

Desmond Y R Chong

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

179
citations

1478505

6
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

190
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of bone–prosthesis interface micromotion for cementless tibial prosthesis fixation and the influence of loading conditions. <i>Journal of Biomechanics</i> , 2010, 43, 1074-1080.	2.1	74
2	Finite element analysis of bone and implant stresses for customized 3D-printed orthopaedic implants in fracture fixation. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 921-931.	2.8	26
3	Biomechanical behaviour of temporomandibular joints during opening and closing of the mouth: A 3D finite element analysis. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3373.	2.1	24
4	Effects on loads in temporomandibular joints for patients with mandibular asymmetry before and after orthognathic surgeries under the unilateral molar clenching. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 533-541.	2.8	18
5	Effects of Custom-Made Insole Materials on Frictional Stress and Contact Pressure in Diabetic Foot with Neuropathy: Results from a Finite Element Analysis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3412.	2.5	11
6	Finite element analysis of bone–prosthesis interface micromotion for cementless talar component fixation through critical loading conditions. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3310.	2.1	7
7	Impact of mandibular prognathism on morphology and loadings in temporomandibular joints. <i>Biomedizinische Technik</i> , 2021, 66, 81-89.	0.8	5
8	Polka dot cementless talar component in enhancing total ankle replacement fixation: A parametric study using the finite element analysis approach. <i>Computers in Biology and Medicine</i> , 2022, 141, 105142.	7.0	5
9	Biomechanical analysis of proximal tibia bone grafting and the effect of the size of osteotomy using a validated finite element model. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 1823-1832.	2.8	3
10	Biomechanical analysis of the placement of fixation lag screw in different intertrochanteric hip fracture angles. <i>Biosurface and Biotribology</i> , 2019, 5, 52-56.	1.5	3
11	The relations between the stress in temporomandibular joints and the deviated distances for mandibular asymmetric patients. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2021, 235, 109-116.	1.8	3
12	Finite element analysis of tibio–femoral contact mechanics of a customised knee spacer. <i>Biosurface and Biotribology</i> , 0, , .	1.5	0