

Stephen H Schlecht

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

505
citations

567144

15
h-index

713332

21
g-index

29
all docs

29
docs citations

29
times ranked

671
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative comparison of the microscopic anatomy of the human ACL femoral and tibial entheses. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1811-1817.	1.2	49
2	An Anterior Cruciate Ligament Failure Mechanism. <i>American Journal of Sports Medicine</i> , 2019, 47, 2067-2076.	1.9	41
3	On the heterogeneity of the femoral enthesis of the human ACL: microscopic anatomy and clinical implications. <i>Journal of Experimental Orthopaedics</i> , 2016, 3, 14.	0.8	40
4	The relationship between whole bone stiffness and strength is age and sex dependent. <i>Journal of Biomechanics</i> , 2019, 83, 125-133.	0.9	39
5	The use of nano-computed tomography to enhance musculoskeletal research. <i>Connective Tissue Research</i> , 2015, 56, 106-119.	1.1	37
6	Brief communication: The effects of disuse on the mechanical properties of bone: What unloading tells us about the adaptive nature of skeletal tissue. <i>American Journal of Physical Anthropology</i> , 2012, 149, 599-605.	2.1	35
7	Functional integration of skeletal traits: An intraskeletal assessment of bone size, mineralization, and volume covariance. <i>Bone</i> , 2013, 56, 127-138.	1.4	35
8	How Does Bone Strength Compare Across Sex, Site, and Ethnicity?. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2540-2547.	0.7	30
9	Mapping the natural variation in whole bone stiffness and strength across skeletal sites. <i>Bone</i> , 2014, 67, 15-22.	1.4	26
10	Women Build Long Bones With Less Cortical Mass Relative to Body Size and Bone Size Compared With Men. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2530-2539.	0.7	25
11	Rib Geometry Explains Variation in Dynamic Structural Response: Potential Implications for Frontal Impact Fracture Risk. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2159-2173.	1.3	23
12	External Bone Size Is a Key Determinant of Strength-Decline Trajectories of Aging Male Radii. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 825-837.	3.1	22
13	Femoral Neck External Size but not aBMD Predicts Structural and Mass Changes for Women Transitioning Through Menopause. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1218-1228.	3.1	21
14	The biorhythm of human skeletal growth. <i>Journal of Anatomy</i> , 2018, 232, 26-38.	0.9	20
15	Biorhythms, deciduous enamel thickness, and primary bone growth: a test of the Haversâ€Halberg Oscillation hypothesis. <i>Journal of Anatomy</i> , 2016, 228, 919-928.	0.9	18
16	Morphology of Mouse Anterior Cruciate Ligamentâ€Complex Changes Following Exercise During Pubertal Growth. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1910-1919.	1.2	9
17	Canalization Leads to Similar Whole Bone Mechanical Function at Maturity in Two Inbred Strains of Mice. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1002-1013.	3.1	8
18	In vivo quantitative imaging biomarkers of bone quality and mineral density using multi-band-SWIFT magnetic resonance imaging. <i>Bone</i> , 2021, 143, 115615.	1.4	6

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19	A xenograft model to evaluate the bone forming effects of sclerostin antibody in human bone derived from pediatric osteogenesis imperfecta patients. <i>Bone</i> , 2020, 130, 115118.	1.4	5
20	Are we taking full advantage of the growing number of pharmacological treatment options for osteoporosis?. <i>Current Opinion in Pharmacology</i> , 2014, 16, 64-71.	1.7	4
21	Moving toward a prevention strategy for osteoporosis by giving a voice to a silent disease. <i>Women's Midlife Health</i> , 2016, 2, .	0.5	4
22	Differential Adaptive Response of Growing Bones From Two Female Inbred Mouse Strains to Voluntary Cage-Wheel Running. <i>JBMR Plus</i> , 2018, 2, 143-153.	1.3	4
23	Differential changes in bone strength of two inbred mouse strains following administration of a sclerostin-neutralizing antibody during growth. <i>PLoS ONE</i> , 2019, 14, e0214520.	1.1	1
24	Gene Expression Profile and Acute Gene Expression Response to Sclerostin Inhibition in Osteogenesis Imperfecta Bone. <i>JBMR Plus</i> , 2020, 4, e10377.	1.3	1
25	State of the mineralized tissue comprising the femoral ACL enthesis in young women with an ACL failure. <i>Journal of Orthopaedic Research</i> , 2022, 40, 826-837.	1.2	1
26	Endurance running during late murine adolescence results in a stronger anterior cruciate ligament and flatter posterior tibial slopes compared to controls. <i>Journal of Experimental Orthopaedics</i> , 2022, 9, 3.	0.8	0
27	Sex and External Size Specific Limitations in Assessing Bone Health From Adult Hand Radiographs. <i>JBMR Plus</i> , 2022, 6, .	1.3	0
28	Region-specific associations among tissue-level mechanical properties, porosity, and composition in human male femora. <i>Journal of Biomechanics</i> , 2022, 139, 111144.	0.9	0