

Kaushik Mukherjee

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

188
citations

1039880

9
h-index

1372474

10
g-index

12
all docs

12
docs citations

12
times ranked

133
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone ingrowth around porous-coated acetabular implant: a three-dimensional finite element study using mechanoregulatory algorithm. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 389-403.	1.4	43
2	Bone remodelling around uncemented metallic and ceramic acetabular components. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013, 227, 490-502.	1.0	37
3	Design of porous titanium scaffold for complete mandibular reconstruction: The influence of pore architecture parameters. <i>Computers in Biology and Medicine</i> , 2019, 108, 31-41.	3.9	21
4	The effects of musculoskeletal loading regimes on numerical evaluations of acetabular component. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2016, 230, 918-929.	1.0	19
5	Mechanobiological simulations of peri-acetabular bone ingrowth: a comparative analysis of cell-phenotype specific and phenomenological algorithms. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 449-465.	1.6	16
6	Combined Bone Ingrowth and Remodeling Around Uncemented Acetabular Component: A Multiscale Mechanobiology-Based Finite Element Analysis. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	16
7	Influence of Implant Surface Texture Design on Peri-Acetabular Bone Ingrowth: A Mechanobiology Based Finite Element Analysis. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	11
8	A comparative assessment of two designs of hip stem using rule-based simulation of combined osseointegration and remodelling. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 118-128.	1.0	11
9	Simulation of tissue differentiation around acetabular cups: the effects of implant-bone relative displacement and polar gap. <i>Advances in Biomechanics and Applications</i> , 2014, 1, 95-109.	0.2	10
10	Load transfer across a mandible during a mastication cycle: The effects of odontogenic tumour. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 486-495.	1.0	4
11	BONE ADAPTATION AROUND A CEMENTED SHORT-STEM CERAMIC FEMORAL RESURFACING COMPONENT. <i>Journal of Biomechanics</i> , 2012, 45, S99.	0.9	0
12	A numerical study on bone adaptation around uncemented press-fit acetabular components. , 2016, , .		0