

Gianluca Iori

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

131
citations

1163117

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13
all docs

13
docs citations

13
times ranked

105
citing authors

#	ARTICLE	IF	CITATIONS
1	Ex vivo cortical porosity and thickness predictions at the tibia using full-spectrum ultrasonic guided-wave analysis. Archives of Osteoporosis, 2019, 14, 21.	2.4	24
2	Large cortical bone pores in the tibia are associated with proximal femur strength. PLoS ONE, 2019, 14, e0215405.	2.5	18
3	BMD-based assessment of local porosity in human femoral cortical bone. Bone, 2018, 114, 50-61.	2.9	17
4	Estimation of Cortical Bone Microstructure From Ultrasound Backscatter. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1081-1095.	3.0	15
5	Acoustic diffusion constant of cortical bone: Numerical simulation study of the effect of pore size and pore density on multiple scattering. Journal of the Acoustical Society of America, 2019, 146, 1015-1023.	1.1	12
6	Femur strength predictions by nonlinear homogenized voxel finite element models reflect the microarchitecture of the femoral neck. Medical Engineering and Physics, 2020, 79, 60-66.	1.7	12
7	Anisotropic elastic properties of human cortical bone tissue inferred from inverse homogenization and resonant ultrasound spectroscopy. Materialia, 2020, 11, 100730.	2.7	10
8	Cortical thinning and accumulation of large cortical pores in the tibia reflect local structural deterioration of the femoral neck. Bone, 2020, 137, 115446.	2.9	9
9	High-frequency cortical backscatter reveals cortical microstructure - A simulation study. , 2015, , .		5
10	Computational Study of the Effect of Cortical Porosity on Ultrasound Wave Propagation in Healthy and Osteoporotic Long Bones. Materials, 2016, 9, 205.	2.9	4
11	Imaging of cortical pores using ultrasound contrast agents: Phantom and ex vivo studies. , 2017, , .		0