

Yifei Yao

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

269
citations

1040056

9
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular hydrogels cross-linked by preassembled host-guest PEG cross-linkers resist excessive, ultrafast, and non-resting cyclic compression. <i>NPG Asia Materials</i> , 2018, 10, 788-799.	7.9	50
2	Osteocalcin expressing cells from tendon sheaths in mice contribute to tendon repair by activating Hedgehog signaling. <i>ELife</i> , 2017, 6, .	6.0	49
3	Prediction of Freezing of Gait in Patients With Parkinson's Disease by Identifying Impaired Gait Patterns. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 591-600.	4.9	29
4	Effects of oxidative stress-induced changes in the actin cytoskeletal structure on myoblast damage under compressive stress: confocal-based cell-specific finite element analysis. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 1495-1508.	2.8	25
5	The Effects of Oxidative Stress on the Compressive Damage Thresholds of C2C12 Mouse Myoblasts: Implications for Deep Tissue Injury. <i>Annals of Biomedical Engineering</i> , 2015, 43, 287-296.	2.5	14
6	Promoting intracellular delivery of sub-25 nm nanoparticles via defined levels of compression. <i>Nanoscale</i> , 2018, 10, 15090-15102.	5.6	13
7	Aortic Baroreceptors Display Higher Mechanosensitivity than Carotid Baroreceptors. <i>Frontiers in Physiology</i> , 2016, 7, 384.	2.8	12
8	Finite element analysis for transverse carpal ligament tensile strain and carpal arch area. <i>Journal of Biomechanics</i> , 2018, 73, 210-216.	2.1	12
9	Change in viability of C2C12 myoblasts under compression, shear and oxidative challenges. <i>Journal of Biomechanics</i> , 2016, 49, 1305-1310.	2.1	11
10	Walking stability in patients with benign paroxysmal positional vertigo: an objective assessment using wearable accelerometers and machine learning. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 56.	4.6	10
11	Enhancement in median nerve mobility during radioulnar wrist compression in carpal tunnel syndrome patients. <i>Clinical Biomechanics</i> , 2018, 60, 83-88.	1.2	8
12	Preventive Effects of Poloxamer 188 on Muscle Cell Damage Mechanics Under Oxidative Stress. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1083-1092.	2.5	7
13	Changes of median nerve conduction, cross-sectional area and mobility by radioulnar wrist compression intervention in patients with carpal tunnel syndrome. <i>Journal of Orthopaedic Translation</i> , 2019, 18, 13-19.	3.9	7
14	Location-dependent change of median nerve mobility in the carpal tunnel of patients with carpal tunnel syndrome. <i>Muscle and Nerve</i> , 2020, 62, 522-527.	2.2	7
15	Relations between the Crowe classification and the 3D femoral head displacement in patients with developmental dysplasia of the hip. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 530.	1.9	6
16	Effects of Biowastes Released by Mechanically Damaged Muscle Cells on the Propagation of Deep Tissue Injury: A Multiphysics Study. <i>Annals of Biomedical Engineering</i> , 2017, 45, 761-774.	2.5	5
17	Strengthening of C2C12 mouse myoblasts against compression damage by mild cyclic compressive stimulation. <i>Journal of Biomechanics</i> , 2016, 49, 3956-3961.	2.1	2
18	Contribution of electrostriction and radiation pressure to Kerr-like nonlinearities in silicon pedestal waveguides. , 2017, , .		1

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19	Cell membrane tensile strain under cyclic compression: A viscoelastic myoblast finite element model. <i>Medicine in Novel Technology and Devices</i> , 2022, 16, 100155.	1.6	1
20	Radiation pressure and electrostriction induced enhancement for Kerr-like nonlinearities in a nanoscale silicon pedestal waveguide. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 055502.	2.2	0
21	GS11-6 The Effects of Actin Filament Structure on C2C12 Myoblasts under Compressive Stress In-vitro : Finite Element Analysis(GS11: Computational Biomechanics). <i>The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics</i> , 2015, 2015.8, 219.	0.0	0