

Oliver R Boughton

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

658
citations

623734

14
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	The design and in vivo testing of a locally stiffness-matched porous scaffold. <i>Applied Materials Today</i> , 2019, 15, 377-388.	4.3	84
2	Standardizing compression testing for measuring the stiffness of human bone. <i>Bone and Joint Research</i> , 2018, 7, 524-538.	3.6	65
3	Individual response variations in scaffold-guided bone regeneration are determined by independent strain- and injury-induced mechanisms. <i>Biomaterials</i> , 2019, 194, 183-194.	11.4	63
4	Long-term effects of bisphosphonate therapy: perforations, microcracks and mechanical properties. <i>Scientific Reports</i> , 2017, 7, 43399.	3.3	56
5	Current concepts for aligning knee implants: patient-specific or systematic?. <i>EFORT Open Reviews</i> , 2018, 3, 1-6.	4.1	51
6	Day-case surgery for total hip and knee replacement. <i>EFORT Open Reviews</i> , 2018, 3, 130-135.	4.1	37
7	Synchrotron Imaging Assessment of Bone Quality. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2016, 14, 150-160.	0.8	36
8	Plastic Surgery Undergraduate Training. <i>Annals of Plastic Surgery</i> , 2015, 75, 208-212.	0.9	34
9	A published pharmacogenetic algorithm was poorly predictive of tacrolimus clearance in an independent cohort of renal transplant recipients. <i>British Journal of Clinical Pharmacology</i> , 2013, 76, 425-431.	2.4	32
10	Arthroscopic washout of the knee: A procedure in decline. <i>Knee</i> , 2014, 21, 631-634.	1.6	32
11	Measuring bone stiffness using spherical indentation. <i>PLoS ONE</i> , 2018, 13, e0200475.	2.5	28
12	Femoral fracture type can be predicted from femoral structure: A finite element study validated by digital volume correlation experiments. <i>Journal of Orthopaedic Research</i> , 2018, 36, 993-1001.	2.3	26
13	Microindentation – a tool for measuring cortical bone stiffness?. <i>Bone and Joint Research</i> , 2017, 6, 542-549.	3.6	25
14	Computed tomography porosity and spherical indentation for determining cortical bone millimetre-scale mechanical properties. <i>Scientific Reports</i> , 2019, 9, 7416.	3.3	22
15	Gender and disease severity determine proximal femoral morphology in developmental dysplasia of the hip. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1123-1132.	2.3	16
16	Patient and Public Involvement Within Orthopaedic Research. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, e51.	3.0	11
17	Young, male, road traffic victims: a systematic review of the published trauma registry literature from low and middle income countries. <i>Sicot-j</i> , 2015, 1, 10.	1.8	10
18	An in vitro model of impaction during hip arthroplasty. <i>Journal of Biomechanics</i> , 2019, 82, 220-227.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Nanoscale mechanisms in age-related hip-fractures. Scientific Reports, 2020, 10, 14208.	3.3	7
20	The loading patterns of a short femoral stem in total hip arthroplasty: gait analysis at increasing walking speeds and inclines. Journal of Orthopaedics and Traumatology, 2018, 19, 14.	2.3	6
21	Improving Undergraduate Orthopedic Surgery Skills and Knowledge in a One Day Course. Medical Science Educator, 2012, 22, 24-28.	1.5	3
22	Power-Tool Use in Orthopaedic Surgery. JBJS Open Access, 2021, 6, .	1.5	3
23	Short-term outcomes of total knee arthroplasty performed with and without a tourniquet. Sicot-j, 2021, 7, 15.	1.8	2
24	A single-use, size-specific, nylon arthroplasty guide: a preliminary study for hip resurfacing. HIP International, 2020, 30, 71-77.	1.7	0