Clifford J Rosen

List of Publications by Year
in descending order

435 papers	39,086 citations	2318 98 h-index	3576 181 g-index
455 all docs	455 docs citations	455 times ranked	32880 citing authors

#	Article	IF	Citations
1	The 2011 Report on Dietary Reference Intakes for Calcium and Vitamin D from the Institute of Medicine: What Clinicians Need to Know. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 53-58.	1.8	3,343
2	The Effects of Parathyroid Hormone and Alendronate Alone or in Combination in Postmenopausal Osteoporosis. New England Journal of Medicine, 2003, 349, 1207-1215.	13.9	1,133
3	Postmenopausal Osteoporosis. New England Journal of Medicine, 2016, 374, 254-262.	13.9	1,101
4	Mechanisms of Disease: is osteoporosis the obesity of bone?. Nature Clinical Practice Rheumatology, 2006, 2, 35-43.	3.2	810
5	Vitamin D Insufficiency. New England Journal of Medicine, 2011, 364, 248-254.	13.9	727
6	Adherence to Bisphosphonate Therapy and Fracture Rates in Osteoporotic Women: Relationship to Vertebral and Nonvertebral Fractures From 2 US Claims Databases. Mayo Clinic Proceedings, 2006, 81, 1013-1022.	1.4	652
7	Circulating levels of IGF-1 directly regulate bone growth and density. Journal of Clinical Investigation, 2002, 110, 771-781.	3.9	640
8	Osteoblast-specific Knockout of the Insulin-like Growth Factor (IGF) Receptor Gene Reveals an Essential Role of IGF Signaling in Bone Matrix Mineralization. Journal of Biological Chemistry, 2002, 277, 44005-44012.	1.6	621
9	The Nonskeletal Effects of Vitamin D: An Endocrine Society Scientific Statement. Endocrine Reviews, 2012, 33, 456-492.	8.9	611
10	One Year of Alendronate after One Year of Parathyroid Hormone (1â€"84) for Osteoporosis. New England Journal of Medicine, 2005, 353, 555-565.	13.9	568
11	Matrix IGF-1 maintains bone mass by activation of mTOR in mesenchymal stem cells. Nature Medicine, 2012, 18, 1095-1101.	15.2	498
12	Canonical Nlrp3 Inflammasome Links Systemic Low-Grade Inflammation to Functional Decline in Aging. Cell Metabolism, 2013, 18, 519-532.	7.2	494
13	IOM Committee Members Respond to Endocrine Society Vitamin D Guideline. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 1146-1152.	1.8	492
14	Pharmacological Management of Osteoporosis in Postmenopausal Women: An Endocrine Society Clinical Practice Guideline. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 1595-1622.	1.8	470
15	Circulating levels of IGF-1 directly regulate bone growth and density. Journal of Clinical Investigation, 2002, 110, 771-781.	3.9	469
16	Vitamin D Supplementation and Prevention of Type 2 Diabetes. New England Journal of Medicine, 2019, 381, 520-530.	13.9	423
17	Bone Marrow Adipose Tissue Is an Endocrine Organ that Contributes to Increased Circulating Adiponectin during Caloric Restriction. Cell Metabolism, 2014, 20, 368-375.	7.2	415
18	Aging in inbred strains of mice: study design and interim report on median lifespans and circulating IGF1 levels. Aging Cell, 2009, 8, 277-287.	3.0	359

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19	Increased Bone Marrow Fat in Anorexia Nervosa. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 2129-2136.	1.8	332
20	Region-specific variation in the properties of skeletal adipocytes reveals regulated and constitutive marrow adipose tissues. Nature Communications, 2015, 6, 7808.	5.8	332
21	Targeted Overexpression of Insulin-Like Growth Factor I to Osteoblasts of Transgenic Mice: Increased Trabecular Bone Volume without Increased Osteoblast Proliferation¹. Endocrinology, 2000, 141, 2674-2682.	1.4	323
22	Marrow Fat and Boneâ€"New Perspectives. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 935-945.	1.8	319
23	Parathyroid Hormone Directs Bone Marrow Mesenchymal Cell Fate. Cell Metabolism, 2017, 25, 661-672.	7.2	308
24	Marrow Fat and the Bone Microenvironment: Developmental, Functional, and Pathological Implications. Critical Reviews in Eukaryotic Gene Expression, 2009, 19, 109-124.	0.4	304
25	Caloric restriction leads to high marrow adiposity and low bone mass in growing mice. Journal of Bone and Mineral Research, 2010, 25, 2078-2088.	3.1	295
26	Treatment With Once-Weekly Alendronate 70 mg Compared With Once-Weekly Risedronate 35 mg in Women With Postmenopausal Osteoporosis: A Randomized Double-Blind Study. Journal of Bone and Mineral Research, 2005, 20, 141-151.	3.1	291
27	The 2011 Dietary Reference Intakes for Calcium and Vitamin D: What Dietetics Practitioners Need to KnowaŽaŽThis article is a summary of the Institute of Medicine report entitled Dietary Reference Intakes for Calcium and Vitamin D (available at) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (http://www.iom.edu/Reports/2010/Die		

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37	Vitamin D Deficiency â€" Is There Really a Pandemic?. New England Journal of Medicine, 2016, 375, 1817-1820.	13.9	236
38	Mechanical Stimulation of Mesenchymal Stem Cell Proliferation and Differentiation Promotes Osteogenesis While Preventing Dietary-Induced Obesity. Journal of Bone and Mineral Research, 2009, 24, 50-61.	3.1	232
39	Insulin-Like Growth Factor I Is Required for the Anabolic Actions of Parathyroid Hormone on Mouse Bone. Journal of Bone and Mineral Research, 2002, 17, 1570-1578.	3.1	231
40	Ovariectomy-Induced Bone Loss Varies Among Inbred Strains of Mice. Journal of Bone and Mineral Research, 2005, 20, 1085-1092.	3.1	227
41	Effects of Oral Dehydroepiandrosterone on Bone Density in Young Women with Anorexia Nervosa: A Randomized Trial. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 4935-4941.	1.8	224
42	Visceral Fat Is a Negative Predictor of Bone Density Measures in Obese Adolescent Girls. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1247-1255.	1.8	217
43	Pharmacological Management of Osteoporosis in Postmenopausal Women: An Endocrine Society Guideline Update. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 587-594.	1.8	214
44	Dietary Changes Favorably Affect Bone Remodeling in Older Adults. Journal of the American Dietetic Association, 1999, 99, 1228-1233.	1.3	213
45	Association Between Insulin-Like Growth Factor I and Bone Mineral Density in Older Women and Men: The Framingham Heart Study1. Journal of Clinical Endocrinology and Metabolism, 1998, 83, 4257-4262.	1.8	209
46	The Rosiglitazone Story â€" Lessons from an FDA Advisory Committee Meeting. New England Journal of Medicine, 2007, 357, 844-846.	13.9	199
47	Vertebral Bone Marrow Fat Associated With Lower Trabecular BMD and Prevalent Vertebral Fracture in Older Adults. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2294-2300.	1.8	199
48	The boneâ€"fat interface: basic and clinical implications of marrow adiposity. Lancet Diabetes and Endocrinology,the, 2015, 3, 141-147.	5.5	198
49	Adolescent Girls in Maine Are at Risk for Vitamin D Insufficiency. Journal of the American Dietetic Association, 2005, 105, 971-974.	1.3	197
50	What's the matter with MAT? Marrow adipose tissue, metabolism, and skeletal health. Annals of the New York Academy of Sciences, 2014, 1311, 14-30.	1.8	193
51	Myosteatosis in the Context of Skeletal Muscle Function Deficit: An Interdisciplinary Workshop at the National Institute on Aging. Frontiers in Physiology, 2020, 11, 963.	1.3	190
52	Bone, Fat, and Body Composition: Evolving Concepts in the Pathogenesis of Osteoporosis. American Journal of Medicine, 2009, 122, 409-414.	0.6	189
53	Anabolic Therapy for Osteoporosis. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 957-964.	1.8	187
54	Genetic Regulation of Cortical and Trabecular Bone Strength and Microstructure in Inbred Strains of Mice. Journal of Bone and Mineral Research, 2000, 15, 1126-1131.	3.1	181

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55	The health effects of vitamin D supplementation: evidence from human studies. Nature Reviews Endocrinology, 2022, 18, 96-110.	4.3	181
56	Type 2 diabetes and the skeleton: new insights into sweet bones. Lancet Diabetes and Endocrinology,the, 2016, 4, 159-173.	5.5	179
57	The Skeletal Structure of Insulin-Like Growth Factor I-Deficient Mice. Journal of Bone and Mineral Research, 2001, 16, 2320-2329.	3.1	175
58	Abdominal Fat Is Associated With Lower Bone Formation and Inferior Bone Quality in Healthy Premenopausal Women: A Transiliac Bone Biopsy Study. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2562-2572.	1.8	165
59	Clinical implications of bone marrow adiposity. Journal of Internal Medicine, 2018, 283, 121-139.	2.7	159
60	Severe Hypocalcemia after Intravenous Bisphosphonate Therapy in Occult Vitamin D Deficiency. New England Journal of Medicine, 2003, 348, 1503-1504.	13.9	158
61	In Osteoporosis, differentiation of mesenchymal stem cells (MSCs) improves bone marrow adipogenesis. Biological Research, 2012, 45, 279-287.	1.5	157
62	PPARÎ³2 nuclear receptor controls multiple regulatory pathways of osteoblast differentiation from marrow mesenchymal stem cells. Journal of Cellular Biochemistry, 2009, 106, 232-246.	1.2	156
63	Liver homeostasis is maintained by midlobular zone 2 hepatocytes. Science, 2021, 371, .	6.0	154
64	Quantitative trait loci for bone density in C57BL/6J and CAST/EiJ inbred mice. Mammalian Genome, 1999, 10, 1043-1049.	1.0	153
65	Bone marrow adipocytes. Adipocyte, 2017, 6, 193-204.	1.3	151
66	The Determinants of Peak Bone Mass. Journal of Pediatrics, 2017, 180, 261-269.	0.9	147
67	Secondary Fracture Prevention: Consensus Clinical Recommendations from a Multistakeholder Coalition. Journal of Bone and Mineral Research, 2020, 35, 36-52.	3.1	146
68	Determinants of bone mineral density in obese premenopausal women. Bone, 2011, 48, 748-754.	1.4	144
69	40 YEARS OF IGF1: Insulin-like growth factors: actions on the skeleton. Journal of Molecular Endocrinology, 2018, 61, T115-T137.	1.1	142
70	The insulin-like growth factor-I gene and osteoporosis: A critical appraisal. Gene, 2005, 361, 38-56.	1.0	138
71	A High Fat Diet Increases Bone Marrow Adipose Tissue (MAT) But Does Not Alter Trabecular or Cortical Bone Mass in C57BL/6J Mice. Journal of Cellular Physiology, 2015, 230, 2032-2037.	2.0	137
72	A circadian-regulated gene, <i>Nocturnin</i> , promotes adipogenesis by stimulating PPAR-Î³ nuclear translocation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10508-10513.	3.3	136

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73	Use of Osmium Tetroxide Staining with Microcomputerized Tomography to Visualize and Quantify Bone Marrow Adipose Tissue In Vivo. Methods in Enzymology, 2014, 537, 123-139.	0.4	136
74	Addressing the Crisis in the Treatment of Osteoporosis: A Path Forward. Journal of Bone and Mineral Research, 2017, 32, 424-430.	3.1	134
75	A genome-wide scan for loci linked to forearm bone mineral density. Human Genetics, 1999, 104, 226-233.	1.8	131
76	Bioenergetics During Calvarial Osteoblast Differentiation Reflect Strain Differences in Bone Mass. Endocrinology, 2014, 155, 1589-1595.	1.4	131
77	FSH blockade improves cognition in mice with Alzheimerâ€™s disease. Nature, 2022, 603, 470-476.	13.7	131
78	Bone marrow changes in adolescent girls with anorexia nervosa. Journal of Bone and Mineral Research, 2010, 25, 298-304.	3.1	130
79	Blocking antibody to the Î²-subunit of FSH prevents bone loss by inhibiting bone resorption and stimulating bone synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14574-14579.	3.3	129
80	Circulating IGF-I: New Perspectives for a New Century. Trends in Endocrinology and Metabolism, 1999, 10, 136-141.	3.1	128
81	Emerging therapeutic opportunities for skeletal restoration. Nature Reviews Drug Discovery, 2011, 10, 141-156.	21.5	125
82	Physiologic regulators of bone turnover in young women with anorexia nervosa. Journal of Pediatrics, 2002, 141, 64-70.	0.9	124
83	Continuous PTH and PTHrP Infusion Causes Suppression of Bone Formation and Discordant Effects on 1,25(OH)2Vitamin D. Journal of Bone and Mineral Research, 2005, 20, 1792-1803.	3.1	124
84	Fat targets for skeletal health. Nature Reviews Rheumatology, 2009, 5, 365-372.	3.5	124
85	Integrating GWAS and Co-expression Network Data Identifies Bone Mineral Density Genes SPTBN1 and MARK3 and an Osteoblast Functional Module. Cell Systems, 2017, 4, 46-59.e4.	2.9	124
86	Elderly women in northern New England exhibit seasonal changes in bone mineral density and calciotropic hormones. Bone and Mineral, 1994, 25, 83-92.	2.0	122
87	Safety and Efficacy of Teriparatide in Elderly Women with Established Osteoporosis: Bone Anabolic Therapy from a Geriatric Perspective. Journal of the American Geriatrics Society, 2006, 54, 782-789.	1.3	122
88	Revisiting the Rosiglitazone Story â€" Lessons Learned. New England Journal of Medicine, 2010, 363, 803-806.	13.9	117
89	The skeletal cellâ€derived molecule sclerostin drives bone marrow adipogenesis. Journal of Cellular Physiology, 2018, 233, 1156-1167.	2.0	116
90	Inducible Brown Adipose Tissue, or Beige Fat, Is Anabolic for the Skeleton. Endocrinology, 2013, 154, 2687-2701.	1.4	109

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91	Musculoskeletal Effects of the Recombinant Human IGF-I/IGF Binding Protein-3 Complex in Osteoporotic Patients with Proximal Femoral Fracture: A Double-Blind, Placebo-Controlled Pilot Study. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 1593-1599.	1.8	108
92	Navigating the bone marrow niche: translational insights and cancer-driven dysfunction. Nature Reviews Rheumatology, 2016, 12, 154-168.	3.5	108
93	Growth hormone regulates the balance between bone formation and bone marrow adiposity. Journal of Bone and Mineral Research, 2010, 25, 757-768.	3.1	107
94	Novel insights into the relationship between diabetes and osteoporosis. Diabetes/Metabolism Research and Reviews, 2010, 26, 622-630.	1.7	106
95	Bone As An Endocrine Organ. Endocrine Practice, 2012, 18, 758-762.	1.1	106
96	Exercise patterns and trabecular bone density in college women. Journal of Bone and Mineral Research, 1990, 5, 245-250.	3.1	105
97	Postmenopausal Osteoporosis. New England Journal of Medicine, 2016, 374, 2095-2097.	13.9	105
98	Age-Related Changes in Serum Insulin-Like Growth Factor-Binding Proteins in Women*. Journal of Clinical Endocrinology and Metabolism, 1990, 71, 575-579.	1.8	102
99	Congenic mice with low serum IGF-I have increased body fat, reduced bone mineral density, and an altered osteoblast differentiation program. Bone, 2004, 35, 1046-1058.	1.4	101
100	Variation in Bone Biomechanical Properties, Microstructure, and Density in BXH Recombinant Inbred Mice. Journal of Bone and Mineral Research, 2001, 16, 206-213.	3.1	100
101	Low bone mineral density in adults with previous hypothalamic-pituitary tumors: Correlations with serum growth hormone responses to GH-releasing hormone, insulin-like growth factor I, and IGF binding protein 3. Calcified Tissue International, 1993, 52, 183-187.	1.5	98
102	Mapping Quantitative Trait Loci for Vertebral Trabecular Bone Volume Fraction and Microarchitecture in Mice. Journal of Bone and Mineral Research, 2003, 19, 587-599.	3.1	98
103	Marrow fat and preadipocyte factor-1 levels decrease with recovery in women with anorexia nervosa. Journal of Bone and Mineral Research, 2012, 27, 1864-1871.	3.1	98
104	Change in Undercarboxylated Osteocalcin Is Associated with Changes in Body Weight, Fat Mass, and Adiponectin: Parathyroid Hormone (1-84) or Alendronate Therapy in Postmenopausal Women with Osteoporosis (the PaTH Study). Journal of Clinical Endocrinology and Metabolism, 2011, 96, E1982-E1989.	1.8	95
105	Young Women with Cold-Activated Brown Adipose Tissue Have Higher Bone Mineral Density and Lower Pref-1 than Women without Brown Adipose Tissue: A Study in Women with Anorexia Nervosa, Women Recovered from Anorexia Nervosa, and Normal-Weight Women. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E584-E590.	1.8	94
106	Serum IGF-1 Determines Skeletal Strength by Regulating Subperiosteal Expansion and Trait Interactions. Journal of Bone and Mineral Research, 2009, 24, 1481-1492.	3.1	93
107	Bone Remodeling, Energy Metabolism, and the Molecular Clock. Cell Metabolism, 2008, 7, 7-10.	7.2	92
108	From Mouse to Man: Redefining the Role of Insulin-Like Growth Factor-I in the Acquisition of Bone Mass. Experimental Biology and Medicine, 2003, 228, 245-252.	1.1	91

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109	Transgenic mice with osteoblast-targeted insulin-like growth factor-I show increased bone remodeling. Bone, 2006, 39, 494-504.	1.4	90
110	Serum complexes of insulinâ€like growth factorâ€1 modulate skeletal integrity and carbohydrate metabolism. FASEB Journal, 2009, 23, 709-719.	0.2	90
111	Marrow fat composition in anorexia nervosa. Bone, 2014, 66, 199-204.	1.4	90
112	Growth Hormone Administration and Exercise Effects on Muscle Fiber Type and Diameter in Moderately Frail Older People. Journal of the American Geriatrics Society, 2001, 49, 852-858.	1.3	87
113	Impact of seafood and fruit consumption on bone mineral density. Maturitas, 2007, 56, 1-11.	1.0	87
114	Preadipocyte Factor-1 Is Associated with Marrow Adiposity and Bone Mineral Density in Women with Anorexia Nervosa. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 407-413.	1.8	87
115	Paracrine Overexpression of IGFBP-4 in Osteoblasts of Transgenic Mice Decreases Bone Turnover and Causes Global Growth Retardation. Journal of Bone and Mineral Research, 2003, 18, 836-843.	3.1	85
116	The Insulin-Like Growth Factor System in Bone. Endocrinology and Metabolism Clinics of North America, 2012, 41, 323-333.	1.2	84
117	The effect of gonadal and adrenal steroid therapy on skeletal health in adolescents and young women with anorexia nervosa. Metabolism: Clinical and Experimental, 2012, 61, 1010-1020.	1.5	83
118	IGF-I and IGFBP-2 Stimulate AMPK Activation and Autophagy, Which Are Required for Osteoblast Differentiation. Endocrinology, 2016, 157, 268-281.	1.4	82
119	The Central Nervous System and Bone Metabolism: An Evolving Story. Calcified Tissue International, 2017, 100, 476-485.	1.5	81
120	The influence of endurance training on insulin-like growth factor-1 in older individuals. Metabolism: Clinical and Experimental, 1994, 43, 1401-1405.	1.5	80
121	Clinical utility of bone mass measurements in adults:Consensus of an international panel. Seminars in Arthritis and Rheumatism, 1996, 25, 361-372.	1.6	80
122	The ternary IGF complex influences postnatal bone acquisition and the skeletal response to intermittent parathyroid hormone. Journal of Endocrinology, 2006, 189, 289-299.	1.2	78
123	The 2011 IOM Report on Vitamin D and Calcium Requirements for North America: Clinical Implications for Providers Treating Patients With Low Bone Mineral Density. Journal of Clinical Densitometry, 2011, 14, 79-84.	0.5	78
124	Strain-Specific Effects of Rosiglitazone on Bone Mass, Body Composition, and Serum Insulin-Like Growth Factor-I. Endocrinology, 2009, 150, 1330-1340.	1.4	77
125	Understanding leptin-dependent regulation of skeletal homeostasis. Biochimie, 2012, 94, 2089-2096.	1.3	77
126	Rationale and Design of the Vitamin D and Type 2 Diabetes (D2d) Study: A Diabetes Prevention Trial. Diabetes Care, 2014, 37, 3227-3234.	4.3	77

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127	Bone-Derived IGF Mediates Crosstalk between Bone and Breast Cancer Cells in Bony Metastases. Cancer Research, 2012, 72, 4238-4249.	0.4	75
128	Generation of a New Congenic Mouse Strain to Test the Relationships Among Serum Insulin-like Growth Factor I, Bone Mineral Density, and Skeletal Morphology In Vivo. Journal of Bone and Mineral Research, 2002, 17, 570-579.	3.1	73
129	Insulin-Like Growth Factor (IGF) Binding Protein 2 Functions Coordinately with Receptor Protein Tyrosine Phosphatase Î² and the IGF-I Receptor To Regulate IGF-I-Stimulated Signaling. Molecular and Cellular Biology, 2012, 32, 4116-4130.	1.1	73
130	Obstructive Sleep Apnea and Metabolic Bone Disease: Insights Into the Relationship Between Bone and Sleep. Journal of Bone and Mineral Research, 2015, 30, 199-211.	3.1	73
131	Perturbations in Bone Formation and Resorption in Insulin-Like Growth Factor Binding Protein-3 Transgenic Mice. Journal of Bone and Mineral Research, 2003, 18, 1834-1841.	3.1	72
132	Postnatal growth and bone mass in mice with IGF-I haploinsufficiency. Bone, 2006, 38, 826-835.	1.4	72
133	Abnormal Bone Microarchitecture and Evidence of Osteoblast Dysfunction in Premenopausal Women with Idiopathic Osteoporosis. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 3095-3105.	1.8	72
134	Osteoblast-like MC3T3-E1 Cells Prefer Glycolysis for ATP Production but Adipocyte-like 3T3-L1 Cells Prefer Oxidative Phosphorylation. Journal of Bone and Mineral Research, 2018, 33, 1052-1065.	3.1	71
135	Emerging insights into the comparative effectiveness of anabolic therapies for osteoporosis. Nature Reviews Endocrinology, 2021, 17, 31-46.	4.3	71
136	Sympathetic Î²1-adrenergic signaling contributes to regulation of human bone metabolism. Journal of Clinical Investigation, 2018, 128, 4832-4842.	3.9	71
137	Genetic Effects for Femoral Biomechanics, Structure, and Density in C57BL/6J and C3H/HeJ Inbred Mouse Strains. Journal of Bone and Mineral Research, 2003, 18, 1758-1765.	3.1	68
138	Aging Impairs IGF-I Receptor Activation and Induces Skeletal Resistance to IGF-I. Journal of Bone and Mineral Research, 2007, 22, 1271-1279.	3.1	68
139	Skeletal Effects of Estrogen Are Mediated by Opposing Actions of Classical and Nonclassical Estrogen Receptor Pathways. Journal of Bone and Mineral Research, 2005, 20, 1992-2001.	3.1	66
140	Bone Marrow Oxytocin Mediates the Anabolic Action of Estrogen on the Skeleton. Journal of Biological Chemistry, 2012, 287, 29159-29167.	1.6	66
141	Epitope-specific monoclonal antibodies to FSHÎ² increase bone mass. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2192-2197.	3.3	65
142	Elevated serum levels of IGF-1 are sufficient to establish normal body size and skeletal properties even in the absence of tissue IGF-1. Journal of Bone and Mineral Research, 2010, 25, 1257-1266.	3.1	64
143	Serum Insulinâ€Like Growth Factorâ€1 Binding Proteins 1 and 2 and Mortality in Older Adults: The Health, Aging, and Body Composition Study. Journal of the American Geriatrics Society, 2009, 57, 1213-1218.	1.3	63
144	Mechanisms of marrow adiposity and its implications for skeletal health. Metabolism: Clinical and Experimental, 2017, 67, 106-114.	1.5	62

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145	A Missense Mutation in the Mouse Col2a1 Gene Causes Spondyloepiphyseal Dysplasia Congenita, Hearing Loss, and Retinoschisis. Journal of Bone and Mineral Research, 2003, 18, 1612-1621.	3.1	61
146	Bone marrow adipose tissue: formation, function and regulation. Current Opinion in Pharmacology, 2016, 28, 50-56.	1.7	60
147	Lipids in the Bone Marrow: An Evolving Perspective. Cell Metabolism, 2020, 31, 219-231.	7.2	59
148	Congenic Strains of Mice for Verification and Genetic Decomposition of Quantitative Trait Loci for Femoral Bone Mineral Density. Journal of Bone and Mineral Research, 2003, 18, 175-185.	3.1	58
149	Altered thermogenesis and impaired bone remodeling in <i>Misty</i> mice. Journal of Bone and Mineral Research, 2013, 28, 1885-1897.	3.1	57
150	<i>PPARG</i> by Dietary Fat Interaction Influences Bone Mass in Mice and Humans. Journal of Bone and Mineral Research, 2008, 23, 1398-1408.	3.1	56
151	The many facets of PPARÎ³: novel insights for the skeleton. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E3-E9.	1.8	56
152	The Transcription Factor Paired-Related Homeobox 1 (Prrx1) Inhibits Adipogenesis by Activating Transforming Growth Factor-Î² (TGFÎ²) Signaling. Journal of Biological Chemistry, 2013, 288, 3036-3047.	1.6	56
153	FGF-21 and Skeletal Remodeling During and After Lactation in C57BL/6J Mice. Endocrinology, 2014, 155, 3516-3526.	1.4	56
154	Regulation of Glucose Handling by the Skeleton: Insights From Mouse and Human Studies. Diabetes, 2016, 65, 3225-3232.	0.3	56
155	Spontaneous Fractures in the Mouse Mutant sfx Are Caused by Deletion of the Gulonolactone Oxidase Gene, Causing Vitamin C Deficiency. Journal of Bone and Mineral Research, 2005, 20, 1597-1610.	3.1	55
156	Dynamic interplay between bone and multiple myeloma: Emerging roles of the osteoblast. Bone, 2015, 75, 161-169.	1.4	55
157	Osteoclast Formation in Bone Marrow Cultures from Two Inbred Strains of Mice with Different Bone Densities. Journal of Bone and Mineral Research, 1999, 14, 39-46.	3.1	54
158	The IGFâ€ɫ regulatory system and its impact on skeletal and energy homeostasis. Journal of Cellular Biochemistry, 2010, 111, 14-19.	1.2	54
159	Bone Remodeling and Energy Metabolism: New Perspectives. Bone Research, 2013, 1, 72-84.	5.4	54
160	Metformin Affects Cortical Bone Mass and Marrow Adiposity in Diet-Induced Obesity in Male Mice. Endocrinology, 2017, 158, 3369-3385.	1.4	54
161	Progenitor recruitment and adipogenic lipolysis contribute to the anabolic actions of parathyroid hormone on the skeleton. FASEB Journal, 2019, 33, 2885-2898.	0.2	54
162	Sprouty1 is a critical regulatory switch of mesenchymal stem cell lineage allocation. FASEB Journal, 2010, 24, 3264-3273.	0.2	53

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163	The Heparin-binding Domain of IGFBP-2 Has Insulin-like Growth Factor Binding-independent Biologic Activity in the Growing Skeleton. Journal of Biological Chemistry, 2011, 286, 14670-14680.	1.6	53
164	Reporting Guidelines, Review of Methodological Standards, and Challenges Toward Harmonization in Bone Marrow Adiposity Research. Report of the Methodologies Working Group of the International Bone Marrow Adiposity Society. Frontiers in Endocrinology, 2020, 11, 65.	1.5	53
165	Isolation, Culture, and Differentiation of Bone Marrow Stromal Cells and Osteoclast Progenitors from Mice. Journal of Visualized Experiments, 2018, , .	0.2	52
166	Circulating Sclerostin Associated With Vertebral Bone Marrow Fat in Older Men But Not Women. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E2584-E2590.	1.8	51
167	Bicc1 is a genetic determinant of osteoblastogenesis and bone mineral density. Journal of Clinical Investigation, 2014, 124, 2736-2749.	3.9	51
168	Post-acute sequelae of COVID-19: A metabolic perspective. ELife, 2022, 11, .	2.8	51
169	Genetic Dissection of Mouse Distal Chromosome 1 Reveals Three Linked BMD QTLs With Sex-Dependent Regulation of Bone Phenotypes. Journal of Bone and Mineral Research, 2007, 22, 1187-1196.	3.1	50
170	Supplements of 20 Î¼g/d Cholecalciferol Optimized Serum 25-Hydroxyvitamin D Concentrations in 80% of Premenopausal Women in Winter. Journal of Nutrition, 2009, 139, 540-546.	1.3	50
171	Serotonin Rising â€” The Bone, Brain, Bowel Connection. New England Journal of Medicine, 2009, 360, 957-959.	13.9	50
172	Skeletal aging and the adipocyte program. Cell Cycle, 2010, 9, 3672-3678.	1.3	50
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