

# Bogdan Bochenek

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

220  
citations

1040056

9  
h-index

996975

15  
g-index

28  
all docs

28  
docs citations

28  
times ranked

169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Domain and Multi-Material Topology Optimization in Design and Strengthening of Innovative Sustainable Structures. Sustainability, 2021, 13, 3435.	3.2	7
2	CARMAâ€”Cellular Automata with Refined Mesh Adaptationâ€”The Easy Way of Generation of Structural Topologies. Applied Sciences (Switzerland), 2020, 10, 3691.	2.5	3
3	Novel Topology Optimization Techniques Adapted to Strengthening of Civil Structures Suffering from the Effects of Material Degradation. IOP Conference Series: Materials Science and Engineering, 2019, 471, 052010.	0.6	0
4	GHOSTâ€”Gate to Hybrid Optimization of Structural Topologies. Materials, 2019, 12, 1152.	2.9	3
5	A Heuristic Approach to Subdomain Oriented Multi-material Topology Optimization. , 2019, , 949-958.		0
6	A heuristic approach to optimization of structural topology including self-weight. AIP Conference Proceedings, 2018, , .	0.4	1
7	Generation of structural topologies using efficient technique based on sorted compliances. AIP Conference Proceedings, 2018, , .	0.4	0
8	A Novel Heuristic Generator of Structural Topologies Based on Sorted Compliances. , 2018, , 1296-1305.		0
9	GOTICA - generation of optimal topologies by irregular cellular automata. Structural and Multidisciplinary Optimization, 2017, 55, 1989-2001.	3.5	22
10	Topology Optimization - Engineering Contribution to Architectural Design. IOP Conference Series: Materials Science and Engineering, 2017, 245, 082057.	0.6	9
11	Minimal compliance topologies for maximal buckling load of columns. Structural and Multidisciplinary Optimization, 2015, 51, 1149-1157.	3.5	18
12	Topology optimization with efficient rules of cellular automata. Engineering Computations, 2013, 30, 1086-1106.	1.4	11
13	Novel local rules of cellular automata applied to topology and size optimization. Engineering Optimization, 2012, 44, 23-35.	2.6	23
14	Discrete-Continuum Transition in Modelling Nanomaterials. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 63-74.	0.2	0
15	On a compressed elasticâ€”plastic column optimized for post-buckling behaviour. Engineering Optimization, 2008, 40, 1101-1114.	2.6	3
16	Atomic/Continuum Transition at Interfaces of Nanocomposite Materials. Key Engineering Materials, 2007, 334-335, 657-660.	0.4	2
17	Optimization against instability in the large. Engineering Optimization, 2005, 37, 411-424.	2.6	0
18	Identification of Plane and Spatial Clustered Distributions of Particulate Inclusions. AIP Conference Proceedings, 2004, , .	0.4	0

#	ARTICLE	IF	CITATIONS
19	Reconstruction of random microstructuresâ€”a stochastic optimization problem. Computational Materials Science, 2004, 31, 93-112.	3.0	48
20	On a model of elastic-plastic structure optimized for post-buckling behaviour. Engineering Optimization, 2003, 35, 67-78.	2.6	1
21	A NEW CONCEPT OF OPTIMIZATION FOR POSTBUCKLING BEHAVIOUR. Engineering Optimization, 2001, 33, 503-522.	2.6	16
22	OPTIMIZATION OF GEOMETRICALLY NONLINEAR STUCTURES WITH RESPECT TO BOTH BUCKLING AND POSTBUCKLING CONSTRAINTS. Engineering Optimization, 1997, 29, 401-415.	2.6	14
23	OPTIMAL I-SECTION OF AN ELASTIC ARCH UNDER STABILITY CONSTRAINTS. Engineering Optimization, 1990, 16, 137-148.	2.6	3
24	Multimodal optimization of arches under stability constraints with two independent design functions. International Journal of Solids and Structures, 1989, 25, 67-74.	2.7	7
25	ON MULTIMODAL PARAMETRICAL OPTIMIZATION OF ARCHES AGAINST PLANE AND SPATIAL BUCKLING. Engineering Optimization, 1988, 14, 27-37.	2.6	2
26	Multimodal optimal design of a compressed column with respect to buckling in two planes. International Journal of Solids and Structures, 1987, 23, 599-605.	2.7	12
27	Multimodal Optimal Design of a Circular Funicular Arch with Respect to In-Plane and Out-of-Plane Buckling. Journal of Structural Mechanics, 1986, 14, 257-274.	0.6	14