

Glen Cooper

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

889
citations

471509

17
h-index

477307

29
g-index

37
all docs

37
docs citations

37
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Inertial sensor-based knee flexion/extension angle estimation. <i>Journal of Biomechanics</i> , 2009, 42, 2678-2685.	2.1	226
2	3D Printing of Polycaprolactoneâ€“Polyaniline Electroactive Scaffolds for Bone Tissue Engineering. <i>Materials</i> , 2020, 13, 512.	2.9	85
3	Metallic bone fixation implants: a novel design approach for reducing the stress shielding phenomenon. <i>Virtual and Physical Prototyping</i> , 2017, 12, 141-151.	10.4	57
4	Thermally triggered hydrogel injection into bovine intervertebral disc tissue explants induces differentiation of mesenchymal stem cells and restores mechanical function. <i>Acta Biomaterialia</i> , 2017, 54, 212-226.	8.3	50
5	3D-Printed Poly(É)-caprolactone)/Graphene Scaffolds Activated with P1-Latex Protein for Bone Regeneration. <i>3D Printing and Additive Manufacturing</i> , 2018, 5, 127-137.	2.9	33
6	Development and characterization of a photocurable alginate bioink for three-dimensional bioprinting. <i>International Journal of Bioprinting</i> , 2019, 5, 189.	3.4	30
7	Is stair descent in the elderly associated with periods of high centre of mass downward accelerations?. <i>Experimental Gerontology</i> , 2013, 48, 283-289.	2.8	29
8	Contributory Factors to Unsteadiness During Walking Up and Down Stairs in Patients With Diabetic Peripheral Neuropathy. <i>Diabetes Care</i> , 2014, 37, DC_140955.	8.6	28
9	Conductive Polymeric-Based Electroactive Scaffolds for Tissue Engineering Applications: Current Progress and Challenges from Biomaterials and Manufacturing Perspectives. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11543.	4.1	27
10	Walking cadence affects rate of plantar foot temperature change but not final temperature in younger and older adults. <i>Gait and Posture</i> , 2017, 52, 272-279.	1.4	26
11	A review on the use of additive manufacturing to produce lower limb orthoses. <i>Progress in Additive Manufacturing</i> , 2020, 5, 85-94.	4.8	26
12	The use of hydrogel as an electrodeâ€“skin interface for electrode array FES applications. <i>Medical Engineering and Physics</i> , 2011, 33, 967-972.	1.7	23
13	Biological perspectives and current biofabrication strategies in osteochondral tissue engineering. <i>Biomanufacturing Reviews</i> , 2020, 5, 1.	4.8	22
14	Feasibility Study of a Take-Home Array-Based Functional Electrical Stimulation System With Automated Setup for Current Functional Electrical Stimulation Users With Foot-Drop. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 1870-1877.	0.9	21
15	Green Synthesis of Silver Nanoparticles Using Extract of Cilembu Sweet Potatoes (<i>Ipomoea batatas</i> L) Tj ETQq1 1 0.784314 rgBT /Over 2021, 26, 2042.	3.8	20
16	Novel 3D Bioglass Scaffolds for Bone Tissue Regeneration. <i>Polymers</i> , 2022, 14, 445.	4.5	20
17	Enhancing public involvement in assistive technology design research. <i>Disability and Rehabilitation: Assistive Technology</i> , 2015, 10, 258-265.	2.2	19
18	In vivo mechanical behaviour of the anterior cruciate ligament: A study of six daily and high impact activities. <i>Gait and Posture</i> , 2017, 58, 201-207.	1.4	19

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19	Is human Achilles tendon deformation greater in regions where cross-sectional area is smaller?. Journal of Experimental Biology, 2017, 220, 1634-1642.	1.7	14
20	Investigating the Influence of Architecture and Material Composition of 3D Printed Anatomical Design Scaffolds for Large Bone Defects. International Journal of Bioprinting, 2021, 7, 268.	3.4	14
21	Rachis morphology cannot accurately predict the mechanical performance of primary feathers in extant (and therefore fossil) feathered flyers. Royal Society Open Science, 2017, 4, 160927.	2.4	13
22	A micromechanical muscle model for determining the impact of motor unit fiber clustering on force transmission in aging skeletal muscle. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1401-1413.	2.8	11
23	Monitoring of Dynamic Plantar Foot Temperatures in Diabetes with Personalised 3D-Printed Wearables. Sensors, 2021, 21, 1717.	3.8	11
24	Bone Bricks: The Effect of Architecture and Material Composition on the Mechanical and Biological Performance of Bone Scaffolds. ACS Omega, 2022, 7, 7515-7530.	3.5	11
25	An In-shoe Temperature Measurement System for Studying Diabetic Foot Ulceration Etiology: Preliminary Results with Healthy Participants. Procedia CIRP, 2016, 49, 153-156.	1.9	10
26	A review of the design and clinical evaluation of the ShefStim array-based functional electrical stimulation system. Medical Engineering and Physics, 2016, 38, 1159-1165.	1.7	9
27	Characterizing wing tears in common pipistrelles (Pipistrellus pipistrellus): investigating tear distribution, wing strength, and possible causes. Journal of Mammalogy, 2019, 100, 1282-1294.	1.3	6
28	A mechanical protocol to replicate impact in walking footwear. Gait and Posture, 2014, 40, 26-31.	1.4	5
29	Design Consideration for ACL Implants based on Mechanical Loading. Procedia CIRP, 2016, 49, 133-138.	1.9	5
30	Mitigating the environmental impact of plastic PPE: more than just disposal. BMJ, The, 2021, 372, n752.	6.0	5
31	Lumbar Intervertebral Disc Herniation: Annular Closure Devices and Key Design Requirements. Bioengineering, 2022, 9, 47.	3.5	4
32	The Design, Development and Evaluation of an Array-Based FES System with Automated Setup for the Correction of Drop Foot. IFAC-PapersOnLine, 2015, 48, 309-314.	0.9	3
33	A sock for foot-drop. Prosthetics and Orthotics International, 2014, 38, 425-430.	1.0	2
34	The manipulation of midsole properties to alter impact characteristics in walking. Footwear Science, 2015, 7, 9-16.	2.1	2
35	Experimental Modelling of Heat Generation in Porcine Tissue to Investigate the Etiology of Diabetic Foot Ulceration. Procedia CIRP, 2016, 49, 170-173.	1.9	0