

# Simone Tassani

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,360  
citations

759233

12  
h-index

552781

26  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2263  
citing authors

#	ARTICLE	IF	CITATIONS
1	An estimation of the number of cells in the human body. <i>Annals of Human Biology</i> , 2013, 40, 463-471.	1.0	757
2	Micro-CT computed Tomography Study of Oval-shaped Canals Prepared with the Self-adjusting File, Reciproc, WaveOne, and ProTaper Universal Systems. <i>Journal of Endodontics</i> , 2013, 39, 1060-1066.	3.1	171
3	Mechanical testing of cancellous bone from the femoral head: Experimental errors due to off-axis measurements. <i>Journal of Biomechanics</i> , 2007, 40, 2426-2433.	2.1	100
4	Volume to density relation in adult human bone tissue. <i>Journal of Biomechanics</i> , 2011, 44, 103-108.	2.1	45
5	Anisotropy and inhomogeneity of the trabecular structure can describe the mechanical strength of osteoarthritic cancellous bone. <i>Journal of Biomechanics</i> , 2010, 43, 1160-1166.	2.1	43
6	Influence of segmentation on micro-CT images of trabecular bone. <i>Journal of Microscopy</i> , 2014, 256, 75-81.	1.8	31
7	The micro-structure of bone trabecular fracture: An inter-site study. <i>Bone</i> , 2014, 60, 78-86.	2.9	24
8	3D identification of trabecular bone fracture zone using an automatic image registration scheme: A validation study. <i>Journal of Biomechanics</i> , 2012, 45, 2035-2040.	2.1	22
9	In-Ear Accelerometer-Based Sensor for Gait Classification. <i>IEEE Sensors Journal</i> , 2020, 20, 12895-12902.	4.7	22
10	3D patient-specific finite element models of the proximal femur based on DXA towards the classification of fracture and non-fracture cases. <i>Bone</i> , 2019, 121, 89-99.	2.9	21
11	A New Ensemble Classification System For Fracture Zone Prediction Using Imbalanced Micro-CT Bone Morphometrical Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 1189-1196.	6.3	20
12	On local micro-architecture analysis of trabecular bone in three dimensions. <i>International Orthopaedics</i> , 2013, 37, 1645-1646.	1.9	14
13	An Independent Active Contours Segmentation framework for bone micro-CT images. <i>Computers in Biology and Medicine</i> , 2017, 87, 358-370.	7.0	12
14	Dependence of trabecular structure on bone quantity: A comparison between osteoarthritic and non-pathological bone. <i>Clinical Biomechanics</i> , 2011, 26, 632-639.	1.2	11
15	Muscular tension significantly affects stability in standing posture. <i>Gait and Posture</i> , 2019, 68, 220-226.	1.4	8
16	Round or rectangular tables for collaborative problem solving? A multimodal learning analytics study. <i>British Journal of Educational Technology</i> , 2020, 51, 1597-1614.	6.3	8
17	Quality control protocol for <i>in vitro</i> micro-CT computed tomography. <i>Journal of Microscopy</i> , 2010, 238, 162-172.	1.8	7
18	Effects of Visual and Auditory Feedback in Violin and Singing Voice Pitch Matching Tasks. <i>Frontiers in Psychology</i> , 2021, 12, 684693.	2.1	7

#	ARTICLE	IF	CITATIONS
19	A Machine Learning Approach to Violin Bow Technique Classification. , 2018, , .		6
20	A Fourier-based implicit evolution scheme for active surfaces, for object segmentation in volumetric images. Measurement Science and Technology, 2013, 24, 074021.	2.6	5
21	Personal Digital Assistant in an orthopaedic wireless ward: The HandHealth project. Computer Methods and Programs in Biomedicine, 2007, 86, 21-29.	4.7	4
22	Local analysis of trabecular bone fracture. , 2011, 2011, 7454-7.		4
23	Real-Time Sound and Motion Feedback for Violin Bow Technique Learning: A Controlled, Randomized Trial. Frontiers in Psychology, 2021, 12, 648479.	2.1	4
24	Motion Capture as an Instrument in Multimodal Collaborative Learning Analytics. Lecture Notes in Computer Science, 2019, , 604-608.	1.3	4
25	Trabecular Fracture Zone Might Not Be the Higher Strain Region of the Trabecular Framework. Frontiers in Materials, 2018, 5, .	2.4	3
26	Hermite Kernels for slice interpolation in medical images. , 2012, 2012, 4369-73.		2
27	DIFFERENCES IN TRABECULAR ANISOTROPY BETWEEN OSTEOARTHROTIC AND NORMAL BONE. Journal of Biomechanics, 2008, 41, S46.	2.1	1
28	VALIDATION OF A BONE MINERAL DENSITY CALIBRATION PROTOCOL FOR MICRO-COMPUTED TOMOGRAPHY. Journal of Mechanics in Medicine and Biology, 2017, 17, 1750015.	0.7	1
29	Active segmentation of micro-CT trabecular bone images. , 2011, , .		0
30	A Decision Support System for the Prediction of the Trabecular Fracture Zone. Lecture Notes in Computer Science, 2012, , 163-174.	1.3	0
31	A Fourier-based implicit evolution scheme for active surfaces, for object segmentation in volumetric images. , 2012, , .		0
32	Letter to the Editor: On osteocytes density in the human body. Bone, 2016, 93, 222.	2.9	0
33	AB0812â€¦PAIN CATASTROPHIZING SCORE AND GAIT, TOGETHER WITH WOMAC, ARE ALTERED IN KNEE OSTEOARTHROTIC PATIENTS UNDERGOING ARTHROPLASTY SURGERY, COMPARED WITH PATIENTS FOLLOWING CONSERVATIVE TREATMENT. PRELIMINARY RESULTS FROM HOLOA PROJECT. , 2019, , .		0
34	Central sensitization do not play a role in total knee replacement decision in osteoarthrotic patients. Osteoarthrotis and Cartilage, 2021, 29, S233-S235.	1.3	0
35	Osteoarthrotic cancellous bone seems to orientate its structure to compensate for tissue degeneration. IFMBE Proceedings, 2009, , 1389-1391.	0.3	0
36	ACCURACY TEST FOR IN-VITRO MICRO-COMPUTED TOMOGRAPHY. IFMBE Proceedings, 2009, , 410-413.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Progress in Biomedical Sciences and Raw Data: Ethical Dilemmas. , 2019, , 73-83.		0
38	Fragilidad relativa de fñ©mures osteoporñ³ticos evaluados con DXA y simulaciñ³n de cañdas con elementos finitos guiados por radiografñas de urgencias. Revista De Osteoporosis Y Metabolismo Mineral, 2020, 12, 62-70.	0.3	0