9	Structure optimization of quasi one-dimensional acoustic filters with the use of a genetic algorithm. <i>Wave Motion</i> , 2020, 98, 102645.	2.0	6
10	One dimensional phononic FDTD algorithm and transfer matrix method implementation for Severin aperiodic multilayer. <i>Journal of Applied Mathematics and Computational Mechanics</i> , 2017, 16, 17-27.	0.7	5
11	Functional and Structural Analysis of Wing Folding Mechanism Based on Cockchafer ( <i>Melolontha</i> ) Tj ETQq1 1 0.784314 rgBT <sub>5</sub> /Overlo	0.6	5
12	Vibration of crane radius change system with internal damping. <i>Journal of Applied Mathematics and Computational Mechanics</i> , 2013, 12, 97-103.	0.7	4
13	Damped Vibrations of Hydraulic Cylinder with a Spring-damper System in Supports. <i>Procedia Engineering</i> , 2017, 177, 41-48.	1.2	3
14	The new concept of power transmission to the entomopter wings. <i>Journal of Micro-Bio Robotics</i> , 2020, 16, 225-235.	2.1	3
15	High-performance quasi one-dimensional mirrors of mechanical waves built of periodic and aperiodic structures. <i>Journal of Applied Mathematics and Computational Mechanics</i> , 2018, 17, 19-24.	0.7	3
16	Transmission Properties of Phononical Dodecagonal Filter. <i>Acta Physica Polonica A</i> , 2020, 138, 328-331.	0.5	3
17	Preparation of Fly Ash-Ladle Furnace Slag Blended Geopolymer Foam via Pre-Foaming Method with Polyoxyethylene Alkyether Sulphate Incorporation. <i>Materials</i> , 2022, 15, 4085.	2.9	3
18	The Effect of Polyethylene Glycol Addition on Wettability and Optical Properties of GO/TiO <sub>2</sub> Thin Film. <i>Materials</i> , 2021, 14, 4564.	2.9	2

#	ARTICLE	IF	CITATIONS
19	Damped vibration of the system of changing the crane boom radius. Journal of Applied Mathematics and Computational Mechanics, 2015, 14, 111-122.	0.7	2
20	Transverse and longitudinal damped vibration of the GAMMA type frame. Journal of Applied Mathematics and Computational Mechanics, 2016, 15, 147-155.	0.7	2
21	Comparison of phononic structures with piezoelectric $0.62\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{1/3})\text{O}_3-0.38\text{PbTiO}_3$ defect layers. , 2018, , .		2
22	An Experimental Modal Analysis of the Laboratory Truck Crane Model. Proceedings in Applied Mathematics and Mechanics, 2004, 4, 416-417.	0.2	1
23	Damped vibrations of the $\hat{\Gamma}^c$ type frame with open cracks. Journal of Vibroengineering, 2018, 20, 215-224.	1.0	1
24	Effect of structural damping on vibration of a truck-mounted telescopic crane. AIP Conference Proceedings, 2015, , .	0.4	0
25	Damped vibrations of telescopic crane boom. , 2018, , .		0
26	Transmission Properties of Two-Dimensional Chirped Phononic Crystal. Acta Physica Polonica A, 2019, 135, 153-156.	0.5	0
27	Influence of complex damping on transverse and longitudinal vibrations of portal frame. Journal of Vibroengineering, 2019, 21, 1-10.	1.0	0
28	Transmission in the Phononic Octagonal Lattice Made of an Amorphous $\text{Zr}_{55}\text{Cu}_{30}\text{Ni}_{5}\text{Al}_{10}$ Alloy. Acta Physica Polonica A, 2019, 135, 139-142.	0.5	0
29	Coupled Vibration of Cracked Frame with Damping. Acta Physica Polonica A, 2020, 138, 236-239.	0.5	0