

Thomas Lang

List of Publications by Year in descending order

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18
papers

2,941
citations

623734

14
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

3300
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive assessment of bone mineral and structure: State of the art. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 707-730.	2.8	786
2	Cortical and Trabecular Bone Mineral Loss From the Spine and Hip in Long-Duration Spaceflight. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1006-1012.	2.8	685
3	Validity of fan-beam dual-energy X-ray absorptiometry for measuring fat-free mass and leg muscle mass. <i>Journal of Applied Physiology</i> , 1999, 87, 1513-1520.	2.5	366
4	Computed tomographic measurements of thigh muscle cross-sectional area and attenuation coefficient predict hip fracture: The health, aging, and body composition study. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 513-519.	2.8	304
5	Measurement of fat mass using DEXA: a validation study in elderly adults. <i>Journal of Applied Physiology</i> , 2000, 89, 345-352.	2.5	194
6	Bone density, geometry, microstructure, and stiffness: Relationships between peripheral and central skeletal sites assessed by DXA, HR-pQCT, and cQCT in premenopausal women. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2229-2238.	2.8	145
7	Towards human exploration of space: the THESEUS review series on muscle and bone research priorities. <i>Npj Microgravity</i> , 2017, 3, 8.	3.7	106
8	Automated registration of hip and spine for longitudinal QCT studies: Integration with 3D densitometric and structural analysis. <i>Bone</i> , 2006, 38, 273-279.	2.9	60
9	Comparison of the effectiveness of 2 dual-energy X-ray absorptiometers with that of total body water and computed tomography in assessing changes in body composition during weight change. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 356-363.	4.7	56
10	QCT measures of bone strength at the thoracic and lumbar spine: The Framingham study. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 654-663.	2.8	50
11	3 How can we measure bone quality?. <i>Bailliere's Clinical Rheumatology</i> , 1997, 11, 495-515.	1.0	49
12	Low-Magnitude Mechanical Stimulation to Improve Bone Density in Persons of Advanced Age: A Randomized, Placebo-Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1319-1328.	2.8	48
13	Voxel-based modeling and quantification of the proximal femur using inter-subject registration of quantitative CT images. <i>Bone</i> , 2007, 41, 888-895.	2.9	37
14	Treatment with raloxifene for 2 years increases vertebral bone mineral density as measured by volumetric quantitative computed tomography. <i>Bone</i> , 2004, 35, 1164-1168.	2.9	25
15	Bone fracture risk estimation based on image similarity. <i>Bone</i> , 2009, 45, 560-567.	2.9	13
16	FSH Level and Changes in Bone Mass and Body Composition in Older Women and Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2876-2889.	3.6	9
17	Computed tomography-based skeletal muscle and adipose tissue attenuation: Variations by age, sex, and muscle. <i>Experimental Gerontology</i> , 2021, 149, 111306.	2.8	8
18	Accelerated decline in quadriceps area and Timed Up and Go test performance are associated with hip fracture risk in older adults with impaired kidney function. <i>Experimental Gerontology</i> , 2021, 149, 111314.	2.8	0