Yifei Yao

List of Publications by Year
in descending order

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Version: 2024-02-01

21	269	1040056 9	940533 16
papers	citations	h-index	g-index

22	22	22	451
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cell membrane tensile strain under cyclic compression: A viscoelastic myoblast finite element model. Medicine in Novel Technology and Devices, 2022, 16, 100155.	1.6	1
2	Walking stability in patients with benign paroxysmal positional vertigo: an objective assessment using wearable accelerometers and machine learning. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 56.	4.6	10
3	Radiation pressure and electrostriction induced enhancement for Kerr-like nonlinearities in a nanoscale silicon pedestal waveguide. Journal of Optics (United Kingdom), 2020, 22, 055502.	2.2	0
4	<scp>Locationâ€dependent</scp> change of median nerve mobility in the carpal tunnel of patients with carpal tunnel syndrome. Muscle and Nerve, 2020, 62, 522-527.	2.2	7
5	Prediction of Freezing of Gait in Patients With Parkinsonâ€™s Disease by Identifying Impaired Gait Patterns. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 591-600.	4.9	29
6	Changes of median nerve conduction, cross-sectional area and mobility by radioulnar wrist compression intervention in patients with carpal tunnel syndrome. Journal of Orthopaedic Translation, 2019, 18, 13-19.	3.9	7
7	Relations between the Crowe classification and the 3D femoral head displacement in patients with developmental dysplasia of the hip. BMC Musculoskeletal Disorders, 2019, 20, 530.	1.9	6
8	Finite element analysis for transverse carpal ligament tensile strain and carpal arch area. Journal of Biomechanics, 2018, 73, 210-216.	2.1	12
9	Enhancement in median nerve mobility during radioulnar wrist compression in carpal tunnel syndrome patients. Clinical Biomechanics, 2018, 60, 83-88.	1.2	8
10	Promoting intracellular delivery of sub-25 nm nanoparticlesviadefined levels of compression. Nanoscale, 2018, 10, 15090-15102.	5.6	13
11	Supramolecular hydrogels cross-linked by preassembled hostâ€“guest PEG cross-linkers resist excessive, ultrafast, and non-resting cyclic compression. NPG Asia Materials, 2018, 10, 788-799.	7.9	50
12	Preventive Effects of Poloxamer 188 on Muscle Cell Damage Mechanics Under Oxidative Stress. Annals of Biomedical Engineering, 2017, 45, 1083-1092.	2.5	7
13	Effects of Biowastes Released by Mechanically Damaged Muscle Cells on the Propagation of Deep Tissue Injury: A Multiphysics Study. Annals of Biomedical Engineering, 2017, 45, 761-774.	2.5	5
14	Osteocalcin expressing cells from tendon sheaths in mice contribute to tendon repair by activating Hedgehog signaling. ELife, 2017, 6, .	6.0	49
15	Contribution of electrostriction and radiation pressure to Kerr-like nonlinearities in silicon pedestal waveguides. , 2017, , .		1
16	Aortic Baroreceptors Display Higher Mechanosensitivity than Carotid Baroreceptors. Frontiers in Physiology, 2016, 7, 384.	2.8	12
17	Strengthening of C2C12 mouse myoblasts against compression damage by mild cyclic compressive stimulation. Journal of Biomechanics, 2016, 49, 3956-3961.	2.1	2
18	Change in viability of C2C12 myoblasts under compression, shear and oxidative challenges. Journal of Biomechanics, 2016, 49, 1305-1310.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Effects of oxidative stress-induced changes in the actin cytoskeletal structure on myoblast damage under compressive stress: confocal-based cell-specific finite element analysis. Biomechanics and Modeling in Mechanobiology, 2016, 15, 1495-1508.	2.8	25
20	The Effects of Oxidative Stress on the Compressive Damage Thresholds of C2C12 Mouse Myoblasts: Implications for Deep Tissue Injury. Annals of Biomedical Engineering, 2015, 43, 287-296.	2.5	14
21	GS11-6 The Effects of Actin Filament Structure on C2C12 Myoblasts under Compressive Stress In-vitro : Finite Element Analysis(GS11: Computational Biomechanics). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 219.	0.0	0