

Krzysztof Szajek

List of Publications by Year in descending order

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14
papers

83
citations

1684188

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1474206

9
g-index

15
all docs

15
docs citations

15
times ranked

88
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete mass-spring structure identification in nonlocal continuum space-fractional model. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	18
2	A two-scale approach for trabecular bone microstructure modeling based on computational homogenization procedure. <i>Computational Mechanics</i> , 2014, 54, 287-298.	4.0	15
3	On selected aspects of space-fractional continuum mechanics model approximation. <i>International Journal of Mechanical Sciences</i> , 2020, 167, 105287.	6.7	13
4	Plane strain and plane stress elasticity under fractional continuum mechanics. <i>Archive of Applied Mechanics</i> , 2015, 85, 1527-1544.	2.2	12
5	Approximation and application of the Riesz-Caputo fractional derivative of variable order with fixed memory. <i>Meccanica</i> , 2022, 57, 861-870.	2.0	7
6	The influence of the nylon balloon stiffness on the efficiency of the intra-aortic balloon occlusion. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2019, 35, e3173.	2.1	5
7	Identification of mechanical properties of 1D deteriorated non-local bodies. <i>Structural and Multidisciplinary Optimization</i> , 2019, 59, 185-200.	3.5	4
8	On numerical approximation of the Riesz-Caputo operator with the fixed/short memory length. <i>Journal of King Saud University - Science</i> , 2021, 33, 101220.	3.5	3
9	Designing of Dynamic Spectrum Shifting in Terms of Non-Local Space-Fractional Mechanics. <i>Energies</i> , 2021, 14, 506.	3.1	2
10	Assessment of Contact Pressures between a Mandibular Overdenture and the Prosthodontic Area. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4339.	2.5	1
11	experimental verification of the two component implant optimization results in context of fatigue life. <i>Eksploracja i Niezawodnosc</i> , 2017, 19, 166-171.	2.0	1
12	Numerical verification of two-component dental implant in the context of fatigue life for various load cases. <i>Acta of Bioengineering and Biomechanics</i> , 2016, 18, 103-13.	0.4	1
13	Tooth-Implant Life Cycle Design. <i>Advanced Structured Materials</i> , 2010, , 391-422.	0.5	0
14	Complexity of an Identification Problem of Sharp Local Density Loss in Fractional Body. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 282-293.	0.4	0