Yankel Gabet

List of Publications by Citations

91 papers	2,282 citations	29 h-index	46 g-index
112 ext. papers	2,690 ext. citations	5.4 avg, IF	4.55 L-index

#	Paper	IF	Citations
91	Involvement of neuronal cannabinoid receptor CB1 in regulation of bone mass and bone remodeling. *Molecular Pharmacology*, **2006**, 70, 786-92	4.3	121
90	Prediction of fracture callus mechanical properties using micro-CT images and voxel-based finite element analysis. *Bone*, **2005**, 36, 480-8	4.7	120
89	Runx2 transcriptome of prostate cancer cells: insights into invasiveness and bone metastasis. *Molecular Cancer*, **2010**, 9, 258	42.1	119
88	Regulation of adult bone turnover by sex steroids. *Journal of Cellular Physiology*, **2010**, 224, 305-10	7	110
87	Intermittent recombinant TSH injections prevent ovariectomy-induced bone loss. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 4289-94	11.5	102
86	Parathyroid hormone 1-34 enhances titanium implant anchorage in low-density trabecular bone: a correlative micro-computed tomographic and biomechanical analysis. *Bone*, **2006**, 39, 276-82	4.7	96
85	Osteogenic growth peptide modulates fracture callus structural and mechanical properties. *Bone*, **2004**, 35, 65-73	4.7	94
84	Transplanted blood-derived endothelial progenitor cells (EPC) enhance bridging of sheep tibia critical size defects. *Bone*, **2009**, 45, 918-24	4.7	78
83	Modulation of Runx2 activity by estrogen receptor-alpha: implications for osteoporosis and breast cancer. *Endocrinology*, **2008**, 149, 5984-95	4.8	77
82	Erythropoietin directly stimulates osteoclast precursors and induces bone loss. *FASEB Journal*, **2015**, 29, 1890-900	0.9	71
81	Three-dimensional quantification of alveolar bone loss in Porphyromonas gingivalis-infected mice using micro-computed tomography. *Journal of Periodontology*, **2005**, 76, 1282-6	4.6	71
80	Enhancer methylation dynamics contribute to cancer plasticity and patient mortality. *Genome Research*, **2016**, 26, 601-11	9.7	67
79	Mechanism and Prevention of Titanium Particle-Induced Inflammation and Osteolysis. *Frontiers in Immunology*, **2018**, 9, 2963	8.4	60
78	Endosseous implant anchorage is critically dependent on mechanostructural determinants of peri-implant bone trabeculae. *Journal of Bone and Mineral Research*, **2010**, 25, 575-83	6.3	56
77	Heparanase is expressed in osteoblastic cells and stimulates bone formation and bone mass. *Journal of Cellular Physiology*, **2006**, 207, 784-92	7	48
76	Lef1 haploinsufficient mice display a low turnover and low bone mass phenotype in a gender- and age-specific manner. *PLoS ONE*, **2009**, 4, e5438	3.7	47
75	Increased EPO Levels Are Associated With Bone Loss in Mice Lacking PHD2 in EPO-Producing Cells. *Journal of Bone and Mineral Research*, **2016**, 31, 1877-1887	6.3	46

74	Scaling of titanium implants entrains inflammation-induced osteolysis. *Scientific Reports*, **2017**, 7, 39612	4.9	44
73	The Sirtuin1 activator SRT3025 down-regulates sclerostin and rescues ovariectomy-induced bone loss and biomechanical deterioration in female mice. *Endocrinology*, **2014**, 155, 3508-15	4.8	44
72	Statins enhance rotator cuff healing by stimulating the COX2/PGE2/EP4 pathway: an in vivo and in vitro study. *American Journal of Sports Medicine*, **2014**, 42, 2869-76	6.8	39
71	Cannabidiol, a Major Non-Psychotropic Cannabis Constituent Enhances Fracture Healing and Stimulates Lysyl Hydroxylase Activity in Osteoblasts. *Journal of Bone and Mineral Research*, **2015**, 30, 1905-13	6.3	37
70	Runx2 promotes both osteoblastogenesis and novel osteoclastogenic signals in ST2 mesenchymal progenitor cells. *Osteoporosis International*, **2012**, 23, 1399-413	5.3	37
69	Micro-Tomographic Atlas of the Mouse Skeleton **2007**,		37
68	Premature primary tooth eruption in cognitive/motor-delayed ADNP-mutated children. *Translational Psychiatry*, **2017**, 7, e1043	8.6	35
67	Estrogens antagonize RUNX2-mediated osteoblast-driven osteoclastogenesis through regulating RANKL membrane association. *Bone*, **2015**, 75, 96-104	4.7	34
66	Trabecular bone gradient in rat long bone metaphyses: mathematical modeling and application to morphometric measurements and correction of implant positioning. *Journal of Bone and Mineral Research*, **2008**, 23, 48-57	6.3	33
65	Krox20/EGR2 deficiency accelerates cell growth and differentiation in the monocytic lineage and decreases bone mass. *Blood*, **2010**, 116, 3964-71	2.2	32
64	New Middle Pleistocene dental remains from Qesem Cave (Israel). *Quaternary International*, **2016**, 398, 148-158	2	31
63	Microarchitectural changes in the aging skeleton. *Current Osteoporosis Reports*, **2011**, 9, 177-83	5.4	31
62	Collaborative cross mice in a genetic association study reveal new candidate genes for bone microarchitecture. *BMC Genomics*, **2015**, 16, 1013	4.5	29
61	Dextran sodium sulfate-induced colitis causes rapid bone loss in mice. *Bone*, **2008**, 43, 945-50	4.7	29
60	Human parathyroid hormone 1-34 prevents bone loss in experimental biliary cirrhosis in rats. *Gastroenterology*, **2008**, 134, 259-67	13.3	27
59	Intermittently administered parathyroid hormone 1-34 reverses bone loss and structural impairment in orchiectomized adult rats. *Osteoporosis International*, **2005**, 16, 1436-43	5.3	27
58	WISP1/CCN4 aggravates cartilage degeneration in experimental osteoarthritis. *Osteoarthritis and Cartilage*, **2017**, 25, 1900-1911	6.2	26
57	New approach to quantifying developmental variation in the dentition using serial microtomographic imaging. *Microscopy Research and Technique*, **2004**, 65, 263-9	2.8	25

56	Developmentally regulated inhibition of cell cycle progression by glucocorticoids through repression of cyclin A transcription in primary osteoblast cultures. *Journal of Cellular Physiology*, **2011**, 226, 991-8	7	22
55	Skeletal effect of casein and whey protein intake during catch-up growth in young male Sprague-Dawley rats. *British Journal of Nutrition*, **2016**, 116, 59-69	3.6	20
54	Erythropoietin in bone - Controversies and consensus. *Cytokine*, **2017**, 89, 155-159	4	18
53	Erythropoietin enhances Kupffer cell number and activity in the challenged liver. *Scientific Reports*, **2017**, 7, 10379	4.9	18
52	Alterations in Brca1 expression in mouse ovarian granulosa cells have short-term and long-term consequences on estrogen-responsive organs. *Laboratory Investigation*, **2012**, 92, 802-11	5.9	18
51	Quantification of in vitro wear of a synthetic meniscus implant using gravimetric and micro-CT measurements. *Journal of the Mechanical Behavior of Biomedical Materials*, **2015**, 49, 310-20	4.1	14
50	A new device for improving dental implants anchorage: a histological and micro-computed tomography study in the rabbit. *Clinical Oral Implants Research*, **2016**, 27, 935-42	4.8	14
49	Erythropoietin treatment in murine multiple myeloma: immune gain and bone loss. *Scientific Reports*, **2016**, 6, 30998	4.9	13
48	Estrogens and androgens inhibit association of RANKL with the pre-osteoblast membrane through post-translational mechanisms. *Journal of Cellular Physiology*, **2017**, 232, 3798-3807	7	12
47	Proportionate Dwarfism in Mice Lacking Heterochromatin Protein 1 Binding Protein 3 (HP1BP3) Is Associated With Alterations in the Endocrine IGF-1 Pathway. *Endocrinology*, **2015**, 156, 4558-70	4.8	12
46	Functional effects of synthetic cannabinoids versus ⊟THC in mice on body temperature, nociceptive threshold, anxiety, cognition, locomotor/exploratory parameters and depression. *Addiction Biology*, **2019**, 24, 414-425	4.6	12
45	Erythropoietin receptor in B cells plays a role in bone remodeling in mice. *Theranostics*, **2020**, 10, 8744-8756	12.1	10
44	Magel2 Modulates Bone Remodeling and Mass in Prader-Willi Syndrome by Affecting Oleoyl Serine Levels and Activity. *Journal of Bone and Mineral Research*, **2019**, 34, 93-105	6.3	10
43	The skeletal endocannabinoid system: clinical and experimental insights. *Journal of Basic and Clinical Physiology and Pharmacology*, **2016**, 27, 237-45	1.6	9
42	Ablation of the mammalian lectin galectin-8 induces bone defects in mice. *FASEB Journal*, **2018**, 32, 2366-2380	5.9	9
41	Bone loss in C57BL/6J-OlaHsd mice, a substrain of C57BL/6J carrying mutated alpha-synuclein and multimerin-1 genes. *Journal of Cellular Physiology*, **2018**, 233, 371-377	7	8
40	Engineered Vascularized Flaps, Composed of Polymeric Soft Tissue and Live Bone, Repair Complex Tibial Defects. *Advanced Functional Materials*,2008687	15.6	8
39	The Cannabinoids Effect on Bone Formation and Bone Healing. *Current Osteoporosis Reports*, **2020**, 18, 433-438	5.4	6

38	A genome-wide association study in mice reveals a role for Rhbdf2 in skeletal homeostasis. *Scientific Reports*, **2020**, 10, 3286	4.9	5
37	Bone Anabolic Response in the Calvaria Following Mild Traumatic Brain Injury is Mediated by the Cannabinoid-1 Receptor. *Scientific Reports*, **2019**, 9, 16196	4.9	5
36	Effects of Extracorporeal Shock Wave Therapy on Distraction Osteogenesis in Rat Mandible. *Plastic and Reconstructive Surgery*, **2018**, 142, 1501-1509	2.7	5
35	Erythropoietin Mediated Bone Loss in Mice Is Dose-Dependent and Mostly Irreversible. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
34	Cartilage -specific knockout of Sirt1 significantly reduces bone quality and catch-up growth efficiency. *Bone*, **2020**, 138, 115468	4.7	4
33	Hormone-Independent Sexual Dimorphism in the Regulation of Bone Resorption by Krox20. *Journal of Bone and Mineral Research*, **2019**, 34, 2277-2286	6.3	4
32	Restrain of bone growth by estrogen-mimetic peptide-1 (EMP-1): a micro-computed tomographic study. *Peptides*, **2009**, 30, 1181-6	3.8	4
31	Gender and Age Differences **2007**, 195-199		4
30	Context-Dependent Skeletal Effects of Erythropoietin. *Vitamins and Hormones*, **2017**, 105, 161-179	2.5	3
29	Estrogens and selective estrogen receptor modulators differentially antagonize Runx2 in ST2 mesenchymal progenitor cells. *Journal of Steroid Biochemistry and Molecular Biology*, **2018**, 183, 10-17	5.1	3
28	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. *Bone*, **2016**, 87, 114-9	4.7	3
27	Epo/EpoR signaling in osteoprogenitor cells is essential for bone homeostasis and Epo-induced bone loss. *Bone Research*, **2021**, 9, 42	13.3	3
26	Tibio-Fibular Complex and Knee Joint **2007**, 171-181		3
25	A Validated Method for Titanium Implant Anchorage Analysis using MicroCT and Biomechanical Testing. *Advanced Techniques in Biology & Medicine*, **2015**, 4,		2
24	Analytical methodology to measure periodontal bone morphometry following orthodontic tooth movement in mice. *European Journal of Orthodontics*, **2021**, 43, 665-671	3.3	2
23	Nose, Palate and Upper Jaw, Cranium and Tympanic Bulla **2007**, 3-26		2
22	Secreted frizzled related-protein 2 (Sfrp2) deficiency decreases adult skeletal stem cell function in mice. *Bone Research*, **2021**, 9, 49	13.3	2
21	Microcomputed Tomography-Based Analysis of Neovascularization within Bioengineered Vascularized Tissues.. *ACS Biomaterials Science and Engineering*, **2021**,	5.5	2

20	Beta Palmitate Improves Bone Length and Quality during Catch-Up Growth in Young Rats. *Nutrients* , **2017**, 9,	6.7	1
19	Computerized Reconstruction of Prenatal Growth Trajectories in the Dentition: Implications for the Taxonomic Status of Neandertals. *Vertebrate Paleobiology and Paleoanthropology*, **2011**, 165-173	0.8	1
18	Different Effects of Soy and Whey on Linear Bone Growth and Growth Pattern in Young Male Sprague-Dawley Rats.. *Frontiers in Nutrition*, **2021**, 8, 739607	6.2	1
17	Perspective of the GEMSTONE Consortium on Current and Future Approaches to Functional Validation for Skeletal Genetic Disease Using Cellular, Molecular and Animal-Modeling Techniques.. *Frontiers in Endocrinology*, **2021**, 12, 731217	5.7	1
16	Transdifferentiation of Bone Marrow Pro-B Cells into Bone-Resorbing Osteoclasts- an Unexpected Role for Erythropoietin. *Blood*, **2016**, 128, 5043-5043	2.2	1
15	Anti-CD20-Mediated B Cell Depletion Is Associated With Bone Preservation in Lymphoma Patients and Bone Mass Increase in Mice. *Frontiers in Immunology*, **2020**, 11, 561294	8.4	1
14	Therapeutic Potential of Vasoactive Intestinal Peptide and its Derivative Stearyl-Norleucine-VIP in Inflammation-Induced Osteolysis. *Frontiers in Pharmacology*, **2021**, 12, 638128	5.6	1
13	Orthodontic force and extracorporeal shock wave therapy: Assessment of orthodontic tooth movement and bone morphometry in a rat model. *Archives of Oral Biology*, **2021**, 134, 105327	2.8	0
12	Quantification of Osteoclasts in Culture, Powered by Machine Learning. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 674710	5.7	0
11	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	2.2	
10	The Non-Erythropoietic EPO Analogue (Cibinetide) Preserves Bone Mass in Mice. *Blood*, **2021**, 138, 850-850	2.2	
9	A computerized model for reconstruction of dental ontogeny: A new tool for studying evolutionary trends in the dentition. *Vertebrate Paleobiology and Paleoanthropology*, **2007**, 275-288	0.8	
8	Erythropoietin (EPO) Regulates Bone Mass Via EPO Receptors on Myeloid and Lymphocytic Cells. *Blood*, **2018**, 132, 846-846	2.2	
7	B Cell Specific Knockdown of the Erythropoietin (EPO) Receptor Attenuates EPO-Induced Bone Loss in Mice. *Blood*, **2019**, 134, 939-939	2.2	
6	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	15.6	
5	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	2.2	
4	Compensatory Mechanisms In Mouse Offspring With Inherently Weak Bones Are Suggesting A Gene-By-Environment Interaction In Utero. *FASEB Journal*, **2015**, 29, LB27	0.9	
3	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	2.2	

2	Erythropoietin Potentiates The Immune System Yet Induces Bone Resorption In a Myeloma Mouse Model. *Blood*, **2013**, 122, 1849-1849	2.2
1	Evaluation of the long-term skeletal effect induced by teratogen 5-aza-2′-deoxycytidine on offspring of high (C3H/HeJ) and low (C57BL/6J) bone mass phenotype mice. *Bone Reports*, **2018**, 8, 239-243	2.6