Krzysztof Szajek

List of Publications by Year
in descending order

14 papers	83 citations	1684188 5 h-index	1474206 9 g-index
15 all docs	15 docs citations	15 times ranked	88 citing authors

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