

# Kaushik Mukherjee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6362663/publications.pdf>

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