

Mary L Bouxsein

List of Publications by Year in descending order

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Version: 2024-02-01

288
papers

25,679
citations

8755

75
h-index

7348

152
g-index

301
all docs

301
docs citations

301
times ranked

20756
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact loading in female runners with single and multiple bone stress injuries during fresh and exerted conditions. <i>Journal of Sport and Health Science</i> , 2023, 12, 406-413.	6.5	1
2	Longitudinal Changes in Serum Markers of Bone Metabolism and Bone Material Strength in Premenopausal Women with Distal Radial Fracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 15-23.	3.0	1
3	AGN1 implant material to treat bone loss: Resorbable implant forms normal bone with and without alendronate in a canine critical size humeral defect model. <i>Bone</i> , 2022, 154, 116246.	2.9	5
4	Once daily calcium (1000Âmg) and vitamin D (1000ÂIU) supplementation during military training prevents increases in biochemical markers of bone resorption but does not affect tibial microarchitecture in Army recruits. <i>Bone</i> , 2022, 155, 116269.	2.9	6
5	Metatarsal Bone Marrow Edema on Magnetic Resonance Imaging and Its Correlation to Bone Stress Injuries in Male Collegiate Basketball Players. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712110635.	1.7	3
6	Insulin-like growth factor binding protein 2 null mice (Igfbp2 ^{-/-}) are protected against trabecular bone loss after vertical sleeve gastrectomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, , .	2.4	0
7	Actions of Parathyroid Hormone Ligand Analogs in Humanized PTH1R Knock-In Mice. <i>Endocrinology</i> , 2022, , .	2.8	3
8	Restrictive Eating and Prior Low-Energy Fractures Are Associated With History of Multiple Bone Stress Injuries. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2022, 32, 325-333.	2.1	3
9	Bone stress injuries. <i>Nature Reviews Disease Primers</i> , 2022, 8, 26.	30.5	48
10	Changes in Sex Steroids and Enteric Peptides After Sleeve Gastrectomy in Youth in Relation to Changes in Bone Parameters. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3747-e3758.	3.6	5
11	Serum 25-Hydroxyvitamin D is Associated With Bone Microarchitecture and Strength in a Multiracial Cohort of Young Adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3679-e3688.	3.6	3
12	Bone density and strength from thoracic and lumbar CT scans both predict incident vertebral fractures independently of fracture location. <i>Osteoporosis International</i> , 2021, 32, 261-269.	3.1	28
13	Changes in Volumetric Bone Mineral Density Over 12 Months After a Tibial Bone Stress Injury Diagnosis: Implications for Return to Sports and Military Duty. <i>American Journal of Sports Medicine</i> , 2021, 49, 226-235.	4.2	24
14	The Effects of Ivacaftor on Bone Density and Microarchitecture in Children and Adults with Cystic Fibrosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e1248-e1261.	3.6	16
15	Abaloparatide treatment increases bone formation, bone density and bone strength without increasing bone resorption in a rat model of hindlimb unloading. <i>Bone</i> , 2021, 144, 115801.	2.9	8
16	The nature of osteoporosis. , 2021, , 3-13.		0
17	Inhibition of longevity regulator PAPPâ€A modulates tissue homeostasis via restraint of mesenchymal stromal cells. <i>Aging Cell</i> , 2021, 20, e13313.	6.7	6
18	Effect of Transdermal Estradiol and Insulin-like Growth Factor-1 on Bone Endpoints of Young Women With Anorexia Nervosa. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2021-2035.	3.6	13

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19	Higher Hand Grip Strength Is Associated With Greater Radius Bone Size and Strength in Older Men and Women: The Framingham Osteoporosis Study. <i>JBMR Plus</i> , 2021, 5, e10485.	2.7	7
20	Rocket science: what spaceflight can tell us about skeletal health on Earth. <i>British Journal of Sports Medicine</i> , 2021, 55, bjsports-2021-104164.	6.7	0
21	<i>miR-15a/16-1</i> deletion in activated B cells promotes plasma cell and mature B-cell neoplasms. <i>Blood</i> , 2021, 137, 1905-1919.	1.4	8
22	Sustained Morphine Delivery Suppresses Bone Formation and Alters Metabolic and Circulating miRNA Profiles in Mice. <i>Journal of the Endocrine Society</i> , 2021, 5, A239-A240.	0.2	1
23	Spaceflight and hind limb unloading induces an arthritic phenotype in knee articular cartilage and menisci of rodents. <i>Scientific Reports</i> , 2021, 11, 10469.	3.3	17
24	Higher Serum 25-Hydroxy Vitamin D Is Associated With Better Measures of Bone Microarchitecture and Strength. <i>Current Developments in Nutrition</i> , 2021, 5, 1032.	0.3	0
25	TRPM8 modulates temperature regulation in a sex-dependent manner without affecting cold-induced bone loss. <i>PLoS ONE</i> , 2021, 16, e0231060.	2.5	8
26	Systems genetics in diversity outbred mice inform BMD GWAS and identify determinants of bone strength. <i>Nature Communications</i> , 2021, 12, 3408.	12.8	31
27	Dual targeting of salt inducible kinases and CSF1R uncouples bone formation and bone resorption. <i>ELife</i> , 2021, 10, .	6.0	12
28	Promoting Women in Academic Medicine during COVID-19 and Beyond. <i>Journal of General Internal Medicine</i> , 2021, 36, 3292-3294.	2.6	3
29	The Influence of Kinematic Constraints on Model Performance During Inverse Kinematics Analysis of the Thoracolumbar Spine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 688041.	4.1	12
30	The oestrous cycle and skeletal muscle atrophy: Investigations in rodent models of muscle loss. <i>Experimental Physiology</i> , 2021, 106, 2472-2488.	2.0	6
31	Biomechanics of hip and vertebral fractures. , 2021, , 357-378.		0
32	RNAseq and RNA molecular barcoding reveal differential gene expression in cortical bone following hindlimb unloading in female mice. <i>PLoS ONE</i> , 2021, 16, e0250715.	2.5	3
33	<i>Dnmt3a</i> -mutated clonal hematopoiesis promotes osteoporosis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	81
34	Control of osteocyte dendrite formation by Sp7 and its target gene osteocrin. <i>Nature Communications</i> , 2021, 12, 6271.	12.8	41
35	Effects of Estrogen Replacement on Bone Geometry and Microarchitecture in Adolescent and Young Adult Oligoamennorrheic Athletes: A Randomized Trial. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 248-260.	2.8	22
36	Effects of Longâ€Duration Spaceflight on Vertebral Strength and Risk of Spine Fracture. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 269-276.	2.8	12

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37	An Inverse Agonist Ligand of the PTH Receptor Partially Rescues Skeletal Defects in a Mouse Model of Jansen's Metaphyseal Chondrodysplasia. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 540-549.	2.8	8
38	Heterogeneity and Spatial Distribution of Intravertebral Trabecular Bone Mineral Density in the Lumbar Spine Is Associated With Prevalent Vertebral Fracture. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 641-648.	2.8	14
39	Response to: Some Questions About the Article "The Efficacy and Safety of Vertebral Augmentation: A Second ASBMR Task Force Report" <i>Journal of Bone and Mineral Research</i> , 2020, 35, 212-213.	2.8	0
40	Bone strength testing in rodents. , 2020, , 1923-1930.		1
41	Treatment of bone loss in proximal femurs of postmenopausal osteoporotic women with AGN1 local osteo-enhancement procedure (LOEP) increases hip bone mineral density and hip strength: a long-term prospective cohort study. <i>Osteoporosis International</i> , 2020, 31, 921-929.	3.1	17
42	Elevated HbA1c Is Associated with Altered Cortical and Trabecular Microarchitecture in Girls with Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e1648-e1656.	3.6	28
43	Local and global microarchitecture is associated with different features of bone biomechanics. <i>Bone Reports</i> , 2020, 13, 100716.	0.4	4
44	Treatment-related changes in bone mineral density as a surrogate biomarker for fracture risk reduction: meta-regression analyses of individual patient data from multiple randomised controlled trials. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 672-682.	11.4	117
45	Between-session reliability of subject-specific musculoskeletal models of the spine derived from optoelectronic motion capture data. <i>Journal of Biomechanics</i> , 2020, 112, 110044.	2.1	18
46	Guidelines for the assessment of bone density and microarchitecture in vivo using high-resolution peripheral quantitative computed tomography. <i>Osteoporosis International</i> , 2020, 31, 1607-1627.	3.1	181
47	Bone Density and Trabecular Morphology at Least 10 Years After Gastric Bypass and Gastric Banding. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 2132-2142.	2.8	18
48	Dose-dependent skeletal deficits due to varied reductions in mechanical loading in rats. <i>Npj Microgravity</i> , 2020, 6, 15.	3.7	12
49	The Central Role of Osteocytes in the Four Adaptive Pathways of Bone's Mechanostat. <i>Exercise and Sport Sciences Reviews</i> , 2020, 48, 140-148.	3.0	31
50	A FAK/HDAC5 signaling axis controls osteocyte mechanotransduction. <i>Nature Communications</i> , 2020, 11, 3282.	12.8	57
51	Red and White Blood Cell Counts Are Associated With Bone Marrow Adipose Tissue, Bone Mineral Density, and Bone Microarchitecture in Premenopausal Women. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1031-1039.	2.8	23
52	Bone outcomes following sleeve gastrectomy in adolescents and young adults with obesity versus non-surgical controls. <i>Bone</i> , 2020, 134, 115290.	2.9	26
53	Increasing fluoride content deteriorates rat bone mechanical properties. <i>Bone</i> , 2020, 136, 115369.	2.9	20
54	Effects of Combination Denosumab and High-Dose Teriparatide Administration on Bone Microarchitecture and Estimated Strength: The DATA-HD HR-pQCT Study. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 41-51.	2.8	7

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55	Patterns of Load-to-Strength Ratios Along the Spine in a Population-Based Cohort to Evaluate the Contribution of Spinal Loading to Vertebral Fractures. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 704-711.	2.8	16
56	Incidence of Hip and Subtrochanteric/Femoral Shaft Fractures in Postmenopausal Women With Osteoporosis in the Phase 3 Long-Term Odanacatib Fracture Trial. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1225-1234.	2.8	14
57	Validation of the Surrogate Threshold Effect for Change in Bone Mineral Density as a Surrogate Endpoint for Fracture Outcomes: The FNIH-ASBMR SABRE Project. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 29-35.	2.8	23
58	Irisin directly stimulates osteoclastogenesis and bone resorption in vitro and in vivo. <i>ELife</i> , 2020, 9, .	6.0	68
59	Age-Related Changes in Bone Density, Microarchitecture, and Strength in Postmenopausal Black and White Women: The SWAN Longitudinal HR-pQCT Study. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 41-51.	2.8	7
60	OR22-06 Bone Outcomes Following Sleeve Gastrectomy in Adolescents and Young Adults with Obesity Versus Non-Surgical Controls. <i>Journal of the Endocrine Society</i> , 2020, 4, .	0.2	0
61	SUN-335 Abaloparatide Prevents Unloading-Induced Bone Loss in Adult Rats. <i>Journal of the Endocrine Society</i> , 2020, 4, .	0.2	0
62	Bone Microarchitecture Phenotypes Identified in Older Adults Are Associated With Different Levels of Osteoporotic Fracture Risk. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 428-439.	2.8	24
63	Propranolol Promotes Bone Formation and Limits Resorption Through Novel Mechanisms During Anabolic Parathyroid Hormone Treatment in Female C57BL/6J Mice. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 954-971.	2.8	5
64	A Moderate Daily Dose of Resveratrol Mitigates Muscle Deconditioning in a Martian Gravity Analog. <i>Frontiers in Physiology</i> , 2019, 10, 899.	2.8	23
65	Skeletal loading score is associated with bone microarchitecture in young adults. <i>Bone</i> , 2019, 127, 360-366.	2.9	13
66	Reply to: Change in Bone Density and Reduction in Fracture Risk: A Meta-Regression of Published Trials. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1977-1978.	2.8	2
67	Longitudinal time course of muscle impairments during partial weight-bearing in rats. <i>Npj Microgravity</i> , 2019, 5, 20.	3.7	18
68	Change in Bone Density and Reduction in Fracture Risk: A Meta-Regression of Published Trials. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 632-642.	2.8	197
69	The Efficacy and Safety of Vertebral Augmentation: A Second ASBMR Task Force Report. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 3-21.	2.8	83
70	Response Letter to the Editor—Diamond et al, <i>JBMR</i>. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1185-1186.	2.8	2
71	A prospective field study of U.S. Army trainees to identify the physiological bases and key factors influencing musculoskeletal injuries: a study protocol. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 282.	1.9	20
72	Abaloparatide increases bone mineral density and bone strength in ovariectomized rabbits with glucocorticoid-induced osteopenia. <i>Osteoporosis International</i> , 2019, 30, 1607-1616.	3.1	16

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73	Regional Changes in Density and Microarchitecture in the Ultradistal Tibia of Female Recruits After U.S. Army Basic Combat Training. <i>Calcified Tissue International</i> , 2019, 105, 68-76.	3.1	6
74	Abaloparatide improves cortical geometry and trabecular microarchitecture and increases vertebral and femoral neck strength in a rat model of male osteoporosis. <i>Bone</i> , 2019, 124, 148-157.	2.9	19
75	Influence of soft tissue on bone density and microarchitecture measurements by high-resolution peripheral quantitative computed tomography. <i>Bone</i> , 2019, 124, 47-52.	2.9	10
76	In vitro injection of osteoporotic cadaveric femurs with a triphasic calcium-based implant confers immediate biomechanical integrity. <i>Journal of Orthopaedic Research</i> , 2019, 37, 908-915.	2.3	16
77	Atypical Femur Fractures: Review of Epidemiology, Relationship to Bisphosphonates, Prevention, and Clinical Management. <i>Endocrine Reviews</i> , 2019, 40, 333-368.	20.1	136
78	Negative Effects of Long-duration Spaceflight on Paraspinal Muscle Morphology. <i>Spine</i> , 2019, 44, 879-886.	2.0	40
79	Trabecular microstructure is influenced by race and sex in Black and White young adults. <i>Osteoporosis International</i> , 2019, 30, 201-209.	3.1	11
80	Nonsteroidal Anti-Inflammatory Drug Prescriptions Are Associated With Increased Stress Fracture Diagnosis in the US Army Population. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 429-436.	2.8	24
81	Progenitor recruitment and adipogenic lipolysis contribute to the anabolic actions of parathyroid hormone on the skeleton. <i>FASEB Journal</i> , 2019, 33, 2885-2898.	0.5	54
82	Cortical and trabecular bone microarchitecture as an independent predictor of incident fracture risk in older women and men in the Bone Microarchitecture International Consortium (BoMIC): a prospective study. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 34-43.	11.4	244
83	Oestrogen replacement improves bone mineral density in oligo-amenorrhoeic athletes: a randomised clinical trial. <i>British Journal of Sports Medicine</i> , 2019, 53, 229-236.	6.7	66
84	Cortical Bone Material Strength Index and Bone Microarchitecture in Postmenopausal Women With Atypical Femoral Fractures. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 75-82.	2.8	34
85	A Longitudinal Study of Trunk Muscle Properties and Severity of Thoracic Kyphosis in Women and Men: The Framingham Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 420-427.	3.6	30
86	Cathepsin K-deficient osteocytes prevent lactation-induced bone loss and parathyroid hormone suppression. <i>Journal of Clinical Investigation</i> , 2019, 129, 3058-3071.	8.2	48
87	Salt-inducible kinases dictate parathyroid hormone 1 receptor action in bone development and remodeling. <i>Journal of Clinical Investigation</i> , 2019, 129, 5187-5203.	8.2	28
88	Local Osteo-Enhancement Procedure with a Triphasic Calcium Based Implant Increases FEA-Estimated Proximal Femur Strength in Osteoporotic Women at 5 to 7 Years. <i>Osteology</i> , 2019, 28, .	0.1	0
89	Injection of a Triphasic Calcium-Based Implant into Cadaveric Proximal Femurs Provides Immediate Biomechanical Improvement. , 2019, 28, .		0
90	Irisin Mediates Effects on Bone via $\alpha_5\beta_1$ Integrin Receptors. <i>FASEB Journal</i> , 2019, 33, 15.2.	0.5	0

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91	Estimating apparent maximum muscle stress of trunk extensor muscles in older adults using subject-specific musculoskeletal models. <i>Journal of Orthopaedic Research</i> , 2018, 36, 498-505.	2.3	15
92	Comparison of cyclic and impact-based reference point indentation measurements in human cadaveric tibia. <i>Bone</i> , 2018, 106, 90-95.	2.9	29
93	Trabecular Bone Morphology Correlates With Skeletal Maturity and Body Composition in Healthy Adolescent Girls. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 336-345.	3.6	14
94	Higher Dairy Food Intake Is Associated With Higher Spine Quantitative Computed Tomography (QCT) Bone Measures in the Framingham Study for Men But Not Women. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1283-1290.	2.8	7
95	A longitudinal study of disc height narrowing and facet joint osteoarthritis at the thoracic and lumbar spine, evaluated by computed tomography: the Framingham Study. <i>Spine Journal</i> , 2018, 18, 2065-2073.	1.3	26
96	Treatment-Related Changes in Bone Turnover and Fracture Risk Reduction in Clinical Trials of Anti-Resorptive Drugs: A Meta-Regression. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 634-642.	2.8	51
97	Changes in tibial bone microarchitecture in female recruits in response to 8 weeks of U.S. Army Basic Combat Training. <i>Bone</i> , 2018, 113, 9-16.	2.9	53
98	Structural and functional properties of bone are compromised in amyotrophic lateral sclerosis mice. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2018, 19, 457-462.	1.7	9
99	The rib cage reduces intervertebral disc pressures in cadaveric thoracic spines by sharing loading under applied dynamic moments. <i>Journal of Biomechanics</i> , 2018, 70, 262-266.	2.1	17
100	Diabetes and Deficits in Cortical Bone Density, Microarchitecture, and Bone Size: Framingham HR-pQCT Study. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 54-62.	2.8	148
101	Bone Material Strength Index as Measured by Impact Microindentation in Postmenopausal Women With Distal Radius and Hip Fractures. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 621-626.	2.8	40
102	Bone Structure and Biomechanics. , 2018, , 19-30.		0
103	Correspondence between bone mineral density and intervertebral disc degeneration across age and sex. <i>Archives of Osteoporosis</i> , 2018, 13, 123.	2.4	26
104	Irisin Mediates Effects on Bone and Fat via $\alpha 5 \beta 1$ Integrin Receptors. <i>Cell</i> , 2018, 175, 1756-1768.e17.	28.9	372
105	Loss of $Gs\alpha$ in osteocytes leads to osteopenia due to sclerostin induced suppression of osteoblast activity. <i>Bone</i> , 2018, 117, 138-148.	2.9	14
106	Longitudinal 5-Year Evaluation of Bone Density and Microarchitecture After Roux-en-Y Gastric Bypass Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 4104-4112.	3.6	76
107	A novel partial gravity ground-based analog for rats via quadrupedal unloading. <i>Journal of Applied Physiology</i> , 2018, 125, 175-182.	2.5	44
108	Harmonizing finite element modelling for non-invasive strength estimation by high-resolution peripheral quantitative computed tomography. <i>Journal of Biomechanics</i> , 2018, 80, 63-71.	2.1	35

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109	Bone microarchitecture, biomechanical properties, and advanced glycation end-products in the proximal femur of adults with type 2 diabetes. <i>Bone</i> , 2018, 114, 32-39.	2.9	97
110	Long-Term and Recent Weight Change Are Associated With Reduced Peripheral Bone Density, Deficits in Bone Microarchitecture, and Decreased Bone Strength: The Framingham Osteoporosis Study. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1851-1858.	2.8	18
111	Fracture Prediction by Computed Tomography and Finite Element Analysis: Current and Future Perspectives. <i>Current Osteoporosis Reports</i> , 2018, 16, 411-422.	3.6	50
112	Overview of Bone Structure and Strength. , 2018, , 197-208.		3
113	Differential effects of high fat diet and diet-induced obesity on skeletal acquisition in female C57BL/6J vs. FVB/NJ Mice. <i>Bone Reports</i> , 2018, 8, 204-214.	0.4	34
114	Regional variation of bone density, microarchitectural parameters, and elastic moduli in the ultradistal tibia of young black and white men and women. <i>Bone</i> , 2018, 112, 194-201.	2.9	8
115	Loss of Intestinal Alkaline Phosphatase Leads to Distinct Chronic Changes in Bone Phenotype. <i>Journal of Surgical Research</i> , 2018, 232, 325-331.	1.6	7
116	Vertebral Volumetric Bone Density and Strength are Impaired in Women with Low-weight and Atypical Anorexia Nervosa. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, jc.2016-2099.	3.6	21
117	Sclerostin antibody inhibits skeletal deterioration in mice exposed to partial weight-bearing. <i>Life Sciences in Space Research</i> , 2017, 12, 32-38.	2.3	10
118	Incorporation of CT-based measurements of trunk anatomy into subject-specific musculoskeletal models of the spine influences vertebral loading predictions. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2164-2173.	2.3	41
119	Inhibition of osteoclast differentiation and collagen antibody-induced arthritis by CTHRC1. <i>Bone</i> , 2017, 97, 153-167.	2.9	28
120	Spinal Loading Patterns From Biomechanical Modeling Explain the High Incidence of Vertebral Fractures in the Thoracolumbar Region. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1282-1290.	2.8	83
121	Bone health in subjects with type 1 diabetes for more than 50 years. <i>Acta Diabetologica</i> , 2017, 54, 479-488.	2.5	38
122	An update on osteoporosis pathogenesis, diagnosis, and treatment. <i>Bone</i> , 2017, 98, 37.	2.9	11
123	Risk of Stress Fracture Varies by Race/Ethnic Origin in a Cohort Study of 1.3 Million US Army Soldiers. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1546-1553.	2.8	41
124	Bisphosphonate Withdrawal: Effects on Bone Formation and Bone Resorption in Maturing Male Mice. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 814-820.	2.8	11
125	Differences in Trabecular Microstructure Between Black and White Women Assessed by Individual Trabecular Segmentation Analysis of HR-pQCT Images. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1100-1108.	2.8	15
126	Spontaneous mutation of Dock7 results in lower trabecular bone mass and impaired periosteal expansion in aged female Misty mice. <i>Bone</i> , 2017, 105, 103-114.	2.9	15

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127	Thoracic Kyphosis and Physical Function: The Framingham Study. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 2257-2264.	2.6	22
128	Comparison of non-invasive assessments of strength of the proximal femur. <i>Bone</i> , 2017, 105, 93-102.	2.9	68
129	Bone mass, microarchitecture and strength are influenced by race/ethnicity in young adult men and women. <i>Bone</i> , 2017, 103, 200-208.	2.9	58
130	Bone Strength Estimated by Micro-Finite Element Analysis (μ FEA) Is Heritable and Shares Genetic Predisposition With Areal BMD: The Framingham Study. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 2151-2156.	2.8	5
131	Treatment With a Soluble Bone Morphogenetic Protein Type 1A Receptor (BMPRI1A) Fusion Protein Increases Bone Mass and Bone Formation in Mice Subjected to Hindlimb Unloading. <i>JBMR Plus</i> , 2017, 1, 66-72.	2.7	13
132	Effects of Denosumab and Teriparatide Transitions on Bone Microarchitecture and Estimated Strength: the DATA-Switch HR-pQCT study. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 2001-2009.	2.8	59
133	Evaluation of a new approach to compute intervertebral disc height measurements from lateral radiographic views of the spine. <i>European Spine Journal</i> , 2017, 26, 167-172.	2.2	10
134	The role of adaptive bone formation in the etiology of stress fracture. <i>Experimental Biology and Medicine</i> , 2017, 242, 897-906.	2.4	56
135	Visceral Adipose Tissue Is Associated With Bone Microarchitecture in the Framingham Osteoporosis Study. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 143-150.	2.8	59
136	Heritability and Genetic Correlations for Bone Microarchitecture: The Framingham Study Families. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 106-114.	2.8	30
137	Spaceflight Activates Lipotoxic Pathways in Mouse Liver. <i>PLoS ONE</i> , 2016, 11, e0152877.	2.5	69
138	Letter to the editor in response to the commentary, "Concurrent administration of PTH and antiresorptives: Additive effects or DXA cosmetics. <i>Bone</i> , 2016, 89, 73-74.	2.9	4
139	Effect of follower load on motion and stiffness of the human thoracic spine with intact rib cage. <i>Journal of Biomechanics</i> , 2016, 49, 3252-3259.	2.1	31
140	Technical note: Recommendations for a standard procedure to assess cortical bone at the tissue-level in vivo using impact microindentation. <i>Bone Reports</i> , 2016, 5, 181-185.	0.4	70
141	Novel Genetic Variants Associated With Increased Vertebral Volumetric BMD, Reduced Vertebral Fracture Risk, and Increased Expression of <i>SLC1A3</i> and <i>EPHB2</i> . <i>Journal of Bone and Mineral Research</i> , 2016, 31, 2085-2097.	2.8	42
142	Heritability of Thoracic Spine Curvature and Genetic Correlations With Other Spine Traits: The Framingham Study. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 2077-2084.	2.8	22
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