

Shashank Nawathe

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

310
citations

1307594

7
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural Failure Mechanisms in the Human Proximal Femur for Sideways Fall Loading. Journal of Bone and Mineral Research, 2014, 29, 507-515.	2.8	79
2	Cortical and trabecular load sharing in the human femoral neck. Journal of Biomechanics, 2015, 48, 816-822.	2.1	58
3	High-resolution peripheral quantitative computed tomography (HR-pQCT) can assess microstructural and biomechanical properties of both human distal radius and tibia: Ex vivo computational and experimental validations. Bone, 2016, 86, 58-67.	2.9	47
4	Vertebral fragility and structural redundancy. Journal of Bone and Mineral Research, 2012, 27, 2152-2158.	2.8	36
5	Micromechanics of the human vertebral body for forward flexion. Journal of Biomechanics, 2012, 45, 2142-2148.	2.1	32
6	Theoretical bounds for the influence of tissue-level ductility on the apparent-level strength of human trabecular bone. Journal of Biomechanics, 2013, 46, 1293-1299.	2.1	32
7	Theoretical effects of fully ductile versus fully brittle behaviors of bone tissue on the strength of the human proximal femur and vertebral body. Journal of Biomechanics, 2015, 48, 1264-1269.	2.1	16
8	Regional Variations of HR-pQCT Morphological and Biomechanical Measurements of Bone Segments and Their Associations With Whole Distal Radius and Tibia Mechanical Properties. Journal of Biomechanical Engineering, 2019, 141, .	1.3	5
9	Accurate and Efficient Plate and Rod Microfinite Element Models for Whole Bone Segments Based on High-Resolution Peripheral Computed Tomography. Journal of Biomechanical Engineering, 2019, 141, .	1.3	5
10	Effect of variations in tissue-level ductility on human vertebral strength. Bone, 2020, 137, 115445.	2.9	0