

Yankel Gabet

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

3,005
citations

147566

31
h-index

174990

52
g-index

112
all docs

112
docs citations

112
times ranked

4796
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of fracture callus mechanical properties using micro-CT images and voxel-based finite element analysis. <i>Bone</i> , 2005, 36, 480-488.	1.4	152
2	Runx2 transcriptome of prostate cancer cells: insights into invasiveness and bone metastasis. <i>Molecular Cancer</i> , 2010, 9, 258.	7.9	146
3	Involvement of Neuronal Cannabinoid Receptor CB1 in Regulation of Bone Mass and Bone Remodeling. <i>Molecular Pharmacology</i> , 2006, 70, 786-792.	1.0	143
4	Regulation of adult bone turnover by sex steroids. <i>Journal of Cellular Physiology</i> , 2010, 224, 305-310.	2.0	127
5	Intermittent recombinant TSH injections prevent ovariectomy-induced bone loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4289-4294.	3.3	118
6	Parathyroid hormone 1 α 34 enhances titanium implant anchorage in low-density trabecular bone: A correlative micro-computed tomographic and biomechanical analysis. <i>Bone</i> , 2006, 39, 276-282.	1.4	106
7	Osteogenic growth peptide modulates fracture callus structural and mechanical properties. <i>Bone</i> , 2004, 35, 65-73.	1.4	103
8	Mechanism and Prevention of Titanium Particle-Induced Inflammation and Osteolysis. <i>Frontiers in Immunology</i> , 2018, 9, 2963.	2.2	103
9	Erythropoietin directly stimulates osteoclast precursors and induces bone loss. <i>FASEB Journal</i> , 2015, 29, 1890-1900.	0.2	95
10	Transplanted blood-derived endothelial progenitor cells (EPC) enhance bridging of sheep tibia critical size defects. <i>Bone</i> , 2009, 45, 918-924.	1.4	90
11	Enhancer methylation dynamics contribute to cancer plasticity and patient mortality. <i>Genome Research</i> , 2016, 26, 601-611.	2.4	88
12	Three-Dimensional Quantification of Alveolar Bone Loss in <i>Porphyromonas gingivalis</i> -Infected Mice Using Micro-Computed Tomography. <i>Journal of Periodontology</i> , 2005, 76, 1282-1286.	1.7	87
13	Modulation of Runx2 Activity by Estrogen Receptor- β : Implications for Osteoporosis and Breast Cancer. <i>Endocrinology</i> , 2008, 149, 5984-5995.	1.4	82
14	Scaling of titanium implants entrains inflammation-induced osteolysis. <i>Scientific Reports</i> , 2017, 7, 39612.	1.6	80
15	Cannabidiol, a Major Non-Psychotropic Cannabis Constituent Enhances Fracture Healing and Stimulates Lysyl Hydroxylase Activity in Osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1905-1913.	3.1	72
16	Endosseous implant anchorage is critically dependent on mechanostructural determinants of peri-implant bone trabeculae. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 575-583.	3.1	62
17	The Sirtuin1 Activator SRT3025 Down-Regulates Sclerostin and Rescues Ovariectomy-Induced Bone Loss and Biomechanical Deterioration in Female Mice. <i>Endocrinology</i> , 2014, 155, 3508-3515.	1.4	60
18	Lef1 Haploinsufficient Mice Display a Low Turnover and Low Bone Mass Phenotype in a Gender- and Age-Specific Manner. <i>PLoS ONE</i> , 2009, 4, e5438.	1.1	58

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19	Increased EPO Levels Are Associated With Bone Loss in Mice Lacking PHD2 in EPO-Producing Cells. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1877-1887.	3.1	56
20	Premature primary tooth eruption in cognitive/motor-delayed ADNP-mutated children. <i>Translational Psychiatry</i> , 2017, 7, e1043-e1043.	2.4	55
21	Heparanase is expressed in osteoblastic cells and stimulates bone formation and bone mass. <i>Journal of Cellular Physiology</i> , 2006, 207, 784-792.	2.0	53
22	Statins Enhance Rotator Cuff Healing by Stimulating the COX2/PGE2/EP4 Pathway. <i>American Journal of Sports Medicine</i> , 2014, 42, 2869-2876.	1.9	50
23	Micro-Tomographic Atlas of the Mouse Skeleton. , 2007, , .		45
24	Runx2 promotes both osteoblastogenesis and novel osteoclastogenic signals in ST2 mesenchymal progenitor cells. <i>Osteoporosis International</i> , 2012, 23, 1399-1413.	1.3	43
25	Krox20/EGR2 deficiency accelerates cell growth and differentiation in the monocytic lineage and decreases bone mass. <i>Blood</i> , 2010, 116, 3964-3971.	0.6	41
26	Collaborative cross mice in a genetic association study reveal new candidate genes for bone microarchitecture. <i>BMC Genomics</i> , 2015, 16, 1013.	1.2	39
27	Estrogens antagonize RUNX2-mediated osteoblast-driven osteoclastogenesis through regulating RANKL membrane association. <i>Bone</i> , 2015, 75, 96-104.	1.4	39
28	Dextran sodium sulfate-induced colitis causes rapid bone loss in mice. <i>Bone</i> , 2008, 43, 945-950.	1.4	38
29	Microarchitectural Changes in the Aging Skeleton. <i>Current Osteoporosis Reports</i> , 2011, 9, 177-183.	1.5	38
30	Trabecular Bone Gradient in Rat Long Bone Metaphyses: Mathematical Modeling and Application to Morphometric Measurements and Correction of Implant Positioning. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 48-57.	3.1	37
31	Erythropoietin enhances Kupffer cell number and activity in the challenged liver. <i>Scientific Reports</i> , 2017, 7, 10379.	1.6	36
32	New Middle Pleistocene dental remains from Qesem Cave (Israel). <i>Quaternary International</i> , 2016, 398, 148-158.	0.7	34
33	WISP1/CCN4 aggravates cartilage degeneration in experimental osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1900-1911.	0.6	34
34	New approach to quantifying developmental variation in the dentition using serial microtomographic imaging. <i>Microscopy Research and Technique</i> , 2004, 65, 263-269.	1.2	31
35	Intermittently administered parathyroid hormone 1 α reverses bone loss and structural impairment in orchietomized adult rats. <i>Osteoporosis International</i> , 2005, 16, 1436-1443.	1.3	30
36	Human Parathyroid Hormone 1 α Prevents Bone Loss in Experimental Biliary Cirrhosis in Rats. <i>Gastroenterology</i> , 2008, 134, 259-267.	0.6	29

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37	Erythropoietin in bone – Controversies and consensus. <i>Cytokine</i> , 2017, 89, 155-159.	1.4	29
38	The Cannabinoids Effect on Bone Formation and Bone Healing. <i>Current Osteoporosis Reports</i> , 2020, 18, 433-438.	1.5	27
39	Developmentally regulated inhibition of cell cycle progression by glucocorticoids through repression of cyclin a transcription in primary osteoblast cultures. <i>Journal of Cellular Physiology</i> , 2011, 226, 991-998.	2.0	26
40	Skeletal effect of casein and whey protein intake during catch-up growth in young male Sprague–Dawley rats. <i>British Journal of Nutrition</i> , 2016, 116, 59-69.	1.2	23
41	A new device for improving dental implants anchorage: a histological and micro–computed tomography study in the rabbit. <i>Clinical Oral Implants Research</i> , 2016, 27, 935-942.	1.9	23
42	Functional effects of synthetic cannabinoids versus Δ^9 -THC in mice on body temperature, nociceptive threshold, anxiety, cognition, locomotor/exploratory parameters and depression. <i>Addiction Biology</i> , 2019, 24, 414-425.	1.4	23
43	Alterations in <i>Brca1</i> expression in mouse ovarian granulosa cells have short-term and long-term consequences on estrogen-responsive organs. <i>Laboratory Investigation</i> , 2012, 92, 802-811.	1.7	20
44	Engineered Vascularized Flaps, Composed of Polymeric Soft Tissue and Live Bone, Repair Complex Tibial Defects. <i>Advanced Functional Materials</i> , 2021, 31, 2008687.	7.8	19
45	Quantification of in vitro wear of a synthetic meniscus implant using gravimetric and micro-CT measurements. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 49, 310-320.	1.5	18
46	Erythropoietin receptor in B cells plays a role in bone remodeling in mice. <i>Theranostics</i> , 2020, 10, 8744-8756.	4.6	18
47	<i>Magel2</i> Modulates Bone Remodeling and Mass in Prader-Willi Syndrome by Affecting Oleoyl Serine Levels and Activity. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 93-105.	3.1	16
48	Erythropoietin treatment in murine multiple myeloma: immune gain and bone loss. <i>Scientific Reports</i> , 2016, 6, 30998.	1.6	15
49	Estrogens and androgens inhibit association of RANKL with the pre–osteoblast membrane through post–translational mechanisms. <i>Journal of Cellular Physiology</i> , 2017, 232, 3798-3807.	2.0	15
50	The skeletal endocannabinoid system: clinical and experimental insights. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2016, 27, 237-245.	0.7	14
51	Epo/EpoR signaling in osteoprogenitor cells is essential for bone homeostasis and Epo-induced bone loss. <i>Bone Research</i> , 2021, 9, 42.	5.4	14
52	Proportionate Dwarfism in Mice Lacking Heterochromatin Protein 1 Binding Protein 3 (HP1BP3) Is Associated With Alterations in the Endocrine IGF-1 Pathway. <i>Endocrinology</i> , 2015, 156, 4558-4570.	1.4	13
53	Bone loss in C57BL/6– <i>OlaHsd</i> mice, a substrain of C57BL/6J carrying mutated alpha–synuclein and multimerin–1 genes. <i>Journal of Cellular Physiology</i> , 2018, 233, 371-377.	2.0	13
54	Effects of Extracorporeal Shock Wave Therapy on Distraction Osteogenesis in Rat Mandible. <i>Plastic and Reconstructive Surgery</i> , 2018, 142, 1501-1509.	0.7	12

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55	Gender and Age Differences. , 2007, , 195-199.		12
56	Perspective of the GEMSTONE Consortium on Current and Future Approaches to Functional Validation for Skeletal Genetic Disease Using Cellular, Molecular and Animal-Modeling Techniques. <i>Frontiers in Endocrinology</i> , 2021, 12, 731217.	1.5	12
57	Ablation of the mammalian lectin galectin-8 induces bone defects in mice. <i>FASEB Journal</i> , 2018, 32, 2366-2380.	0.2	11
58	Cartilage -specific knockout of Sirt1 significantly reduces bone quality and catch-up growth efficiency. <i>Bone</i> , 2020, 138, 115468.	1.4	10
59	A genome-wide association study in mice reveals a role for Rbdf2 in skeletal homeostasis. <i>Scientific Reports</i> , 2020, 10, 3286.	1.6	10
60	Secreted frizzled related-protein 2 (Sfrp2) deficiency decreases adult skeletal stem cell function in mice. <i>Bone Research</i> , 2021, 9, 49.	5.4	9
61	Erythropoietin Mediated Bone Loss in Mice Is Dose-Dependent and Mostly Irreversible. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3817.	1.8	8
62	Hormone-Independent Sexual Dimorphism in the Regulation of Bone Resorption by Krox20. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 2277-2286.	3.1	7
63	Bone Anabolic Response in the Calvaria Following Mild Traumatic Brain Injury is Mediated by the Cannabinoid-1 Receptor. <i>Scientific Reports</i> , 2019, 9, 16196.	1.6	7
64	Quantification of Osteoclasts in Culture, Powered by Machine Learning. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 674710.	1.8	7
65	Therapeutic Potential of Vasoactive Intestinal Peptide and its Derivative Stearyl-Norleucine-VIP in Inflammation-Induced Osteolysis. <i>Frontiers in Pharmacology</i> , 2021, 12, 638128.	1.6	7
66	Context-Dependent Skeletal Effects of Erythropoietin. <i>Vitamins and Hormones</i> , 2017, 105, 161-179.	0.7	6
67	Estrogens and selective estrogen receptor modulators differentially antagonize Runx2 in ST2 mesenchymal progenitor cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 183, 10-17.	1.2	6
68	Osteogenic growth peptide is a potent anti-inflammatory and bone preserving hormone via cannabinoid receptor type 2. <i>ELife</i> , 0, 11, .	2.8	6
69	Beta Palmitate Improves Bone Length and Quality during Catch-Up Growth in Young Rats. <i>Nutrients</i> , 2017, 9, 764.	1.7	5
70	Anti-CD20-Mediated B Cell Depletion Is Associated With Bone Preservation in Lymphoma Patients and Bone Mass Increase in Mice. <i>Frontiers in Immunology</i> , 2020, 11, 561294.	2.2	5
71	Restrain of bone growth by Estrogen-Mimetic Peptide-1 (EMP-1): A micro-computed tomographic study. <i>Peptides</i> , 2009, 30, 1181-1186.	1.2	4
72	Analytical methodology to measure periodontal bone morphometry following orthodontic tooth movement in mice. <i>European Journal of Orthodontics</i> , 2021, 43, 665-671.	1.1	4

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73	Intrauterine stress induces bone loss in adult offspring of C3H/HeJ mice having high bone mass phenotype but not C57BL/6J mice with low bone mass phenotype. <i>Bone</i> , 2016, 87, 114-119.	1.4	3
74	Renal Proximal Tubule Cell Cannabinoid-1 Receptor Regulates Bone Remodeling and Mass via a Kidney-to-Bone Axis. <i>Cells</i> , 2021, 10, 414.	1.8	3
75	Tibio-Fibular Complex and Knee Joint. , 2007, , 171-181.		3
76	Orthodontic force and extracorporeal shock wave therapy: Assessment of orthodontic tooth movement and bone morphometry in a rat model. <i>Archives of Oral Biology</i> , 2022, 134, 105327.	0.8	3
77	Microcomputed Tomography-Based Analysis of Neovascularization within Bioengineered Vascularized Tissues. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 232-241.	2.6	3
78	Computerized Reconstruction of Prenatal Growth Trajectories in the Dentition: Implications for the Taxonomic Status of Neandertals. <i>Vertebrate Paleobiology and Paleoanthropology</i> , 2011, , 165-173.	0.1	2
79	Nose, Palate and Upper Jaw, Cranium and Tympanic Bulla. , 2007, , 3-26.		2
80	A Validated Method for Titanium Implant Anchorage Analysis using MicroCT and Biomechanical Testing. <i>Advanced Techniques in Biology & Medicine</i> , 2015, 4, .	0.1	2
81	A computerized model for reconstruction of dental ontogeny: A new tool for studying evolutionary trends in the dentition. <i>Vertebrate Paleobiology and Paleoanthropology</i> , 2007, , 275-288.	0.1	2
82	Different Effects of Soy and Whey on Linear Bone Growth and Growth Pattern in Young Male Sprague-Dawley Rats. <i>Frontiers in Nutrition</i> , 2021, 8, 739607.	1.6	2
83	Femur and Hip Joint. , 2007, , 161-169.		1
84	Transdifferentiation of Bone Marrow Pro-B Cells into Bone-Resorbing Osteoclasts- an Unexpected Role for Erythropoietin. <i>Blood</i> , 2016, 128, 5043-5043.	0.6	1
85	The Non-Erythropoietic EPO Analogue Cibinetide Inhibits Osteoclastogenesis In Vitro and Increases Bone Mineral Density in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 55.	1.8	1
86	<i>S</i> -allylmercapto- <i>N</i> -acetylcysteine protects bone cells from oxidation and improves femur microarchitecture in healthy and diabetic mice. <i>Experimental Biology and Medicine</i> , 2022, 247, 1489-1500.	1.1	1
87	Skeletal anabolic activity of cannabinoid receptor agonists. <i>Bone</i> , 2009, 44, S36.	1.4	0
88	Pharmacological B Cell Depletion by Anti-CD20 Antibody Induces Trabecular Bone Loss in Mice. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2017, 17, S377-S378.	0.2	0
89	Evaluation of the long-term skeletal effect induced by teratogen 5-aza-2â€²deoxycytidine on offspring of high (C3H/HeJ) and low (C57BL/6J) bone mass phenotype mice. <i>Bone Reports</i> , 2018, 8, 239-243.	0.2	0
90	Editorial: Developmental Biology and Regulation of Osteoclasts. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 769320.	1.8	0

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91	Hyoid, Mandible, and Temporo-Mandibular Joint. , 2007, , 27-38.		0
92	Forearm (Ulna, Radius, and Elbow Joint). , 2007, , 131-144.		0
93	Abstract 3279: Potential beneficial effects of the BRCA1 mutation carrier state on bone strength. , 2012, , .		0
94	Erythropoietin Potentiates The Immune System Yet Induces Bone Resorption In a Myeloma Mouse Model. Blood, 2013, 122, 1849-1849.	0.6	0
95	Erythropoietin Stimulates Bone Resorption Via Direct Activation of the Monocytic Lineage and Via Increased RANKL Production By B Cells and Osteoblasts. Blood, 2014, 124, 247-247.	0.6	0
96	Compensatory Mechanisms In Mouse Offspring With Inherently Weak Bones Are Suggesting A Gene-By-Environment Interaction In Utero. FASEB Journal, 2015, 29, LB27.	0.2	0
97	Recombinant Erythropoietin and Darbepoetin Alpha Exert a Similar Dose-Dependent Osteopenic Effect Which May Advocate for "Start Low, Go Slow" Dosing Strategy in Clinical Practice. Blood, 2016, 128, 2445-2445.	0.6	0
98	Erythropoietin (EPO) Regulates Bone Mass Via EPO Receptors on Myeloid and Lymphocytic Cells. Blood, 2018, 132, 846-846.	0.6	0
99	B Cell Specific Knockdown of the Erythropoietin (EPO) Receptor Attenuates EPO-Induced Bone Loss in Mice. Blood, 2019, 134, 939-939.	0.6	0
100	Engineered Vascularized Flaps, Composed of Polymeric Soft Tissue and Live Bone, Repair Complex Tibial Defects (Adv. Funct. Mater. 44/2021). Advanced Functional Materials, 2021, 31, 2170325.	7.8	0
101	The Balance between Orthodontic Force and Radiation in the Jawbone: Microstructural, Histological, and Molecular Study in a Rat Model. Biology, 2021, 10, 1203.	1.3	0
102	The Non-Erythropoietic EPO Analogue (Cibinetide) Preserves Bone Mass in Mice. Blood, 2021, 138, 850-850.	0.6	0
103	Anti-CD20-Mediated B Cell Depletion Is Associated with Reduced Osteoclastogenic Signals and Bone Mass Preservation: Clinical Observation in Patients with Follicular Lymphoma Supplemented By Animal Studies in a Murine Model. Blood, 2020, 136, 13-13.	0.6	0