Zhaoyu Chen

List of Publications by Year
in descending order

		1684188	1281871
12	129	5	11
papers	citations	h-index	g-index
13	13	13	144
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Development of electrospun, biomimetic tympanic membrane implants with tunable mechanical and oscillatory properties for myringoplasty. Biomaterials Science, 2022, 10, 2287-2301.	5.4	5
2	Simulation and Development of Biomimetic Electrospun PCL Nanofibrous Tympanic Membrane Implants. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000100.	0.2	4
3	Development of Fibrous SF/PCL Tympanic Membrane Scaffolds via Electrospinning: Modeling and Experimental Verification. Proceedings in Applied Mathematics and Mechanics, 2021, 21, .	0.2	0
4	Numerical analysis of Ni/Al hybrid metal foams using the finite cell method. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 299-300.	0.2	1
5	Characterization of Ni/Al hybrid foam from atomic to microscale. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 283-284.	0.2	1
6	Indentation of PU at different scales and computational modeling: identification of viscoelasticity and quantification of adhesion effects. Archive of Applied Mechanics, 2015, 85, 1225-1243.	2.2	5
7	Macroindentation of a soft polymer: Identification of hyperelasticity and validation by uni/biaxial tensile tests. Mechanics of Materials, 2013, 64, 111-127.	3.2	36
8	Identification of finite viscoelasticity and adhesion effects in nanoindentation of a soft polymer by inverse method. Computational Materials Science, 2013, 72, 127-139.	3.0	24
9	Surface Roughness Effects in Nanoindentation of Soft Polymers. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 297-298.	0.2	3
10	Nanoindentation of hyperelastic polymer layers at finite deformation and parameter re-identification. Archive of Applied Mechanics, 2012, 82, 1041-1056.	2.2	22
11	Modelling and parameter re-identification of nanoindentation of soft polymers taking into account effects of surface roughness. Computers and Mathematics With Applications, 2012, 64, 2775-2786.	2.7	24
12	Numerical investigation of nanoindentation of viscoelastic polymer layers and parameters re-identification. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 765-766.	0.2	3