

# Marjolein Christine Hermance van der Meulen

## List of Publications by Citations

**Source:**

<https://exaly.com/author-pdf/783809/marjolein-christine-hermance-van-der-meulen-publications-by-citations.pdf>

**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140 papers	7,869 citations	45 h-index	87 g-index
148 ext. papers	8,809 ext. citations	4 avg, IF	5.75 L-index

#	Paper	IF	Citations
140	Atypical subtrochanteric and diaphyseal femoral fractures: second report of a task force of the American Society for Bone and Mineral Research. <i>Journal of Bone and Mineral Research</i> , <b>2014</b> , 29, 1-23	6.3	935
139	Atypical subtrochanteric and diaphyseal femoral fractures: report of a task force of the American Society for Bone and Mineral Research. <i>Journal of Bone and Mineral Research</i> , <b>2010</b> , 25, 2267-94	6.3	840
138	Association of low-energy femoral fractures with prolonged bisphosphonate use: a case control study. <i>Osteoporosis International</i> , <b>2009</b> , 20, 1353-62	5.3	291
137	Understanding bone strength: size isn't everything. <i>Bone</i> , <b>2001</b> , 29, 101-4	4.7	211
136	A mathematical framework to study the effects of growth factor influences on fracture healing. <i>Journal of Theoretical Biology</i> , <b>2001</b> , 212, 191-209	2.3	191
135	Mesenchymal stem cells and insulin-like growth factor-I gene-enhanced mesenchymal stem cells improve structural aspects of healing in equine flexor digitorum superficialis tendons. <i>Journal of Orthopaedic Research</i> , <b>2009</b> , 27, 1392-8	3.8	189
134	Loading induces site-specific increases in mineral content assessed by microcomputed tomography of the mouse tibia. <i>Bone</i> , <b>2005</b> , 36, 1030-8	4.7	186
133	Mechanical factors in bone growth and development. <i>Bone</i> , <b>1996</b> , 18, 5S-10S	4.7	176
132	Why mechanobiology? A survey article. <i>Journal of Biomechanics</i> , <b>2002</b> , 35, 401-14	2.9	175
131	Insulin-like growth factor-I improves cellular and molecular aspects of healing in a collagenase-induced model of flexor tendinitis. <i>Journal of Orthopaedic Research</i> , <b>2002</b> , 20, 910-9	3.8	172
130	Mechanobiologic influences in long bone cross-sectional growth. <i>Bone</i> , <b>1993</b> , 14, 635-42	4.7	156
129	Establishing biomechanical mechanisms in mouse models: practical guidelines for systematically evaluating phenotypic changes in the diaphyses of long bones. <i>Journal of Bone and Mineral Research</i> , <b>2015</b> , 30, 951-66	6.3	154
128	Effects of surface roughness and maximum load on the mechanical properties of cancellous bone measured by nanoindentation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 77, 426-35	5.4	134
127	Beneficial effects of moderate, early loading and adverse effects of delayed or excessive loading on bone healing. <i>Journal of Biomechanics</i> , <b>2003</b> , 36, 1069-77	2.9	123
126	In vivo cyclic compression causes cartilage degeneration and subchondral bone changes in mouse tibiae. <i>Arthritis and Rheumatism</i> , <b>2013</b> , 65, 1569-78		119
125	Contribution of mineral to bone structural behavior and tissue mechanical properties. <i>Calcified Tissue International</i> , <b>2010</b> , 87, 450-60	3.9	104
124	In vivo cyclic axial compression affects bone healing in the mouse tibia. <i>Journal of Orthopaedic Research</i> , <b>2006</b> , 24, 1679-86	3.8	99

123	Biomechanical comparison of posterior internal fixation techniques for unstable pelvic fractures. <i>Journal of Orthopaedic Trauma</i> , <b>1996</b> , 10, 517-22	3.1	98
122	Spatial variation in osteonal bone properties relative to tissue and animal age. <i>Journal of Bone and Mineral Research</i> , <b>2009</b> , 24, 1271-81	6.3	96
121	Tibial compression is anabolic in the adult mouse skeleton despite reduced responsiveness with aging. <i>Bone</i> , <b>2011</b> , 49, 439-46	4.7	93
120	Effects of tissue age on bone tissue material composition and nanomechanical properties in the rat cortex. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 1048-56	5.4	93
119	Age-related differences in cross-sectional geometry of the forearm bones in healthy women. <i>Calcified Tissue International</i> , <b>1994</b> , 54, 113-8	3.9	90
118	Whole bone mechanics and bone quality. <i>Clinical Orthopaedics and Related Research</i> , <b>2011</b> , 469, 2139-49	2.2	89
117	Finite element models predict cancellous apparent modulus when tissue modulus is scaled from specimen CT-attenuation. <i>Journal of Biomechanics</i> , <b>2004</b> , 37, 613-21	2.9	88
116	Body mass is the primary determinant of midfemoral bone acquisition during adolescent growth. <i>Bone</i> , <b>1996</b> , 19, 519-26	4.7	86
115	Determinants of femoral geometry and structure during adolescent growth. <i>Journal of Orthopaedic Research</i> , <b>1996</b> , 14, 22-9	3.8	81
114	Female mice lacking estrogen receptor-alpha in osteoblasts have compromised bone mass and strength. <i>Journal of Bone and Mineral Research</i> , <b>2014</b> , 29, 370-9	6.3	80
113	Mechanical load increases in bone formation via a sclerostin-independent pathway. <i>Journal of Bone and Mineral Research</i> , <b>2014</b> , 29, 2456-67	6.3	79
112	Inhibition of osteoclastogenesis and inflammatory bone resorption by targeting BET proteins and epigenetic regulation. <i>Nature Communications</i> , <b>2014</b> , 5, 5418	17.4	78
111	Effects of voluntary exercise on bone mineral content in rats. <i>Journal of Bone and Mineral Research</i> , <b>1991</b> , 6, 289-96	6.3	76
110	Alterations to the Gut Microbiome Impair Bone Strength and Tissue Material Properties. <i>Journal of Bone and Mineral Research</i> , <b>2017</b> , 32, 1343-1353	6.3	74
109	Cancellous bone adaptation to tibial compression is not sex dependent in growing mice. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 685-91	3.7	74
108	Non-invasive mouse models of post-traumatic osteoarthritis. <i>Osteoarthritis and Cartilage</i> , <b>2015</b> , 23, 1627-38	6.3	70
107	Nanoscale X-ray microscopic imaging of mammalian mineralized tissue. <i>Microscopy and Microanalysis</i> , <b>2010</b> , 16, 327-36	0.5	70
106	DSPP effects on in vivo bone mineralization. <i>Bone</i> , <b>2008</b> , 43, 983-90	4.7	67

105	Cancellous bone adaptation to in vivo loading in a rabbit model. <i>Bone</i> , <b>2006</b> , 38, 871-7	4.7	66
104	In vivo tibial compression decreases osteolysis and tumor formation in a human metastatic breast cancer model. <i>Journal of Bone and Mineral Research</i> , <b>2013</b> , 28, 2357-67	6.3	64
103	Genetic variation in structure-function relationships for the inbred mouse lumbar vertebral body. <i>Journal of Bone and Mineral Research</i> , <b>2005</b> , 20, 817-27	6.3	64
102	Microstructure and nanomechanical properties in osteons relate to tissue and animal age. <i>Journal of Biomechanics</i> , <b>2011</b> , 44, 277-84	2.9	58
101	MYC-dependent oxidative metabolism regulates osteoclastogenesis via nuclear receptor ERR $\alpha$ . <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 2555-2568	15.9	56
100	Stability of open-book pelvic fractures using a new biomechanical model of single-limb stance. <i>Journal of Orthopaedic Trauma</i> , <b>1997</b> , 11, 590-3	3.1	54
99	Improved method for analysis of whole bone torsion tests. <i>Journal of Bone and Mineral Research</i> , <b>1994</b> , 9, 1459-65	6.3	53
98	Understanding Bone Strength Is Not Enough. <i>Journal of Bone and Mineral Research</i> , <b>2017</b> , 32, 1157-1162	6.3	47
97	Bone mass is preserved and cancellous architecture altered due to cyclic loading of the mouse tibia after orchidectomy. <i>Journal of Bone and Mineral Research</i> , <b>2008</b> , 23, 663-71	6.3	47
96	Developmental mechanics determine long bone allometry. <i>Journal of Theoretical Biology</i> , <b>1995</b> , 172, 323-7	2.3	47
95	Rabbit knee immobilization: bone remodeling precedes cartilage degradation. <i>Journal of Orthopaedic Research</i> , <b>1992</b> , 10, 88-95	3.8	45
94	Variations in nanomechanical properties and tissue composition within trabeculae from an ovine model of osteoporosis and treatment. <i>Bone</i> , <b>2013</b> , 52, 326-36	4.7	44
93	Transcriptional profiling of cortical versus cancellous bone from mechanically-loaded murine tibiae reveals differential gene expression. <i>Bone</i> , <b>2016</b> , 86, 22-9	4.7	43
92	The effect of lead on bone mineral properties from female adult C57/BL6 mice. <i>Bone</i> , <b>2010</b> , 47, 888-94	4.7	43
91	In vivo tibial stiffness is maintained by whole bone morphology and cross-sectional geometry in growing female mice. <i>Journal of Biomechanics</i> , <b>2010</b> , 43, 2689-94	2.9	43
90	The effects of metabolic syndrome, obesity, and the gut microbiome on load-induced osteoarthritis. <i>Osteoarthritis and Cartilage</i> , <b>2019</b> , 27, 129-139	6.2	43
89	A method for isolating high quality RNA from mouse cortical and cancellous bone. <i>Bone</i> , <b>2014</b> , 68, 1-5	4.7	42
88	Quasistatic and dynamic nanomechanical properties of cancellous bone tissue relate to collagen content and organization. <i>Journal of Materials Research</i> , <b>2006</b> , 21, 2106-2117	2.5	42

87	Role for beta1 integrins in cortical osteocytes during acute musculoskeletal disuse. <i>Matrix Biology</i> , <b>2008</b> , 27, 609-18	11.4	41
86	MicroCT morphometry analysis of mouse cancellous bone: intra- and inter-system reproducibility. <i>Bone</i> , <b>2011</b> , 49, 580-7	4.7	40
85	Hindlimb suspension diminishes femoral cross-sectional growth in the rat. <i>Journal of Orthopaedic Research</i> , <b>1995</b> , 13, 700-7	3.8	39
84	Effects of Deletion of ER $\alpha$ in Osteoblast-Lineage Cells on Bone Mass and Adaptation to Mechanical Loading Differ in Female and Male Mice. <i>Journal of Bone and Mineral Research</i> , <b>2015</b> , 30, 1468-80	6.3	38
83	A High Resolution, Hard X-ray Bio-imaging Facility at SSRL. <i>Synchrotron Radiation News</i> , <b>2008</b> , 21, 17-26	0.6	37
82	The effect of systemically administered rhIGF-I/IGFBP-3 complex on cortical bone strength and structure in ovariectomized rats. <i>Bone</i> , <b>1995</b> , 16, 559-65	4.7	37
81	A rare case of a bisphosphonate-induced peri-prosthetic femoral fracture. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>2012</b> , 94, 994-7		36
80	Role of parathyroid hormone in the mechanosensitivity of fracture healing. <i>Journal of Orthopaedic Research</i> , <b>2007</b> , 25, 1474-80	3.8	35
79	Factors influencing changes in articular cartilage following hemiarthroplasty in sheep. <i>Journal of Orthopaedic Research</i> , <b>2002</b> , 20, 669-75	3.8	35
78	The effects of loading on cancellous bone in the rabbit. <i>Clinical Orthopaedics and Related Research</i> , <b>2009</b> , 467, 2000-6	2.2	34
77	Mechanical and geometric changes in the growing femora of BMP-5 deficient mice. <i>Bone</i> , <b>1996</b> , 18, 601-7	4.7	34
76	Load-induced changes in bone stiffness and cancellous and cortical bone mass following tibial compression diminish with age in female mice. <i>Journal of Experimental Biology</i> , <b>2014</b> , 217, 1775-83	3	33
75	Reduced tissue-level stiffness and mineralization in osteoporotic cancellous bone. <i>Calcified Tissue International</i> , <b>2014</b> , 95, 125-31	3.9	33
74	Atypical subtrochanteric femoral shaft fractures: role for mechanics and bone quality. <i>Arthritis Research and Therapy</i> , <b>2012</b> , 14, 220	5.7	32
73	Cancellous bone osseointegration is enhanced by in vivo loading. <i>Tissue Engineering - Part C: Methods</i> , <b>2010</b> , 16, 1399-406	2.9	32
72	Fan-beam densitometry of the growing skeleton: are we measuring what we think we are?. <i>Journal of Clinical Densitometry</i> , <b>2005</b> , 8, 57-64	3.5	32
71	Role of subchondral bone properties and changes in development of load-induced osteoarthritis in mice. <i>Osteoarthritis and Cartilage</i> , <b>2017</b> , 25, 2108-2118	6.2	31
70	Effects of disrupted beta1-integrin function on the skeletal response to short-term hindlimb unloading in mice. <i>Journal of Applied Physiology</i> , <b>2005</b> , 98, 690-6	3.7	30

69	BMP-5 deficiency alters chondrocytic activity in the mouse proximal tibial growth plate. <i>Bone</i> , <b>1999</b> , 24, 211-6	4.7	30
68	Skeletal phenotype of growing transgenic mice that express a function-perturbing form of beta1 integrin in osteoblasts. <i>Calcified Tissue International</i> , <b>2005</b> , 76, 39-49	3.9	29
67	Progressive cell-mediated changes in articular cartilage and bone in mice are initiated by a single session of controlled cyclic compressive loading. <i>Journal of Orthopaedic Research</i> , <b>2016</b> , 34, 1941-1949	3.8	26
66	Murine Axial Compression Tibial Loading Model to Study Bone Mechanobiology: Implementing the Model and Reporting Results. <i>Journal of Orthopaedic Research</i> , <b>2020</b> , 38, 233-252	3.8	24
65	Intermittent Parathyroid Hormone Enhances Cancellous Osseointegration of a Novel Murine Tibial Implant. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2015</b> , 97, 1074-83	5.6	23
64	Mouse models to evaluate the role of estrogen receptor $\alpha$ in skeletal maintenance and adaptation. <i>Annals of the New York Academy of Sciences</i> , <b>2017</b> , 1410, 85-92	6.5	23
63	The Effect of Osteoporosis Treatments on Fatigue Properties of Cortical Bone Tissue. <i>Bone Reports</i> , <b>2015</b> , 2, 8-13	2.6	20
62	Dynamic structure and composition of bone investigated by nanoscale infrared spectroscopy. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202833	3.7	19
61	Intermittent PTH administration and mechanical loading are anabolic for periprosthetic cancellous bone. <i>Journal of Orthopaedic Research</i> , <b>2015</b> , 33, 163-73	3.8	18
60	The effects of PTH, loading and surgical insult on cancellous bone at the bone-implant interface in the rabbit. <i>Bone</i> , <b>2013</b> , 52, 718-24	4.7	18
59	Pause insertions during cyclic in vivo loading affect bone healing. <i>Clinical Orthopaedics and Related Research</i> , <b>2008</b> , 466, 1232-8	2.2	18
58	In vivo axial loading of the mouse tibia. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1226, 99-115	1.4	18
57	Full-field transmission x-ray microscopy for bio-imaging. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 186, 12081	0.3	15
56	DXA-derived section modulus and bone mineral content predict long-bone torsional strength. <i>Acta Orthopaedica</i> , <b>1999</b> , 70, 71-6		15
55	Transient overexpression of sonic hedgehog alters the architecture and mechanical properties of trabecular bone. <i>Journal of Bone and Mineral Research</i> , <b>2009</b> , 24, 1598-607	6.3	14
54	Nanoscale examination of microdamage in sheep cortical bone using synchrotron radiation transmission x-ray microscopy. <i>PLoS ONE</i> , <b>2013</b> , 8, e57942	3.7	14
53	Osteoarthritis: Pathology, Mouse Models, and Nanoparticle Injectable Systems for Targeted Treatment. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 2062-75	4.7	14
52	Osteocalcin affects bone mineral and mechanical properties in female mice. <i>Bone</i> , <b>2019</b> , 128, 115031	4.7	13

51	Assessing the stiffness of spinal fusion in animal models. <i>HSS Journal</i> , <b>2006</b> , 2, 12-8	2	13
50	Injectable mechanical pillows for attenuation of load-induced post-traumatic osteoarthritis. <i>International Journal of Energy Production and Management</i> , <b>2019</b> , 6, 211-219	5.3	12
49	Method for calculating G, GI, and GII to simulate crack growth in 2D, multiple-material structures. <i>Engineering Fracture Mechanics</i> , <b>2015</b> , 140, 106-126	4.2	12
48	The aging spine: new technologies and therapeutics for the osteoporotic spine. <i>European Spine Journal</i> , <b>2003</b> , 12 Suppl 2, S147-54	2.7	12
47	Improved prediction of rat cortical bone mechanical behavior using composite beam theory to integrate tissue level properties. <i>Journal of Biomechanics</i> , <b>2012</b> , 45, 2784-90	2.9	11
46	Kinematics of meniscal- and ACL-transected mouse knees during controlled tibial compressive loading captured using roentgen stereophotogrammetry. <i>Journal of Orthopaedic Research</i> , <b>2017</b> , 35, 353-360	3.8	9
45	An in vivo model of a mechanically-induced bone marrow lesion. <i>Journal of Biomechanics</i> , <b>2017</b> , 64, 258-264	2.6	9
44	Low-level cyclic tibial compression attenuates early osteoarthritis progression after joint injury in mice. <i>Osteoarthritis and Cartilage</i> , <b>2019</b> , 27, 1526-1536	6.2	9
43	Collagen XI mutation lowers susceptibility to load-induced cartilage damage in mice. <i>Journal of Orthopaedic Research</i> , <b>2018</b> , 36, 711-720	3.8	9
42	Tissue-level remodeling simulations of cancellous bone capture effects of in vivo loading in a rabbit model. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 875-82	2.9	9
41	Correcting fan-beam magnification in clinical densitometry scans of growing subjects. <i>Journal of Clinical Densitometry</i> , <b>2009</b> , 12, 322-9	3.5	9
40	Mechanobiology of femoral neck structure during adolescence. <i>Journal of Rehabilitation Research and Development</i> , <b>2000</b> , 37, 201-8		9
39	Effect of ulnar ostectomy on intra-articular pressure mapping and contact mechanics of the congruent and incongruent canine elbow ex vivo. <i>Veterinary Surgery</i> , <b>2014</b> , 43, 339-46	1.7	8
38	Trabecular bone adaptation to loading in a rabbit model is not magnitude-dependent. <i>Journal of Orthopaedic Research</i> , <b>2013</b> , 31, 930-4	3.8	8
37	In vivo and in vitro analysis of rat lumbar spine mechanics. <i>Clinical Orthopaedics and Related Research</i> , <b>2010</b> , 468, 2695-703	2.2	8
36	Correspondence between theoretical models and dual energy x-ray absorptiometry measurements of femoral cross-sectional growth during adolescence. <i>Journal of Orthopaedic Research</i> , <b>1997</b> , 15, 473-6	3.8	8
35	Knockouts of Se-glutathione peroxidase-1 and Cu,Zn superoxide dismutase exert different impacts on femoral mechanical performance of growing mice. <i>Molecular Nutrition and Food Research</i> , <b>2008</b> , 52, 1334-9	5.9	8
34	Mechanics in skeletal development, adaptation and disease. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2000</b> , 358, 565-578	3	8



33	Simulation of the behaviour of the L1 vertebra for different material properties and loading conditions. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2013</b> , 16, 736-46	2.1	7
32	Spatial periodicity in growth plate shear mechanical properties is disrupted by vitamin D deficiency. <i>Journal of Biomechanics</i> , <b>2013</b> , 46, 1597-603	2.9	7
31	Effect of the Proximal Abducting Ulnar Osteotomy on Intra-Articular Pressure Distribution and Contact Mechanics of Congruent and Incongruent Canine Elbows Ex Vivo. <i>Veterinary Surgery</i> , <b>2016</b> , 45, 347-55	1.7	7
30	Hard X-ray Full Field Nano-imaging of Bone and Nanowires at SSRL. <i>AIP Conference Proceedings</i> , <b>2010</b> , 1234, 79-82	0	6
29	Ceramic composite with gentamicin decreases persistent infection and increases bone formation in a rat model of debrided osteomyelitis. <i>Journal of Bone and Joint Infection</i> , <b>2021</b> , 6, 283-293	2.7	5
28	Mechanobiological Mechanisms of Load-Induced Osteoarthritis in the Mouse Knee. <i>Journal of Biomechanical Engineering</i> , <b>2019</b> , 141,	2.1	4
27	Increased Bone Accrual in Premenarcheal Gymnasts: A Longitudinal Study. <i>Pediatric Exercise Science</i> , <b>2005</b> , 17, 149-160	2	4
26	Mechanical Determinants of Peak Bone Mass <b>1999</b> , 105-114		3
25	Early inhibition of subchondral bone remodeling slows load-induced posttraumatic osteoarthritis development in mice. <i>Journal of Bone and Mineral Research</i> , <b>2021</b> , 36, 2027-2038	6.3	3
24	Knee fibrosis is associated with the development of osteoarthritis in a murine model of tibial compression. <i>Journal of Orthopaedic Research</i> , <b>2021</b> , 39, 1030-1040	3.8	3
23	Low bone mass resulting from impaired estrogen signaling in bone increases severity of load-induced osteoarthritis in female mice. <i>Bone</i> , <b>2021</b> , 152, 116071	4.7	3
22	A High Resolution Full Field Transmission X-ray Microscope at SSRL. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	2
21	Quasi-static and Dynamic Nanoindentation Testing of Lamellar and Inter-lamellar Trabecular Bone. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 778, 3141		2
20	Effects of Surface Roughness and Maximum Load on the Mechanical Properties of Cancellous Bone Measured by Nanoindentation. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 823, W8.5.1		2
19	Skeletal Development <b>2001</b> , 471-488		2
18	Biomechanics of Bone <b>2010</b> , 157-179		2
17	Increased anabolic bone response in Dkk1 KO mice following tibial compressive loading. <i>Bone</i> , <b>2020</b> , 131, 115054	4.7	2
16	Articular Cartilage Tidemark in the Murine Knee Advances with Mechanical Loading <b>2013</b> ,		1



15	Progress in understanding disuse osteopenia. <i>Current Opinion in Orthopaedics</i> , <b>2005</b> , 16, 325-330		1
14	Bone mass and adaptation to mechanical loading are sexually dimorphic in adult osteoblast-specific ER $\alpha$ knockout mice.. <i>Bone</i> , <b>2022</b> , 116349	4.7	1
13	T cells Mediate Progression of Load-Induced Osteoarthritis		1
12	Factors Contributing to Atypical Femoral Fractures <b>2016</b> , 125-136		1
11	Biomechanics of Bone. <i>Contemporary Endocrinology</i> , <b>2020</b> , 185-209	0.3	1
10	Potential influences on optimizing long-term musculoskeletal health in children and adolescents with X-linked hypophosphatemia (XLH).. <i>Orphanet Journal of Rare Diseases</i> , <b>2022</b> , 17, 30	4.2	0
9	Obesity and load-induced posttraumatic osteoarthritis in the absence of fracture or surgical trauma. <i>Journal of Orthopaedic Research</i> , <b>2021</b> , 39, 1007-1016	3.8	0
8	Adaptation of skeletal structure to mechanical loading <b>2021</b> , 337-356		0
7	Adaptation of Skeletal Structure to Mechanical Loading <b>2013</b> , 477-495		
6	Adele Ludin Boskey, PhD. <i>Journal of Bone and Mineral Research</i> , <b>2017</b> , 32, 1597-1598	6.3	
5	Skeletal Mechanoresponsiveness: Effects of Sex Hormones. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , <b>2012</b> , 217-234	0.5	
4	Collagen Content and Organization Relate to Bone Nanomechanical Properties. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 874, 1		
3	Impacts of GPX4 Haploid Insufficiency on Murine Bone Biomechanical Properties. <i>FASEB Journal</i> , <b>2006</b> , 20, A1068	0.9	
2	Skeletal Development: Mechanical Consequences of Growth, Aging, and Disease <b>2008</b> , 563-580		
1	Systemic osteoprotegerin does not improve peri-implant bone volume or osseointegration in rabbits. <i>Journal of Orthopaedic Research</i> , <b>2021</b> , 39, 1611-1621	3.8	