

# Mirosław W. Mrzyglod

## List of Publications by Year in descending order

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19  
papers

80  
citations

1478505

6  
h-index

1474206

9  
g-index

19  
all docs

19  
docs citations

19  
times ranked

75  
citing authors

#	ARTICLE	IF	CITATIONS
1	Uniform crashworthiness optimization of car body for high-speed trains. Structural and Multidisciplinary Optimization, 2014, 49, 327-336.	3.5	20
2	Multiaxial high-cycle fatigue constraints in structural optimization. International Journal of Fatigue, 2007, 29, 1920-1926.	5.7	16
3	Parametric structural optimization with respect to the multiaxial high-cycle fatigue criterion. Structural and Multidisciplinary Optimization, 2006, 33, 161-171.	3.5	15
4	Multi-constrained topology optimization using constant criterion surface algorithm. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2012, 60, 229-236.	0.8	8
5	Conceptual design of the high resolution neutron spectrometer for ITER. Nuclear Fusion, 2019, 59, 065001.	3.5	7
6	Topology optimization of structures with stress and additive manufacturing constraints. Journal of Theoretical and Applied Mechanics, 2020, 58, 459-468.	0.5	7
7	The application of the criteria of multiaxial fatigue in the critical plane for the topology optimization of a structure. AIP Conference Proceedings, 2016, , .	0.4	3
8	An in Silico Analysis of Ankle Joint Loads in Secondary Ankle Osteoarthritis. Case Study. Ortopedia Traumatologia Rehabilitacja, 2015, 17, 305-315.	0.3	2
9	Finite Elements Modeling in Diagnostics of Small Closed Pneumothorax. Advances in Experimental Medicine and Biology, 2015, 866, 7-13.	1.6	1
10	Parallel Computing for Design Optimization with Computationally Expensive Functions using Evolutionary Algorithms. , 0, , .		1
11	Optimization of Railway Vehicle Structures Using Evolutionary Algorithms and Parallel Computing Techniques. , 2006, , .		0
12	Topology Optimization of Structures Subjected to High-Cycle Load Conditions. , 2008, , .		0
13	Topology Optimization of Structures Subjected to Transient Thermomechanical Loading. Lecture Notes in Mechanical Engineering, 2017, , 383-388.	0.4	0
14	Shape optimization of a thick-walled power boiler component. E3S Web of Conferences, 2017, 13, 05002.	0.5	0
15	Shape and operation optimization of a thick-walled power boiler component. MATEC Web of Conferences, 2018, 240, 05006.	0.2	0
16	Numerical procedures of multiaxial fatigue for structural design. AIP Conference Proceedings, 2018, , .	0.4	0
17	Alternative quasi-optimal solutions in evolutionary topology optimization. AIP Conference Proceedings, 2018, , .	0.4	0
18	Optimization of Inlet Valve Leaflet Shape Using Metamodel and Fluid-Structure Interaction. , 0, , .		0

#	ARTICLE	IF	CITATIONS
19	Selected Problems Regarding Construction Of Lightweight Motorcycle Swingarm. , 0, , .		0