Grzegorz Kokot

List of Publications by Year in descending order

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		1478280	1058333
21	189	6	14
papers	citations	h-index	g-index

21	21	21	228
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A study on fiber orientation influence on the mechanical response of a short fiber composite structure. Acta Mechanica, 2016, 227, 173-183.	1.1	39
2	Prediction of Young×³s modulus of trabeculae in microscale using macro-scale×³s relationships between bone density and mechanical properties. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 36, 120-134.	1.5	36
3	Homogenization of inelastic composites with misaligned inclusions by using the optimal pseudo-grain discretization. International Journal of Solids and Structures, 2017, 113-114, 230-240.	1.3	22
4	Characterization and properties of PVD coatings applied to extrusion dies. Vacuum, 2012, 86, 2082-2088.	1.6	20
5	Generation of the representative volume elements of composite materials with misaligned inclusions. Composite Structures, 2018, 201, 636-646.	3.1	19
6	Modelling and Laboratory Tests of the Temperature Influence on the Efficiency of the Energy Harvesting System Based on MFC Piezoelectric Transducers. Sensors, 2019, 19, 1558.	2.1	11
7	Determination of Local Strain Distribution at the Level of the Constituents of Particle Reinforced Composite: An Experimental and Numerical Study. Materials, 2020, 13, 3889.	1.3	6
8	Analysis of Strain Field Heterogeneity at the Microstructure Level and Inverse Identification of Composite Constituents by Means of Digital Image Correlation. Materials, 2020, 13, 287.	1.3	5
9	The Topology Optimization Using Evolutionary Algorithms. , 2004, , 173-186.		5
10	The numerical simulation of FOPS and ROPS tests using LS-DYNA. Mechanika, 2019, 25, 383-390.	0.3	5
11	Modeling of constitutive behavior of anisotropic composite material using multi-scale approach. Mechanika, 2015, 21, .	0.3	4
12	Microscaleâ€™s relationship between Youngâ€™s modulus and tissue density. Prediction of displacements. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 1658-1668.	0.9	4
13	Mechanical properties of cancellous tissue in compression test and nanoindentation. Bio-Medical Materials and Engineering, 2018, 29, 415-426.	0.4	4
14	Image-based finite element modeling of the three-point bending test of cortical bone. Proceedings of SPIE, 2012, , .	0.8	2
15	Numerical analysis of the influence of the blast wave on the composite structure. Mechanika, 2014, 20, .	0.3	2
16	On the benefits of living in clumps: a case study on Polytrichastrum formosum. Plant Biology, 2017, 19, 156-164.	1.8	2
17	Identification of elastic properties of individual material phases by cou-pling of micromechanical model and evolutionary algorithm. Mechanika, 2016, 22, .	0.3	2
18	A project of bioresorbable self-expanding vascular stents. The crimping process numerical simulation. AIP Conference Proceedings, 2018, , .	0.3	1

#	Article	IF	Citations
19	Technologia spawania laserowego rur oÅ¼ebrowanych; Finned pipes laser welding technology. PrzeglÄ…d Spawalnictwa, 2015, 86, .	0.5	0
20	Non-linearly viscoelastic constitutive equation of cancellous bone tissue and identification of material constants. InÅ¼ynieria Powierzchni, 2018, 23, 12-17.	0.1	0
21	Two-Step Geometry Design Method, Numerical Simulations and Experimental Studies of Bioresorbable Stents. Materials, 2022, 15, 2385.	1.3	0