Desmond Y R Chong

List of Publications by Year
in descending order

12	179	1478505 6	1281871 11
papers	citations	h-index	g-index

12	12	12	190
all docs	docs citations	times ranked	citing authors

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