Bryce A Besler

List of Publications by Year
in descending order

14 papers	133 citations	1478505 6 h-index	1281871 11 g-index
14 all docs	14 docs citations	14 times ranked	163 citing authors

#	Article	IF	Citations
1	CT-based internal density calibration for opportunistic skeletal assessment using abdominal CT scans. Medical Engineering and Physics, 2020, 78, 55-63.	1.7	33
2	Longitudinal Effects of Acute Anterior Cruciate Ligament Tears on Peri‐Articular Bone in Human Knees Within the First Year of Injury. Journal of Orthopaedic Research, 2019, 37, 2325-2336.	2.3	31
3	Three-Dimensional Quantitative Morphometric Analysis (QMA) for In Situ Joint and Tissue Assessment of Osteoarthritis in a Preclinical Rabbit Disease Model. PLoS ONE, 2016, 11, e0147564.	2.5	15
4	p21$^{-/-}$ Mice Exhibit Spontaneous Articular Cartilage Regeneration Post-Injury. Cartilage, 2021, 13, 1608S-1617S.	2.7	11
5	Quantitative measures of bone shape, cartilage morphometry and joint alignment are associated with disease in an ACLT and MMx rat model of osteoarthritis. Bone, 2021, 146, 115903.	2.9	8
6	A quantitative assessment of dual energy computed tomography‐based material decomposition for imaging bone marrow edema associated with acute knee injury. Medical Physics, 2021, 48, 1792-1803.	3.0	7
7	Reproducibility of compartmental subchondral bone morphometry in the mouse tibiofemoral joint. Bone, 2015, 81, 649-653.	2.9	6
8	Bone and joint enhancement filtering: Application to proximal femur segmentation from uncalibrated computed tomography datasets. Medical Image Analysis, 2021, 67, 101887.	11.6	5
9	Proximal Tibia Bone Stiffness and Strength in HR-pQCT- and QCT-Based Finite Element Models. Annals of Biomedical Engineering, 2021, 49, 2389-2398.	2.5	5
10	Estimating bulk dielectric properties of biological tissues at microwave frequencies. , 2016, , .		4
11	The Assessment of Skeletal Muscle and Cortical Bone by Second-generation HR-pQCT at the Tibial Midshaft. Journal of Clinical Densitometry, 2021, 24, 465-473.	1.2	4
12	Automatic Full Femur Segmentation from Computed Tomography Datasets Using an Atlas-Based Approach. Lecture Notes in Computer Science, 2018, , 120-132.	1.3	2
13	Bone Adaptation as Level Set Motion. Lecture Notes in Computer Science, 2019, , 58-72.	1.3	1
14	An inverse technique to identify participant‐specific bone adaptation from serial CT measurements. International Journal for Numerical Methods in Biomedical Engineering, 2021, 37, e3515.	2.1	1