

# Michael Amling

## List of Publications by Year in descending order

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159  
papers

5,594  
citations

101496

36  
h-index

95218

68  
g-index

159  
all docs

159  
docs citations

159  
times ranked

6866  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disuse Osteoporosis: Clinical and Mechanistic Insights. <i>Calcified Tissue International</i> , 2022, 110, 592-604.	1.5	64
2	The Bone Microarchitecture Deficit in Patients with Hemophilia Is Influenced by Arthropathy, Hepatitis C Infection, and Physical Activity. <i>Thrombosis and Haemostasis</i> , 2022, 122, 692-702.	1.8	1
3	Influence of X-rays and gamma-rays on the mechanical performance of human bone factoring out intraindividual bone structure and composition indices. <i>Materials Today Bio</i> , 2022, 13, 100169.	2.6	5
4	Investigation of distal femur microarchitecture and factors influencing its deterioration: An ex vivo high-resolution peripheral quantitative computed tomography study. <i>Journal of Orthopaedic Research</i> , 2022, , .	1.2	1
5	Impaired bone quality in the superolateral femoral neck occurs independent of hip geometry and bone mineral density. <i>Acta Biomaterialia</i> , 2022, 141, 233-243.	4.1	7
6	Procalcitonin is expressed in osteoblasts and limits bone resorption through inhibition of macrophage migration during intermittent PTH treatment. <i>Bone Research</i> , 2022, 10, 9.	5.4	9
7	Blast injury on harbour porpoises ( <i>Phocoena phocoena</i> ) from the Baltic Sea after explosions of deposits of World War II ammunition. <i>Environment International</i> , 2022, 159, 107014.	4.8	18
8	Spine Metastases in Immunocompromised Mice after Intracardiac Injection of MDA-MB-231-SCP2 Breast Cancer Cells. <i>Cancers</i> , 2022, 14, 556.	1.7	2
9	Clinical features of methotrexate osteopathy in rheumatic musculoskeletal disease: A systematic review. <i>Seminars in Arthritis and Rheumatism</i> , 2022, 52, 151952.	1.6	10
10	Systemic calcitonin gene-related peptide receptor antagonism decreases survival in a porcine model of polymicrobial sepsis: blinded randomised controlled trial. <i>British Journal of Anaesthesia</i> , 2022, 128, 864-873.	1.5	9
11	Compartment-specific effects of muscle strength on bone microarchitecture in women at high risk of osteoporosis. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 2310-2321.	2.9	12
12	Clinical and Radiological Characterization of Patients with Immobilizing and Progressive Stress Fractures in Methotrexate Osteopathy. <i>Calcified Tissue International</i> , 2021, 108, 219-230.	1.5	11
13	Bilateral Looser zones or pseudofractures in the anteromedial tibia as a component of medial tibial stress syndrome in athletes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 1644-1650.	2.3	2
14	Genotype-Phenotype Associations in 72 Adults with Suspected ALPL-Associated Hypophosphatasia. <i>Calcified Tissue International</i> , 2021, 108, 288-301.	1.5	16
15	Role of c-Fos in orthodontic tooth movement: an in vivo study using transgenic mice. <i>Clinical Oral Investigations</i> , 2021, 25, 593-601.	1.4	3
16	Diagnostic yield of cone beam computed tomography for small foreign body detection in the hand in comparison with radiography, MSCT and MRI: an ex vivo study. <i>Injury</i> , 2021, 52, 2841-2847.	0.7	3
17	Transgenic inhibition of interleukin-6 trans-signaling does not prevent skeletal pathologies in mucopolidosis type II mice. <i>Scientific Reports</i> , 2021, 11, 3556.	1.6	1
18	Variability in stem taper surface topography affects the degree of corrosion and fretting in total hip arthroplasty. <i>Scientific Reports</i> , 2021, 11, 9348.	1.6	10

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19	Allograft Chip Incorporation in Acetabular Reconstruction. Journal of Bone and Joint Surgery - Series A, 2021, 103, 1996-2005.	1.4	7
20	Evaluation of postural stability in patients screened for osteoporosis: A retrospective study of 1086 cases. Gait and Posture, 2021, 88, 304-310.	0.6	7
21	Pathogenic variants in GNPTAB and GNPTG encoding distinct subunits of GlcNAc-1-phosphotransferase differentially impact bone resorption in patients with mucopolidiosis type II and III. Genetics in Medicine, 2021, 23, 2369-2377.	1.1	2
22	Bone microarchitecture of the distal fibula assessed by HR-pQCT. Bone, 2021, 151, 116057.	1.4	4
23	Collagen Fiber Orientation Is Coupled with Specific Nano-Compositional Patterns in <i>Dark</i> and <i>Bright</i> Osteons Modulating Their Biomechanical Properties. ACS Nano, 2021, 15, 455-467.	7.3	28
24	Prevalence of low alkaline phosphatase activity in laboratory assessment: Is hypophosphatasia an underdiagnosed disease?. Orphanet Journal of Rare Diseases, 2021, 16, 452.	1.2	14
25	Decreased Trabecular Bone Mass in Col22a1-Deficient Mice. Cells, 2021, 10, 3020.	1.8	5
26	Procalcitonin Exerts a Mediator Role in Septic Shock Through the Calcitonin Gene-Related Peptide Receptor. Critical Care Medicine, 2021, 49, e41-e52.	0.4	15
27	The WNT1G177C mutation specifically affects skeletal integrity in a mouse model of osteogenesis imperfecta type XV. Bone Research, 2021, 9, 48.	5.4	13
28	Osteoblast-specific inactivation of p53 results in locally increased bone formation. PLoS ONE, 2021, 16, e0249894.	1.1	3
29	A System to Determine Risk of Osteoporosis in Patients With Autoimmune Hepatitis. Clinical Gastroenterology and Hepatology, 2020, 18, 226-233.e3.	2.4	15
30	Human Heterozygous ENPP1 Deficiency Is Associated With Early Onset Osteoporosis, a Phenotype Recapitulated in a Mouse Model of Enpp1 Deficiency. Journal of Bone and Mineral Research, 2020, 35, 528-539.	3.1	40
31	Mice lacking plastin-3 display a specific defect of cortical bone acquisition. Bone, 2020, 130, 115062.	1.4	20
32	Whole-Exome Sequencing Identifies Novel Compound Heterozygous ZNF469 Mutations in Two Siblings with Mild Brittle Cornea Syndrome. Calcified Tissue International, 2020, 107, 294-299.	1.5	11
33	Individuals with type 2 diabetes mellitus show dimorphic and heterogeneous patterns of loss in femoral bone quality. Bone, 2020, 140, 115556.	1.4	28
34	Variation in skull bone mineral density of ringed seals ( <i>Phoca hispida</i> ) from the Gulf of Bothnia and West Greenland between 1829 and 2019. Environment International, 2020, 143, 105968.	4.8	5
35	Mice Carrying a Ubiquitous <i>R235W</i> Mutation of <i>Wnt1</i> Display a Bone-Specific Phenotype. Journal of Bone and Mineral Research, 2020, 35, 1726-1737.	3.1	8
36	Gnathodiaphyseal dysplasia is not recapitulated in a respective mouse model carrying a mutation of the <i>Ano5</i> gene. Bone Reports, 2020, 12, 100281.	0.2	3

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37	Large osteocyte lacunae in iliac crest infantile bone are not associated with impaired mineral distribution or signs of osteocytic osteolysis. <i>Bone</i> , 2020, 135, 115324.	1.4	20
38	Radiological and Histopathological Features of Internal Tooth Resorption. <i>In Vivo</i> , 2020, 34, 1875-1882.	0.6	5
39	Adult Osteosclerotic Metaphyseal Dysplasia With Progressive Osteonecrosis of the Jaws and Abnormal Bone Resorption Pattern Due to a <i>LRRK1</i> Splice Site Mutation. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1322-1332.	3.1	18
40	Modeling Spontaneous Bone Metastasis Formation of Solid Human Tumor Xenografts in Mice. <i>Cancers</i> , 2020, 12, 385.	1.7	14
41	Impaired Bone Microarchitecture in Patients with Hereditary Hemochromatosis and Skeletal Complications. <i>Calcified Tissue International</i> , 2020, 106, 465-475.	1.5	19
42	Long-Term Immobilization in Elderly Females Causes a Specific Pattern of Cortical Bone and Osteocyte Deterioration Different From Postmenopausal Osteoporosis. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1343-1351.	3.1	47
43	Multiscale bone quality analysis in osteoarthritic knee joints reveal a role of the mechanosensory osteocyte network in osteophytes. <i>Scientific Reports</i> , 2020, 10, 673.	1.6	10
44	Enzyme replacement therapy in mice lacking arylsulfatase B targets bone-remodeling cells, but not chondrocytes. <i>Human Molecular Genetics</i> , 2020, 29, 803-816.	1.4	15
45	Piezo1 Inactivation in Chondrocytes Impairs Trabecular Bone Formation. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 369-384.	3.1	55
46	Clinical Phenotype and Relevance of LRP5 and LRP6 Variants in Patients With Early-Onset Osteoporosis (EOOP). <i>Journal of Bone and Mineral Research</i> , 2020, 36, 271-282.	3.1	32
47	Bone microarchitecture in patients with autoimmune hepatitis. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1316-1325.	3.1	3
48	Compound Heterozygous Frameshift Mutations in <i>MESD</i> Cause a Lethal Syndrome Suggestive of Osteogenesis Imperfecta Type XX. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1077-1087.	3.1	12
49	Conductive Hearing Loss in the <i>Hyp</i> Mouse Model of X-Linked Hypophosphatemia Is Accompanied by Hypomineralization of the Auditory Ossicles. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 2317-2328.	3.1	8
50	Primary intraosseous meningioma: clinical, histological, and differential diagnostic aspects. <i>Journal of Neurosurgery</i> , 2020, 133, 281-290.	0.9	14
51	Accelerated tooth movement in <i>Rsk2</i> -deficient mice with impaired cementum formation. <i>International Journal of Oral Science</i> , 2020, 12, 35.	3.6	4
52	Clinical Spectrum of Hereditary Hypophosphatemic Rickets With Hypercalciuria (HHRH). <i>Journal of Bone and Mineral Research</i> , 2020, 37, 1580-1591.	3.1	5
53	Bisphosphonate treatment changes regional distribution of trabecular microstructure in human lumbar vertebrae. <i>Bone</i> , 2019, 127, 482-487.	1.4	4
54	Biomimetics: On the Origins of Fracture Toughness in Advanced Teleosts: How the Swordfish Sword's Bone Structure and Composition Allow for Slashing under Water to Kill or Stun Prey ( <i>Adv. Sci.</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57</i>		

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55	Intra-articular osteoid osteoma accompanied by extensive bone marrow edema. A clinical and micro-morphological analysis. <i>Journal of Bone Oncology</i> , 2019, 18, 100256.	1.0	9
56	Osteoblast-specific expression of Panx3 is dispensable for postnatal bone remodeling. <i>Bone</i> , 2019, 127, 155-163.	1.4	7
57	Recovery of bone mineralization and quality during asfotase alfa treatment in an adult patient with infantile-onset hypophosphatasia. <i>Bone</i> , 2019, 127, 67-74.	1.4	29
58	On the Origins of Fracture Toughness in Advanced Teleosts: How the Swordfish Sword's Bone Structure and Composition Allow for Slashing under Water to Kill or Stun Prey. <i>Advanced Science</i> , 2019, 6, 1900287.	5.6	14
59	Mechanical Competence and Bone Quality Develop During Skeletal Growth. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1461-1472.	3.1	41
60	Subregional areal bone mineral density (aBMD) is a better predictor of heterogeneity in trabecular microstructure of vertebrae in young and aged women than subregional trabecular bone score (TBS). <i>Bone</i> , 2019, 122, 156-165.	1.4	10
61	Evaluation of long-term functional donor-site morbidity after deep circumflex iliac crest artery bone flap harvest. <i>Microsurgery</i> , 2019, 39, 304-309.	0.6	18
62	Osteoid Osteoma of the Mandible – Clinical and Histological Findings. <i>Anticancer Research</i> , 2019, 39, 291-296.	0.5	9
63	Th17 cell frequency is associated with low bone mass in primary sclerosing cholangitis. <i>Journal of Hepatology</i> , 2019, 70, 941-953.	1.8	27
64	Lrp1 in osteoblasts controls osteoclast activity and protects against osteoporosis by limiting PDGF-RANKL signaling. <i>Bone Research</i> , 2018, 6, 4.	5.4	45
65	Increased mechanical loading through controlled swimming exercise induces bone formation and mineralization in adult zebrafish. <i>Scientific Reports</i> , 2018, 8, 3646.	1.6	81
66	Disease Duration and Stage Influence Bone Microstructure in Patients With Primary Biliary Cholangitis. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1011-1019.	3.1	20
67	Inter-site variability of the osteocyte lacunar network in the cortical bone underpins fracture susceptibility of the superolateral femoral neck. <i>Bone</i> , 2018, 112, 187-193.	1.4	15
68	Pulmonary cement embolism is not associated with the cause of death in a post-mortem cohort of cement-augmented interventions in the spine. <i>European Spine Journal</i> , 2018, 27, 2593-2601.	1.0	10
69	Early bone tissue aging in human auditory ossicles is accompanied by excessive hypermineralization, osteocyte death and micropetrosis. <i>Scientific Reports</i> , 2018, 8, 1920.	1.6	40
70	Skeletal dissemination in Paget's disease of the spine. <i>European Spine Journal</i> , 2018, 27, 453-457.	1.0	3
71	Inhibition of bone resorption by bisphosphonates interferes with orthodontically induced midpalatal suture expansion in mice. <i>Clinical Oral Investigations</i> , 2018, 22, 2345-2351.	1.4	8
72	Bone tissue aging affects mineralization of cement lines. <i>Bone</i> , 2018, 110, 187-193.	1.4	45

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73	Cementum as a source of DNA in challenging forensic cases. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2018, 54, 76-81.	0.5	18
74	Functional donor site morbidity longer than one year after fibula free flap: A prospective biomechanical analysis. <i>Microsurgery</i> , 2018, 38, 395-401.	0.6	20
75	Periosteal chondroma of the cuboid with secondary aneurysmal bone cyst in a setting of secondary hyperparathyroidism. <i>Foot and Ankle Surgery</i> , 2018, 24, 71-75.	0.8	2
76	Clinical Significance of DXA and HR-pQCT in Autosomal Dominant Osteopetrosis (ADO II). <i>Calcified Tissue International</i> , 2018, 102, 41-52.	1.5	9
77	High Bone Turnover in Mice Carrying a Pathogenic Notch2 Mutation Causing Hajdu-Cheney Syndrome. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 70-83.	3.1	22
78	Clinical and Microstructural Findings in Paget Disease of the Entire Mandible. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018, 76, 336-346.	0.5	3
79	Is centrally induced alveolar bone loss in a large animal model preventable by peripheral hormone substitution?. <i>Clinical Oral Investigations</i> , 2018, 22, 495-503.	1.4	2
80	Ultra-high matrix mineralization of sperm whale auditory ossicles facilitates high sound pressure and high-frequency underwater hearing. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181820.	1.2	13
81	Wnt1 is an Lrp5-independent bone-anabolic Wnt ligand. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	66
82	Cellular Mechanisms Responsible for Success and Failure of Bone Substitute Materials. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2893.	1.8	41
83	Comparison of Bone Microarchitecture Between Adult Osteogenesis Imperfecta and Early-Onset Osteoporosis. <i>Calcified Tissue International</i> , 2018, 103, 512-521.	1.5	29
84	The Lysosomal Protein Arylsulfatase B Is a Key Enzyme Involved in Skeletal Turnover. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 2186-2201.	3.1	26
85	Low physical performance determined by chair rising test muscle mechanography is associated with prevalent fragility fractures. <i>Archives of Osteoporosis</i> , 2018, 13, 71.	1.0	12
86	A retrospective analysis of bone mineral status in patients requiring spinal surgery. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 53.	0.8	26
87	Bone microarchitecture of the tibial plateau in skeletal health and osteoporosis. <i>Knee</i> , 2018, 25, 559-567.	0.8	22
88	Incorporation and Remodeling of Structural Allografts in Acetabular Reconstruction. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 1406-1415.	1.4	16
89	Impaired proteoglycan glycosylation, elevated TGF- $\beta$ 2 signaling, and abnormal osteoblast differentiation as the basis for bone fragility in a mouse model for gerodermia osteodysplastica. <i>PLoS Genetics</i> , 2018, 14, e1007242.	1.5	36
90	Cobalt deposition in mineralized bone tissue after metal-on-metal hip resurfacing: Quantitative $^{57}\text{Fe}$ -X-ray-fluorescence analysis of implant material incorporation in periprosthetic tissue. , 2017, 105, 1855-1862.		5

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91	Denosumab is effective in the treatment of bone marrow oedema syndrome. <i>Injury</i> , 2017, 48, 874-879.	0.7	36
92	Association between regional heterogeneity in the midfacial bone microarchitecture and increased fragility along Le Fort lines. <i>Dental Traumatology</i> , 2017, 33, 300-306.	0.8	2
93	Region-dependent patterns of trabecular bone growth in the human proximal femur: A study of 3D bone microarchitecture from early postnatal to late childhood period. <i>American Journal of Physical Anthropology</i> , 2017, 164, 281-291.	2.1	24
94	Economic evaluation of vitamin D and calcium food fortification for fracture prevention in Germany. <i>Public Health Nutrition</i> , 2017, 20, 1874-1883.	1.1	24
95	Sheep model for osteoporosis: The effects of peripheral hormone therapy on centrally induced systemic bone loss in an osteoporotic sheep model. <i>Injury</i> , 2017, 48, 841-848.	0.7	8
96	Denosumab in bone marrow oedema syndrome. Response to Letter to the Editor of <i>Injury</i> . <i>Injury</i> , 2017, 48, 2368.	0.7	1
97	Changes in cortical microarchitecture are independent of areal bone mineral density in patients with fragility fractures. <i>Injury</i> , 2017, 48, 2461-2465.	0.7	12
98	Mast Cells Are Critical Regulators of Bone Fracture-Induced Inflammation and Osteoclast Formation and Activity. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 2431-2444.	3.1	64
99	Severe bone loss and multiple fractures in SCN8A-related epileptic encephalopathy. <i>Bone</i> , 2017, 103, 136-143.	1.4	11
100	Vertebral bone microarchitecture and osteocyte characteristics of three toothed whale species with varying diving behaviour. <i>Scientific Reports</i> , 2017, 7, 1604.	1.6	18
101	Vitamin D regulates osteocyte survival and perilacunar remodeling in human and murine bone. <i>Bone</i> , 2017, 103, 78-87.	1.4	60
102	The Formation of Calcified Nanospherites during Micropetrosis Represents a Unique Mineralization Mechanism in Aged Human Bone. <i>Small</i> , 2017, 13, 1602215.	5.2	49
103	A Novel <i>ANO5</i> Mutation Causing Gnathodiaphyseal Dysplasia With High Bone Turnover Osteosclerosis. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 277-284.	3.1	35
104	The incorporation of fluoride and strontium in hydroxyapatite affects the composition, structure, and mechanical properties of human cortical bone. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 433-442.	2.1	15
105	Differential effects of Calca-derived peptides in male mice with diet-induced obesity. <i>PLoS ONE</i> , 2017, 12, e0180547.	1.1	12
106	Osteoblast-specific overexpression of complement receptor C5aR1 impairs fracture healing. <i>PLoS ONE</i> , 2017, 12, e0179512.	1.1	26
107	Bone biology in the elderly: clinical importance for fracture treatment. <i>Innovative Surgical Sciences</i> , 2016, 1, 49-55.	0.4	1
108	Inhibition of Midkine Augments Osteoporotic Fracture Healing. <i>PLoS ONE</i> , 2016, 11, e0159278.	1.1	21

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109	Joint effusion as an indication of a lung disease. <i>European Journal of Internal Medicine</i> , 2016, 36, e5-e6.	1.0	0
110	Can we induce osteoporosis in animals comparable to the human situation?. <i>Injury</i> , 2016, 47, S3-S9.	0.7	31
111	Osteoblast-specific Notch2 inactivation causes increased trabecular bone mass at specific sites of the appendicular skeleton. <i>Bone</i> , 2016, 87, 136-146.	1.4	35
112	Hypochlorhydria-induced calcium malabsorption does not affect fracture healing but increases post-traumatic bone loss in the intact skeleton. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1914-1921.	1.2	14
113	Parathyroid hormone induces expression and proteolytic processing of Rankl in primary murine osteoblasts. <i>Bone</i> , 2016, 92, 85-93.	1.4	14
114	Antagonizing midkine accelerates fracture healing in mice by enhanced bone formation in the fracture callus. <i>British Journal of Pharmacology</i> , 2016, 173, 2237-2249.	2.7	25
115	Chronic skin inflammation leads to bone loss by IL-17-mediated inhibition of Wnt signaling in osteoblasts. <i>Science Translational Medicine</i> , 2016, 8, 330ra37.	5.8	133
116	How the European eel ( <i>Anguilla anguilla</i> ) loses its skeletal framework across lifetime. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161550.	1.2	14
117	Intra-articular osteoid osteoma in the proximal tibia and its imaging characteristics. <i>Knee</i> , 2016, 23, 915-919.	0.8	6
118	Mannose 6-phosphate-dependent targeting of lysosomal enzymes is required for normal craniofacial and dental development. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1570-1580.	1.8	15
119	Application of reference point indentation for micro-mechanical surface characterization of calcium silicate based dental materials. <i>Biomedical Microdevices</i> , 2016, 18, 25.	1.4	6
120	Deterioration of teeth and alveolar bone loss due to chronic environmental high-level fluoride and low calcium exposure. <i>Clinical Oral Investigations</i> , 2016, 20, 2361-2370.	1.4	15
121	The impact of low-magnitude high-frequency vibration on fracture healing is profoundly influenced by the oestrogen status in mice. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 93-104.	1.2	57
122	Modifications to Nano- and Microstructural Quality and the Effects on Mechanical Integrity in Paget's Disease of Bone. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 264-273.	3.1	50
123	The Anti-Osteoanabolic Function of Sclerostin Is Blunted in Mice Carrying a High Bone Mass Mutation of Lrp5. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1175-1183.	3.1	38
124	Multi-level characterization of human femoral cortices and their underlying osteocyte network reveal trends in quality of young, aged, osteoporotic and antiresorptive-treated bone. <i>Biomaterials</i> , 2015, 45, 46-55.	5.7	93
125	Expression of Hedgehog Pathway Mediator <i>GLI</i> Represents a Negative Prognostic Marker in Human Acute Myeloid Leukemia and Its Inhibition Exerts Antileukemic Effects. <i>Clinical Cancer Research</i> , 2015, 21, 2388-2398.	3.2	88
126	Intact Bone Vitality and Increased Accumulation of Nonmineralized Bone Matrix in Biopsy Specimens of Juvenile Osteochondritis Dissecans. <i>American Journal of Sports Medicine</i> , 2015, 43, 1337-1347.	1.9	30



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127	Age- and Sex-Specific Bone Structure Patterns Portend Bone Fragility in Radii and Tibiae in Relation to Osteodensitometry: A High-Resolution Peripheral Quantitative Computed Tomography Study in 385 Individuals. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1269-1275.	1.7	50
128	Acceptance of vitamin D-fortified products in Germany – A representative consumer survey. <i>Food Quality and Preference</i> , 2015, 43, 53-62.	2.3	23
129	Addition of a Fluoride-containing Radiopacifier Improves Micromechanical and Biological Characteristics of Modified Calcium Silicate Cements. <i>Journal of Endodontics</i> , 2015, 41, 2050-2057.	1.4	19
130	Sharnin Controls Osteogenic Differentiation of Mesenchymal Bone Marrow Cells. <i>Journal of Immunology</i> , 2015, 195, 3675-3684.	0.4	7
131	Osteoblast-Specific Krm2 Overexpression and Lrp5 Deficiency Have Different Effects on Fracture Healing in Mice. <i>PLoS ONE</i> , 2014, 9, e103250.	1.1	21
132	Microstructural properties of the mid-facial bones in relation to the distribution of occlusal loading. <i>Bone</i> , 2014, 68, 108-114.	1.4	9
133	Calcitonin controls bone formation by inhibiting the release of sphingosine 1-phosphate from osteoclasts. <i>Nature Communications</i> , 2014, 5, 5215.	5.8	160
134	Inhibition of Bone Remodeling in Young Mice by Bisphosphonate Displaces the Plasma Cell Niche into the Spleen. <i>Journal of Immunology</i> , 2014, 193, 223-233.	0.4	16
135	Nano-structural, compositional and micro-architectural signs of cortical bone fragility at the superolateral femoral neck in elderly hip fracture patients vs. healthy aged controls. <i>Experimental Gerontology</i> , 2014, 55, 19-28.	1.2	62
136	Incidence, histopathologic analysis and distribution of tumours of the hand. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 182.	0.8	39
137	Intravenous bisphosphonates and vitamin D in the treatment of bone marrow oedema in professional athletes. <i>Injury</i> , 2014, 45, 981-987.	0.7	56
138	<sup>68</sup> Ga DOTA-TATE PET/CT allows tumor localization in patients with tumor-induced osteomalacia but negative <sup>111</sup> In-octreotide SPECT/CT. <i>Bone</i> , 2014, 64, 222-227.	1.4	81
139	Trends in trabecular architecture and bone mineral density distribution in 152 individuals aged 30–90years. <i>Bone</i> , 2014, 66, 31-38.	1.4	59
140	Bisphosphonate-osteoclasts: Changes in osteoclast morphology and function induced by antiresorptive nitrogen-containing bisphosphonate treatment in osteoporosis patients. <i>Bone</i> , 2014, 59, 37-43.	1.4	103
141	Increased Osteoclastogenesis in Mice Lacking the Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1. <i>PLoS ONE</i> , 2014, 9, e114360.	1.1	1
142	Midkine-Deficiency Delays Chondrogenesis during the Early Phase of Fracture Healing in Mice. <i>PLoS ONE</i> , 2014, 9, e116282.	1.1	29
143	Osteocytic Canalicular Networks: Morphological Implications for Altered Mechanosensitivity. <i>ACS Nano</i> , 2013, 7, 7542-7551.	7.3	134
144	Canonical Wnt signaling inhibits osteoclastogenesis independent of osteoprotegerin. <i>Journal of Cell Biology</i> , 2013, 200, 537-549.	2.3	157

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145	Mutations in WNT1 Cause Different Forms of Bone Fragility. American Journal of Human Genetics, 2013, 92, 565-574.	2.6	240
146	New perspectives on vitamin D food fortification based on a modeling of 25(OH)D concentrations. Nutrition Journal, 2013, 12, 151.	1.5	31
147	Vitamin D Deficiency Induces Early Signs of Aging in Human Bone, Increasing the Risk of Fracture. Science Translational Medicine, 2013, 5, 193ra88.	5.8	146
148	The Wnt Serpentine Receptor Frizzled-9 Regulates New Bone Formation in Fracture Healing. PLoS ONE, 2013, 8, e84232.	1.1	52
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