

Zhaoyu Chen

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

129
citations

1684188

5
h-index

1281871

11
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13
all docs

13
docs citations

13
times ranked

144
citing authors

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