

# Ji Wang

## List of Publications by Year in descending order

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15  
papers

613  
citations

933447

10  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

910  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure Determines Apparent-Level Mechanics Despite Tissue-Level Anisotropy and Heterogeneity of Individual Plates and Rods in Normal Human Trabecular Bone. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1796-1807.	2.8	8
2	Regional Variations of HR-pQCT Morphological and Biomechanical Measurements of Bone Segments and Their Associations With Whole Distal Radius and Tibia Mechanical Properties. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	5
3	Accurate and Efficient Plate and Rod Microfinite Element Models for Whole Bone Segments Based on High-Resolution Peripheral Computed Tomography. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	5
4	Subchondral Trabecular Rod Loss and Plate Thickening in the Development of Osteoarthritis. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 316-327.	2.8	86
5	Sexual Dimorphism in Cortical and Trabecular Bone Microstructure Appears During Puberty in Chinese Children. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1948-1955.	2.8	9
6	Deterioration of trabecular plate-rod and cortical microarchitecture and reduced bone stiffness at distal radius and tibia in postmenopausal women with vertebral fractures. <i>Bone</i> , 2016, 88, 39-46.	2.9	45
7	In vivo precision of digital topological skeletonization based individual trabecula segmentation (ITS) analysis of trabecular microstructure at the distal radius and tibia by HR-pQCT. <i>Pattern Recognition Letters</i> , 2016, 76, 83-89.	4.2	8
8	Effect of Low Vitamin D on Volumetric Bone Mineral Density, Bone Microarchitecture, and Stiffness in Primary Hyperparathyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 905-913.	3.6	27
9	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. <i>Bone</i> , 2016, 86, 58-67.	2.9	47
10	Distinct Tissue Mineral Density in Plate- and Rod-like Trabeculae of Human Trabecular Bone. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1641-1650.	2.8	16
11	Trabecular plates and rods determine elastic modulus and yield strength of human trabecular bone. <i>Bone</i> , 2015, 72, 71-80.	2.9	92
12	Dependence of mechanical properties of trabecular bone on plate-rod microstructure determined by individual trabecula segmentation (ITS). <i>Journal of Biomechanics</i> , 2014, 47, 702-708.	2.1	56
13	Bone density, microarchitecture and stiffness in Caucasian and Caribbean Hispanic postmenopausal American women. <i>Bone Research</i> , 2014, 2, 14016.	11.4	16
14	Primary hyperparathyroidism is associated with abnormal cortical and trabecular microstructure and reduced bone stiffness in postmenopausal women. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 1029-1040.	2.8	174
15	Trabecular Plate Loss and Deteriorating Elastic Modulus of Femoral Trabecular Bone in Intertrochanteric Hip Fractures. <i>Bone Research</i> , 2013, 1, 346-354.	11.4	19