

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
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159
all docs

159
docs citations

159
times ranked

6866
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone mineralization defects and vitamin D deficiency: Histomorphometric analysis of iliac crest bone biopsies and circulating 25-hydroxyvitamin D in 675 patients. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 305-312.	3.1	560
2	Glucocorticoids Suppress Bone Formation by Attenuating Osteoblast Differentiation via the Monomeric Glucocorticoid Receptor. <i>Cell Metabolism</i> , 2010, 11, 517-531.	7.2	346
3	Decrease in the osteocyte lacunar density accompanied by hypermineralized lacunar occlusion reveals failure and delay of remodeling in aged human bone. <i>Aging Cell</i> , 2010, 9, 1065-1075.	3.0	241
4	Mutations in WNT1 Cause Different Forms of Bone Fragility. <i>American Journal of Human Genetics</i> , 2013, 92, 565-574.	2.6	240
5	Impaired gastric acidification negatively affects calcium homeostasis and bone mass. <i>Nature Medicine</i> , 2009, 15, 674-681.	15.2	172
6	Calcitonin controls bone formation by inhibiting the release of sphingosine 1-phosphate from osteoclasts. <i>Nature Communications</i> , 2014, 5, 5215.	5.8	160
7	Canonical Wnt signaling inhibits osteoclastogenesis independent of osteoprotegerin. <i>Journal of Cell Biology</i> , 2013, 200, 537-549.	2.3	157
8	Vitamin D Deficiency Induces Early Signs of Aging in Human Bone, Increasing the Risk of Fracture. <i>Science Translational Medicine</i> , 2013, 5, 193ra88.	5.8	146
9	Osteocytic Canalicular Networks: Morphological Implications for Altered Mechanosensitivity. <i>ACS Nano</i> , 2013, 7, 7542-7551.	7.3	134
10	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
11	Control of bone formation by the serpentine receptor Frizzled-9. <i>Journal of Cell Biology</i> , 2011, 192, 1057-1072.	2.3	104
12	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
13	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
14	Expression of Hedgehog Pathway Mediator <i>GLI1</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
15	⁶⁸ Ga DOTA-TATE PET/CT allows tumor localization in patients with tumor-induced osteomalacia but negative ¹¹¹ In-octreotide SPECT/CT. <i>Bone</i> , 2014, 64, 222-227.	1.4	81
16	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
17	Wnt1 is an Lrp5-independent bone-anabolic Wnt ligand. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	66
18	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

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19	Disuse Osteoporosis: Clinical and Mechanistic Insights. <i>Calcified Tissue International</i> , 2022, 110, 592-604.	1.5	64
20	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
21	Vitamin D regulates osteocyte survival and periacicular remodeling in human and murine bone. <i>Bone</i> , 2017, 103, 78-87.	1.4	60
22	Trends in trabecular architecture and bone mineral density distribution in 152 individuals aged 30-90 years. <i>Bone</i> , 2014, 66, 31-38.	1.4	59
23	Negative Regulation of Bone Formation by the Transmembrane Wnt Antagonist Kremen-2. <i>PLoS ONE</i> , 2010, 5, e10309.	1.1	58
24	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
25	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
26	Piezo1 Inactivation in Chondrocytes Impairs Trabecular Bone Formation. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 369-384.	3.1	55
27	The Wnt Serpentine Receptor Frizzled-9 Regulates New Bone Formation in Fracture Healing. <i>PLoS ONE</i> , 2013, 8, e84232.	1.1	52
28	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
29	Age- and Sex-Specific Bone Structure Patterns Portend Bone Fragility in R 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
30	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
31	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
32	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
33	Bone tissue aging affects mineralization of cement lines. <i>Bone</i> , 2018, 110, 187-193.	1.4	45
34	Cellular Mechanisms Responsible for Success and Failure of Bone Substitute Materials. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2893.	1.8	41
35	Mechanical Competence and Bone Quality Develop During Skeletal Growth. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1461-1472.	3.1	41
36	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

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37	Human Heterozygous ENPP1 Deficiency Is Associated With Early Onset Osteoporosis, a Phenotype Recapitulated in a Mouse Model of Enpp1 Deficiency. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 528-539.	3.1	40
38	Incidence, histopathologic analysis and distribution of tumours of the hand. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 182.	0.8	39
39	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
40	Denosumab is effective in the treatment of bone marrow oedema syndrome. <i>Injury</i> , 2017, 48, 874-879.	0.7	36
41	Impaired proteoglycan glycosylation, elevated TGF- β 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
42	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
43	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
44	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
45	New perspectives on vitamin D food fortification based on a modeling of 25(OH)D concentrations. <i>Nutrition Journal</i> , 2013, 12, 151.	1.5	31
46	Can we induce osteoporosis in animals comparable to the human situation?. <i>Injury</i> , 2016, 47, S3-S9.	0.7	31
47	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
48	Midkine-deficiency increases the anabolic response of cortical bone to mechanical loading. <i>Bone</i> , 2011, 48, 945-951.	1.4	29
49	Comparison of Bone Microarchitecture Between Adult Osteogenesis Imperfecta and Early-Onset Osteoporosis. <i>Calcified Tissue International</i> , 2018, 103, 512-521.	1.5	29
50	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
51	Midkine-Deficiency Delays Chondrogenesis during the Early Phase of Fracture Healing in Mice. <i>PLoS ONE</i> , 2014, 9, e116282.	1.1	29
52	Individuals with type 2 diabetes mellitus show dimorphic and heterogeneous patterns of loss in femoral bone quality. <i>Bone</i> , 2020, 140, 115556.	1.4	28
53	Collagen Fiber Orientation Is Coupled with Specific Nano-Compositional Patterns in <i>Dark</i> and <i>Bright</i> Osteons Modulating Their Biomechanical Properties. <i>ACS Nano</i> , 2021, 15, 455-467.	7.3	28
54	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

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55	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
56	A retrospective analysis of bone mineral status in patients requiring spinal surgery. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 53.	0.8	26
57	Osteoblast-specific overexpression of complement receptor C5aR1 impairs fracture healing. <i>PLoS ONE</i> , 2017, 12, e0179512.	1.1	26
58	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
59	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
60	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
61	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
62	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
63	Bone microarchitecture of the tibial plateau in skeletal health and osteoporosis. <i>Knee</i> , 2018, 25, 559-567.	0.8	22
64	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
65	Inhibition of Midkine Augments Osteoporotic Fracture Healing. <i>PLoS ONE</i> , 2016, 11, e0159278.	1.1	21
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	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
68	Mice lacking plastin-3 display a specific defect of cortical bone acquisition. <i>Bone</i> , 2020, 130, 115062.	1.4	20
69	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
70	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
71	Impaired Bone Microarchitecture in Patients with Hereditary Hemochromatosis and Skeletal Complications. <i>Calcified Tissue International</i> , 2020, 106, 465-475.	1.5	19
72	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

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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	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
75	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
76	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
77	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
78	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
79	Genotype-Phenotype Associations in 72 Adults with Suspected ALPL-Associated Hypophosphatasia. <i>Calcified Tissue International</i> , 2021, 108, 288-301.	1.5	16
80	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
81	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
82	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
83	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
84	A System to Determine Risk of Osteoporosis in Patients With Autoimmune Hepatitis. <i>Clinical Gastroenterology and Hepatology</i> , 2020, 18, 226-233.e3.	2.4	15
85	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
86	Procalcitonin Exerts a Mediator Role in Septic Shock Through the Calcitonin Gene-Related Peptide Receptor. <i>Critical Care Medicine</i> , 2021, 49, e41-e52.	0.4	15
87	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
88	Parathyroid hormone induces expression and proteolytic processing of Rankl in primary murine osteoblasts. <i>Bone</i> , 2016, 92, 85-93.	1.4	14
89	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
90	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

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91	Modeling Spontaneous Bone Metastasis Formation of Solid Human Tumor Xenografts in Mice. <i>Cancers</i> , 2020, 12, 385.	1.7	14
92	Primary intraosseous meningioma: clinical, histological, and differential diagnostic aspects. <i>Journal of Neurosurgery</i> , 2020, 133, 281-290.	0.9	14
93	Prevalence of low alkaline phosphatase activity in laboratory assessment: Is hypophosphatasia an underdiagnosed disease?. <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 452.	1.2	14
94	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
95	The WNT1G177C mutation specifically affects skeletal integrity in a mouse model of osteogenesis imperfecta type XV. <i>Bone Research</i> , 2021, 9, 48.	5.4	13
96	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
97	Differential effects of Calca-derived peptides in male mice with diet-induced obesity. <i>PLoS ONE</i> , 2017, 12, e0180547.	1.1	12
98	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
99	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
100	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
101	Severe bone loss and multiple fractures in SCN8A-related epileptic encephalopathy. <i>Bone</i> , 2017, 103, 136-143.	1.4	11
102	Whole-Exome Sequencing Identifies Novel Compound Heterozygous ZNF469 Mutations in Two Siblings with Mild Brittle Cornea Syndrome. <i>Calcified Tissue International</i> , 2020, 107, 294-299.	1.5	11
103	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
104	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
105	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
106	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
107	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
108	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

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109	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
110	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
111	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
112	Osteoid Osteoma of the Mandible – Clinical and Histological Findings. <i>Anticancer Research</i> , 2019, 39, 291-296.	0.5	9
113	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
114	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
115	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
116	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
117	Mice Carrying a Ubiquitous <i>R235W</i> Mutation of <i>Wnt1</i> Display a Bone-Specific Phenotype. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1726-1737.	3.1	8
118	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
119	Sharnin Controls Osteogenic Differentiation of Mesenchymal Bone Marrow Cells. <i>Journal of Immunology</i> , 2015, 195, 3675-3684.	0.4	7
120	Osteoblast-specific expression of <i>Panx3</i> is dispensable for postnatal bone remodeling. <i>Bone</i> , 2019, 127, 155-163.	1.4	7
121	Allograft Chip Incorporation in Acetabular Reconstruction. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1996-2005.	1.4	7
122	Evaluation of postural stability in patients screened for osteoporosis: A retrospective study of 1086 cases. <i>Gait and Posture</i> , 2021, 88, 304-310.	0.6	7
123	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
124	The development of the axis vertebra: the key to a topographic classification of dens fractures. <i>European Spine Journal</i> , 2008, 17, 1775-1777.	1.0	6
125	Intra-articular osteoid osteoma in the proximal tibia and its imaging characteristics. <i>Knee</i> , 2016, 23, 915-919.	0.8	6
126	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

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127	Cobalt deposition in mineralized bone tissue after metal-on-metal hip resurfacing: Quantitative ^{57}Fe -X-ray-fluorescence analysis of implant material incorporation in periprosthetic tissue. , 2017, 105, 1855-1862.		5
128	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. <i>Environment International</i> , 2020, 143, 105968.	4.8	5
129	Radiological and Histopathological Features of Internal Tooth Resorption. <i>In Vivo</i> , 2020, 34, 1875-1882.	0.6	5
130	Decreased Trabecular Bone Mass in Col22a1-Deficient Mice. <i>Cells</i> , 2021, 10, 3020.	1.8	5
131	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
132	Clinical Spectrum of Hereditary Hypophosphatemic Rickets With Hypercalciuria (HHRH). <i>Journal of Bone and Mineral Research</i> , 2020, 37, 1580-1591.	3.1	5
133	Bisphosphonate treatment changes regional distribution of trabecular microstructure in human lumbar vertebrae. <i>Bone</i> , 2019, 127, 482-487.	1.4	4
134	Bone microarchitecture of the distal fibula assessed by HR-pQCT. <i>Bone</i> , 2021, 151, 116057.	1.4	4
135	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
136	Skeletal dissemination in Paget's disease of the spine. <i>European Spine Journal</i> , 2018, 27, 453-457.	1.0	3
137	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
138	Gnathodiaphyseal dysplasia is not recapitulated in a respective mouse model carrying a mutation of the <i>Ano5</i> gene. <i>Bone Reports</i> , 2020, 12, 100281.	0.2	3
139	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
140	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
141	Bone microarchitecture in patients with autoimmune hepatitis. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1316-1325.	3.1	3
142	Osteoblast-specific inactivation of p53 results in locally increased bone formation. <i>PLoS ONE</i> , 2021, 16, e0249894.	1.1	3
143	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
144	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

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145	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
146	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
147	Pathogenic variants in GNPTAB and GNPTG encoding distinct subunits of GlcNAc-1-phosphotransferase differentially impact bone resorption in patients with mucopolidosis type II and III. <i>Genetics in Medicine</i> , 2021, 23, 2369-2377.	1.1	2
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154	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
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