

Glen Cooper

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6973932/publications.pdf>

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	Lumbar Intervertebral Disc Herniation: Annular Closure Devices and Key Design Requirements. <i>Bioengineering</i> , 2022, 9, 47.	3.5	4
2	Novel 3D Bioglass Scaffolds for Bone Tissue Regeneration. <i>Polymers</i> , 2022, 14, 445.	4.5	20
3	Bone Bricks: The Effect of Architecture and Material Composition on the Mechanical and Biological Performance of Bone Scaffolds. <i>ACS Omega</i> , 2022, 7, 7515-7530.	3.5	11
4	Investigating the Influence of Architecture and Material Composition of 3D Printed Anatomical Design Scaffolds for Large Bone Defects. <i>International Journal of Bioprinting</i> , 2021, 7, 268.	3.4	14
5	Monitoring of Dynamic Plantar Foot Temperatures in Diabetes with Personalised 3D-Printed Wearables. <i>Sensors</i> , 2021, 21, 1717.	3.8	11
6	Mitigating the environmental impact of plastic PPE: more than just disposal. <i>BMJ, The</i> , 2021, 372, n752.	6.0	5
7	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
8	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
9	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
10	Biological perspectives and current biofabrication strategies in osteochondral tissue engineering. <i>Biomanufacturing Reviews</i> , 2020, 5, 1.	4.8	22
11	3D Printing of Polycaprolactone“Polyaniline Electroactive Scaffolds for Bone Tissue Engineering. <i>Materials</i> , 2020, 13, 512.	2.9	85
12	Characterizing wing tears in common pipistrelles (<i>Pipistrellus pipistrellus</i>): investigating tear distribution, wing strength, and possible causes. <i>Journal of Mammalogy</i> , 2019, 100, 1282-1294.	1.3	6
13	A micromechanical muscle model for determining the impact of motor unit fiber clustering on force transmission in aging skeletal muscle. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 1401-1413.	2.8	11
14	Development and characterization of a photocurable alginate bioink for three-dimensional bioprinting. <i>International Journal of Bioprinting</i> , 2019, 5, 189.	3.4	30
15	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
16	Is human Achilles tendon deformation greater in regions where cross-sectional area is smaller?. <i>Journal of Experimental Biology</i> , 2017, 220, 1634-1642.	1.7	14
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Rachis morphology cannot accurately predict the mechanical performance of primary feathers in extant (and therefore fossil) feathered flyers. <i>Royal Society Open Science</i> , 2017, 4, 160927.	2.4	13
20	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
21	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
22	An In-shoe Temperature Measurement System for Studying Diabetic Foot Ulceration Etiology: Preliminary Results with Healthy Participants. <i>Procedia CIRP</i> , 2016, 49, 153-156.	1.9	10
23	A review of the design and clinical evaluation of the ShefStim array-based functional electrical stimulation system. <i>Medical Engineering and Physics</i> , 2016, 38, 1159-1165.	1.7	9
24	Design Consideration for ACL Implants based on Mechanical Loading. <i>Procedia CIRP</i> , 2016, 49, 133-138.	1.9	5
25	Experimental Modelling of Heat Generation in Porcine Tissue to Investigate the Etiology of Diabetic Foot Ulceration. <i>Procedia CIRP</i> , 2016, 49, 170-173.	1.9	0
26	The Design, Development and Evaluation of an Array-Based FES System with Automated Setup for the Correction of Drop Foot. <i>IFAC-PapersOnLine</i> , 2015, 48, 309-314.	0.9	3
27	The manipulation of midsole properties to alter impact characteristics in walking. <i>Footwear Science</i> , 2015, 7, 9-16.	2.1	2
28	Enhancing public involvement in assistive technology design research. <i>Disability and Rehabilitation: Assistive Technology</i> , 2015, 10, 258-265.	2.2	19
29	A sock for foot-drop. <i>Prosthetics and Orthotics International</i> , 2014, 38, 425-430.	1.0	2
30	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
31	A mechanical protocol to replicate impact in walking footwear. <i>Gait and Posture</i> , 2014, 40, 26-31.	1.4	5
32	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
33	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
34	The use of hydrogel as an electrode-skin interface for electrode array FES applications. <i>Medical Engineering and Physics</i> , 2011, 33, 967-972.	1.7	23
35	Inertial sensor-based knee flexion/extension angle estimation. <i>Journal of Biomechanics</i> , 2009, 42, 2678-2685.	2.1	226