

Gerald J Atkins

List of Publications by Year in descending order

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142
papers

7,843
citations

38660

50
h-index

54797

84
g-index

149
all docs

149
docs citations

149
times ranked

9293
citing authors

#	ARTICLE	IF	CITATIONS
1	Sclerostin Stimulates Osteocyte Support of Osteoclast Activity by a RANKL-Dependent Pathway. PLoS ONE, 2011, 6, e25900.	1.1	419
2	Biocompatible polymer coating of titania nanotube arrays for improved drug elution and osteoblast adhesion. Acta Biomaterialia, 2012, 8, 449-456.	4.1	251
3	Metabolism of vitamin D3 in human osteoblasts: Evidence for autocrine and paracrine activities of 1 α ,25-dihydroxyvitamin D3. Bone, 2007, 40, 1517-1528.	1.4	229
4	RANKL Expression Is Related to the Differentiation State of Human Osteoblasts. Journal of Bone and Mineral Research, 2003, 18, 1088-1098.	3.1	213
5	Sclerostin is a locally acting regulator of late-osteoblast/preosteocyte differentiation and regulates mineralization through a MEPE-ASARM-dependent mechanism. Journal of Bone and Mineral Research, 2011, 26, 1425-1436.	3.1	209
6	The proliferation and phenotypic expression of human osteoblasts on tantalum metal. Biomaterials, 2004, 25, 2215-2227.	5.7	179
7	Receptor activator of nuclear factor-kappaB ligand expression by human myeloma cells mediates osteoclast formation in vitro and correlates with bone destruction in vivo. Cancer Research, 2003, 63, 5438-45.	0.4	177
8	Osteocytes: The master cells in bone remodelling. Current Opinion in Pharmacology, 2016, 28, 24-30.	1.7	170
9	Strontium ranelate treatment of human primary osteoblasts promotes an osteocyte-like phenotype while eliciting an osteoprotegerin response. Osteoporosis International, 2009, 20, 653-664.	1.3	169
10	Expression of Osteoclast Differentiation Signals by Stromal Elements of Giant Cell Tumors. Journal of Bone and Mineral Research, 2010, 15, 640-649.	3.1	168
11	Pro-Inflammatory Cytokines TNF-Related Weak Inducer of Apoptosis (TWEAK) and TNF α Induce the Mitogen-Activated Protein Kinase (MAPK)-Dependent Expression of Sclerostin in Human Osteoblasts. Journal of Bone and Mineral Research, 2009, 24, 1434-1449.	3.1	161
12	Osteocyte regulation of bone mineral: a little give and take. Osteoporosis International, 2012, 23, 2067-2079.	1.3	148
13	Regulation of FGF23 expression in IDG-SW3 osteocytes and human bone by pro-inflammatory stimuli. Molecular and Cellular Endocrinology, 2015, 399, 208-218.	1.6	148
14	The osteoclastogenic molecules RANKL and RANK are associated with periprosthetic osteolysis. Journal of Bone and Joint Surgery: British Volume, 2001, 83, 902-11.	3.4	143
15	Osteoprotegerin (OPG) is localized to the Weibel-Palade bodies of human vascular endothelial cells and is physically associated with von Willebrand factor. Journal of Cellular Physiology, 2005, 204, 714-723.	2.0	141
16	TWEAK Is a Novel Arthritogenic Mediator. Journal of Immunology, 2006, 177, 2610-2620.	0.4	141
17	Chemotherapeutic agents sensitize osteogenic sarcoma cells, but not normal human bone cells, to apo2l/trail-induced apoptosis. International Journal of Cancer, 2002, 99, 491-504.	2.3	136
18	Critical role of p38 MAPK for regeneration of the sciatic nerve following crush injury in vivo. Journal of Neuroinflammation, 2013, 10, 1.	3.1	131

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19	Sclerostin Regulates Release of Bone Mineral by Osteocytes by Induction of Carbonic Anhydrase 2. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2436-2448.	3.1	130
20	Brl: A Novel Bone-Specific Modulator of Mineralization. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1497-1508.	3.1	128
21	Osteoclastic Metabolism of 25(OH)-Vitamin D3: A Potential Mechanism for Optimization of Bone Resorption. <i>Endocrinology</i> , 2010, 151, 4613-4625.	1.4	127
22	Molecular Profiling of Giant Cell Tumor of Bone and the Osteoclastic Localization of Ligand for Receptor Activator of Nuclear Factor κ B. <i>American Journal of Pathology</i> , 2005, 167, 117-128.	1.9	124
23	The Ratio of Messenger RNA Levels of Receptor Activator of Nuclear Factor κ B Ligand to Osteoprotegerin Correlates with Bone Remodeling Indices in Normal Human Cancellous Bone but Not in Osteoarthritis. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1015-1027.	3.1	123
24	Osteoblast-Chondrocyte Interactions in Osteoarthritis. <i>Current Osteoporosis Reports</i> , 2014, 12, 127-134.	1.5	122
25	RANK Expression as a Cell Surface Marker of Human Osteoclast Precursors in Peripheral Blood, Bone Marrow, and Giant Cell Tumors of Bone. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 1339-1349.	3.1	120
26	The correlation of RANK, RANKL and TNF α expression with bone loss volume and polyethylene wear debris around hip implants. <i>Biomaterials</i> , 2006, 27, 5212-5219.	5.7	114
27	Novel Insights into Staphylococcus aureus Deep Bone Infections: the Involvement of Osteocytes. <i>MBio</i> , 2018, 9, .	1.8	114
28	Vitamin K promotes mineralization, osteoblast-to-osteocyte transition, and an anticatabolic phenotype by Γ^3 -carboxylation-dependent and -independent mechanisms. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C1358-C1367.	2.1	108
29	The nitrogen-containing bisphosphonate, zoledronic acid, increases mineralisation of human bone-derived cells in vitro. <i>Bone</i> , 2004, 34, 112-123.	1.4	104
30	Osteoprotegerin inhibits osteoclast formation and bone resorbing activity in giant cell tumors of bone. <i>Bone</i> , 2001, 28, 370-377.	1.4	99
31	SaOS2 Osteosarcoma Cells as an In Vitro Model for Studying the Transition of Human Osteoblasts to Osteocytes. <i>Calcified Tissue International</i> , 2014, 95, 183-193.	1.5	97
32	The induction of a catabolic phenotype in human primary osteoblasts and osteocytes by polyethylene particles. <i>Biomaterials</i> , 2009, 30, 3672-3681.	5.7	96
33	Anodized 3D-printed titanium implants with dual micro- and nano-scale topography promote interaction with human osteoblasts and osteocyte-like cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3313-3325.	1.3	88
34	3D Bioprinting of Methylcellulose/Gelatin-Methacryloyl (MC/GelMA) Bioink with High Shape Integrity. <i>ACS Applied Bio Materials</i> , 2020, 3, 1815-1826.	2.3	83
35	The skeleton as an intracrine organ for vitamin D metabolism. <i>Molecular Aspects of Medicine</i> , 2008, 29, 397-406.	2.7	82
36	Primary human osteoblasts grow into porous tantalum and maintain an osteoblastic phenotype. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 691-701.	2.1	78

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37	Coordinated cytokine expression by stromal and hematopoietic cells during human osteoclast formation. <i>Bone</i> , 2000, 26, 653-661.	1.4	77
38	Calcitonin Receptor Plays a Physiological Role to Protect Against Hypercalcemia in Mice. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1182-1193.	3.1	76
39	Increased expression of IL-6 and RANK mRNA in human trabecular bone from fragility fracture of the femoral neck. <i>Bone</i> , 2004, 35, 334-342.	1.4	68
40	Human osteoblasts are resistant to Apo2L/TRAIL-mediated apoptosis. <i>Bone</i> , 2002, 31, 448-456.	1.4	66
41	The metabolism of 25-(OH)vitamin D3 by osteoclasts and their precursors regulates the differentiation of osteoclasts. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 121, 277-280.	1.2	63
42	Relationship between serum RANKL and RANKL in bone. <i>Osteoporosis International</i> , 2011, 22, 2597-2602.	1.3	62
43	Micro- and nano-structured 3D printed titanium implants with a hydroxyapatite coating for improved osseointegration. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3136-3144.	2.9	62
44	Progressive resistance of BTK-143 osteosarcoma cells to Apo2L/TRAIL-induced apoptosis is mediated by acquisition of Dcr2/TRAIL-R4 expression: resensitisation with chemotherapy. <i>British Journal of Cancer</i> , 2003, 89, 206-214.	2.9	61
45	Current Concepts of Osteomyelitis. <i>American Journal of Pathology</i> , 2020, 190, 1151-1163.	1.9	61
46	Expression of fibrillins and other microfibril-associated proteins in human bone and osteoblast-like cells. <i>Bone</i> , 2000, 27, 61-67.	1.4	57
47	Evidence that osteocyte perilacunar remodelling contributes to polyethylene wear particle induced osteolysis. <i>Acta Biomaterialia</i> , 2016, 33, 242-251.	4.1	57
48	The generation of osteoclasts from RAW 264.7 precursors in defined, serum-free conditions. <i>Journal of Bone and Mineral Metabolism</i> , 2009, 27, 114-119.	1.3	55
49	The pleiotropic effects of vitamin D in bone. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 136, 190-194.	1.2	55
50	Drug-releasing nano-engineered titanium implants: therapeutic efficacy in 3D cell culture model, controlled release and stability. <i>Materials Science and Engineering C</i> , 2016, 69, 831-840.	3.8	53
51	Vitamin D metabolism within bone cells: Effects on bone structure and strength. <i>Molecular and Cellular Endocrinology</i> , 2011, 347, 42-47.	1.6	51
52	Extracellular phosphate modulates the effect of 1 α ,25-dihydroxy vitamin D3 (1,25D) on osteocyte like cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 136, 183-186.	1.2	51
53	A Role for the Calcitonin Receptor to Limit Bone Loss During Lactation in Female Mice by Inhibiting Osteocytic Osteolysis. <i>Endocrinology</i> , 2015, 156, 3203-3214.	1.4	47
54	Bidirectional signaling between stromal and hemopoietic cells regulates interleukin-1 expression during human osteoclast formation. <i>Bone</i> , 1999, 25, 269-278.	1.4	45

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55	Enhanced Expression of Osteocalcin mRNA in Human Osteoarthritic Trabecular Bone of the Proximal Femur Is Associated with Decreased Expression of Interleukin-6 and Interleukin-11 mRNA. <i>Journal of Bone and Mineral Research</i> , 2010, 15, 332-341.	3.1	44
56	The local production of 1,25(OH)2D3 promotes osteoblast and osteocyte maturation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 144, 114-118.	1.2	44
57	Role of polyethylene particles in peri-prosthetic osteolysis: A review. <i>World Journal of Orthopedics</i> , 2011, 2, 93.	0.8	44
58	1 α ,25-dihydroxyvitamin D3 stimulates human SOST gene expression and sclerostin secretion. <i>Molecular and Cellular Endocrinology</i> , 2015, 413, 157-167.	1.6	43
59	Hypoxia-activated pro-drug TH-302 exhibits potent tumor suppressive activity and cooperates with chemotherapy against osteosarcoma. <i>Cancer Letters</i> , 2015, 357, 160-169.	3.2	42
60	Isolation of a Human Homolog of Osteoclast Inhibitory Lectin That Inhibits the Formation and Function of Osteoclasts. <i>Journal of Bone and Mineral Research</i> , 2003, 19, 89-99.	3.1	41
61	RNAi-mediated silencing of CYP27B1 abolishes 1,25(OH)2D3 synthesis and reduces osteocalcin and CYP24 mRNA expression in human osteosarcoma (HOS) cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007, 103, 601-605.	1.2	41
62	Osteocytes respond to particles of clinically-relevant conventional and cross-linked polyethylene and metal alloys by up-regulation of resorptive and inflammatory pathways. <i>Acta Biomaterialia</i> , 2019, 87, 296-306.	4.1	41
63	TWEAK and Fn14 expression in the pathogenesis of joint inflammation and bone erosion in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2011, 13, R51.	1.6	40
64	Periprosthetic osteolysis after total hip replacement: molecular pathology and clinical management. <i>Inflammopharmacology</i> , 2013, 21, 389-396.	1.9	35
65	Isolation of osteocytes from human trabecular bone. <i>Bone</i> , 2016, 88, 64-72.	1.4	35
66	Calcitonin Receptor-Mediated Growth Suppression of HEK-293 Cells Is Accompanied by Induction of p21WAF1/CIP1 and G2/M Arrest. <i>Molecular Endocrinology</i> , 1999, 13, 1738-1750.	3.7	34
67	Human trabecular bone-derived osteoblasts support human osteoclast formation in vitro in a defined, serum-free medium. <i>Journal of Cellular Physiology</i> , 2005, 203, 573-582.	2.0	34
68	Vitamin D receptor overexpression in osteoblasts and osteocytes prevents bone loss during vitamin D-deficiency. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 144, 128-131.	1.2	33
69	Apo2L/TRAIL Inhibits Tumor Growth and Bone Destruction in a Murine Model of Multiple Myeloma. <i>Clinical Cancer Research</i> , 2009, 15, 1998-2009.	3.2	32
70	Characterization of drug-release kinetics in trabecular bone from titania nanotube implants. <i>International Journal of Nanomedicine</i> , 2012, 7, 4883.	3.3	32
71	Drug diffusion, integration, and stability of nanoengineered drug-releasing implants in bone <i>in vivo</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 714-725.	2.1	32
72	Advancing of Additive-Manufactured Titanium Implants with Bioinspired Micro- to Nanotopographies. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 441-450.	2.6	30

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73	Calcium induces pro-anabolic effects on human primary osteoblasts associated with acquisition of mature osteocyte markers. <i>Molecular and Cellular Endocrinology</i> , 2013, 376, 85-92.	1.6	27
74	Anticancer efficacy of the hypoxia-activated prodrug evofosfamide (TH-302) in osteolytic breast cancer murine models. <i>Cancer Medicine</i> , 2016, 5, 534-545.	1.3	27
75	Sclerostin Directly Stimulates Osteocyte Synthesis of Fibroblast Growth Factor-23. <i>Calcified Tissue International</i> , 2021, 109, 66-76.	1.5	25
76	A Bioinformatics Resource for TWEAK-Fn14 Signaling Pathway. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-10.	2.0	24
77	1,25-Dihydroxyvitamin D3 and extracellular calcium promote mineral deposition via NPP1 activity in a mature osteoblast cell line MLO-A5. <i>Molecular and Cellular Endocrinology</i> , 2015, 412, 140-147.	1.6	24
78	Postoperative weight bearing and patient reported outcomes at one year following tibial plateau fractures. <i>Injury</i> , 2017, 48, 1650-1656.	0.7	24
79	Adoptive transfer of ex vivo expanded $\text{V}\beta 39\text{V}\beta 2$ T cells in combination with zoledronic acid inhibits cancer growth and limits osteolysis in a murine model of osteolytic breast cancer. <i>Cancer Letters</i> , 2017, 386, 141-150.	3.2	24
80	Analysis of vitamin D metabolism gene expression in human bone: Evidence for autocrine control of bone remodelling. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 144, 110-113.	1.2	23
81	Localized drug delivery of selenium (Se) using nanoporous anodic aluminium oxide for bone implants. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7090-7098.	2.9	22
82	Novel Targets of Vitamin D Activity in Bone: Action of the Vitamin D Receptor in Osteoblasts, Osteocytes and Osteoclasts. <i>Current Drug Targets</i> , 2013, 14, 1683-1688.	1.0	21
83	EMG-Informed Neuromusculoskeletal Models Accurately Predict Knee Loading Measured Using Instrumented Implants. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 2268-2275.	2.5	21
84	Polyethylene particles stimulate expression of ITAM-related molecules in peri-implant tissues and when stimulating osteoclastogenesis in vitro. <i>Acta Biomaterialia</i> , 2012, 8, 3104-3112.	4.1	20
85	The Paired-box Homeodomain Transcription Factor Pax6 Binds to the Upstream Region of the TRAP Gene Promoter and Suppresses Receptor Activator of NF- κ B Ligand (RANKL)-induced Osteoclast Differentiation. <i>Journal of Biological Chemistry</i> , 2013, 288, 31299-31312.	1.6	20
86	Pharmacologic inhibition of bone resorption prevents cancer-induced osteolysis but enhances soft tissue metastasis in a mouse model of osteolytic breast cancer. <i>International Journal of Oncology</i> , 2014, 45, 532-540.	1.4	20
87	Calcitonin decreases the adherence and survival of HEK-293 cells by a caspase-independent mechanism. <i>Journal of Endocrinology</i> , 2002, 175, 715-725.	1.2	19
88	Titania Nanotubes for Local Drug Delivery from Implant Surfaces. <i>Springer Series in Materials Science</i> , 2015, , 307-355.	0.4	19
89	Does Apo2L/TRAIL play any physiologic role in osteoclastogenesis?. <i>Blood</i> , 2008, 111, 5411-5412.	0.6	18
90	Nano-engineered titanium for enhanced bone therapy. <i>Proceedings of SPIE</i> , 2013, , .	0.8	17

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91	Semaphorin-3a, neuropilin-1 and plexin-A1 in prosthetic-particle induced bone loss. <i>Acta Biomaterialia</i> , 2016, 30, 311-318.	4.1	17
92	Absence of vitamin D receptor in mature osteoclasts results in altered osteoclastic activity and bone loss. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 177, 77-82.	1.2	17
93	Human osteocyte expression of Nerve Growth Factor: The effect of Pentosan Polysulphate Sodium (PPS) and implications for pain associated with knee osteoarthritis. <i>PLoS ONE</i> , 2019, 14, e0222602.	1.1	17
94	An update on primary hip osteoarthritis including altered Wnt and TGF- β associated gene expression from the bony component of the disease. <i>Rheumatology</i> , 2011, 50, 2166-2175.	0.9	16
95	<i>Target Genes.</i> , 2011, , 411-424.		16
96	Biomimetic hydroxyapatite coating on glass coverslips for the assay of osteoclast activity in vitro. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1467-1473.	1.7	15
97	TWEAK and TNF Regulation of Sclerostin: A Novel Pathway for the Regulation of Bone Remodelling. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 337-348.	0.8	15
98	Modulation of osteoclastic migration by metabolism of 25(OH)-vitamin D3. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 136, 59-61.	1.2	14
99	Nanoengineered drug releasing aluminium wire implants: a model study for localized bone therapy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3288-3296.	2.9	14
100	Impaction bone grafting has potential as an adjunct to the surgical stabilisation of osteoporotic tibial plateau fractures: Early results of a case series. <i>Injury</i> , 2015, 46, 1089-1096.	0.7	14
101	Early response of the human SOST gene to stimulation by 1 α ,25-dihydroxyvitamin D3. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 369-373.	1.2	14
102	Sex-related differences in the skeletal phenotype of aged vitamin D receptor global knockout mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 361-368.	1.2	14
103	Peroxidase enzymes inhibit osteoclast differentiation and bone resorption. <i>Molecular and Cellular Endocrinology</i> , 2017, 440, 8-15.	1.6	14
104	Cognitive decline is associated with an accelerated rate of bone loss and increased fracture risk in women: a prospective study from the Canadian Multicentre Osteoporosis Study. <i>Journal of Bone and Mineral Research</i> , 2021, 36, 2106-2115.	3.1	14
105	Expression of Defensin Antimicrobial Peptides in the Peritoneal Cavity of Patients on Peritoneal Dialysis. <i>Peritoneal Dialysis International</i> , 2001, 21, 501-508.	1.1	13
106	Reversal of established bone pathology in MPS VII mice following lentiviral-mediated gene therapy. <i>Molecular Genetics and Metabolism</i> , 2016, 119, 249-257.	0.5	13
107	Both ligand and VDR expression levels critically determine the effect of 1 α ,25-dihydroxyvitamin-D3 on osteoblast differentiation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 177, 83-90.	1.2	13
108	Peroxidase Enzymes Regulate Collagen Biosynthesis and Matrix Mineralization by Cultured Human Osteoblasts. <i>Calcified Tissue International</i> , 2016, 98, 294-305.	1.5	12

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109	Skeletal characterization of an osteoblast-specific vitamin D receptor transgenic (ObVDR-B6) mouse model. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 331-336.	1.2	12
110	Osteocyte Communication with the Kidney Via the Production of FGF23: Remote Control of Phosphate Homeostasis. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2014, 12, 44-58.	1.3	11
111	Elevated Serum 25-Hydroxyvitamin D Levels Are Associated with Improved Bone Formation and Micro-Structural Measures in Elderly Hip Fracture Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 1988.	1.0	11
112	A Human Osteocyte Cell Line Model for Studying <i>Staphylococcus aureus</i> Persistence in Osteomyelitis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 781022.	1.8	11
113	Anticancer efficacy of the hypoxia-activated prodrug evofosfamide is enhanced in combination with proapoptotic receptor agonists against osteosarcoma. <i>Cancer Medicine</i> , 2017, 6, 2164-2176.	1.3	9
114	Evidence for altered osteoclastogenesis in splenocyte cultures from Cyp27b1 knockout mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 353-360.	1.2	8
115	A New Approach to Surgical Management of Tibial Plateau Fractures. <i>Journal of Clinical Medicine</i> , 2020, 9, 626.	1.0	8
116	Vitamin D supplementation improves bone mineralisation independent of dietary phosphate in male X-linked hypophosphatemic (Hyp) mice. <i>Bone</i> , 2021, 143, 115767.	1.4	8
117	Relationships between the Bone Expression of Alzheimer's Disease-Related Genes, Bone Remodelling Genes and Cortical Bone Structure in Neck of Femur Fracture. <i>Calcified Tissue International</i> , 2021, 108, 610-621.	1.5	8
118	Generation of two multipotent mesenchymal progenitor cell lines capable of osteogenic, mature osteocyte, adipogenic, and chondrogenic differentiation. <i>Scientific Reports</i> , 2021, 11, 22593.	1.6	8
119	Postoperative lower limb joint kinematics following tibial plateau fracture: A 2-year longitudinal study. <i>Gait and Posture</i> , 2021, 83, 20-25.	0.6	7
120	Long-Term Outcomes of Staged Revision Surgery for Chronic Periprosthetic Joint Infection of Total Hip Arthroplasty. <i>Journal of Clinical Medicine</i> , 2022, 11, 122.	1.0	7
121	Nanoengineered drug-releasing aluminium wire implants: comparative investigation of nanopore geometry, drug release and osteoblast cell adhesion. <i>RSC Advances</i> , 2015, 5, 75004-75014.	1.7	6
122	Vitamin D receptor expression in mature osteoclasts reduces bone loss due to low dietary calcium intake in male mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 210, 105857.	1.2	6
123	Elevated levels of active Transforming Growth Factor β 1 in the subchondral bone relate spatially to cartilage loss and impaired bone quality in human knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 896-907.	0.6	6
124	Circulating levels of TWEAK correlate with bone erosion in multiple myeloma patients. <i>British Journal of Haematology</i> , 2010, 150, 373-376.	1.2	5
125	Evidence for Gender-Specific Bone Loss Mechanisms in Periprosthetic Osteolysis. <i>Journal of Clinical Medicine</i> , 2020, 9, 53.	1.0	5
126	Therapeutic Potential of a Novel Vitamin D3 Oxime Analogue, VD1-6, with CYP24A1 Enzyme Inhibitory Activity and Negligible Vitamin D Receptor Binding. <i>Biomolecules</i> , 2022, 12, 960.	1.8	5

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127	Comparison of the biological effects of exogenous and endogenous 1,25-dihydroxyvitamin D3 on the mature osteoblast cell line MLO-A5. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 374-378.	1.2	4
128	Time dependent loss of trabecular bone in human tibial plateau fractures. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2865-2875.	1.2	4
129	The Late Osteoblast/Preosteocyte Cell Line MLO-A5 Displays Mesenchymal Lineage Plasticity<i>In Vitro</i> and<i>In Vivo</i>. <i>Stem Cells International</i> , 2019, 2019, 1-10.	1.2	4
130	Target Genes: Bone Proteins. , 2005, , 711-720.		3
131	First Australian report of vitamin Dâ€dependent rickets type I. <i>Medical Journal of Australia</i> , 2014, 201, 420-421.	0.8	3
132	Doxorubicin overcomes resistance to drozitumab by antagonizing Inhibitor of Apoptosis Proteins (IAPs). <i>Anticancer Research</i> , 2014, 34, 7007-20.	0.5	3
133	Does Time to Theatre Affect the Ability to Achieve Fracture Reduction in Tibial Plateau Fractures?. <i>Journal of Clinical Medicine</i> , 2022, 11, 138.	1.0	3
134	Hepatitis B virus binding to leucocyte plasma membranes utilizes a different region of the preS1 domain to the hepatocyte receptor binding site and does not require receptors for opsonins. <i>Immunology and Cell Biology</i> , 1997, 75, 259-266.	1.0	2
135	A semiautomated method to quantitatively assess osteolytic lesion volume and bone mineral density within acetabular regions of interest from CT. <i>Journal of Orthopaedic Research</i> , 2022, 40, 396-408.	1.2	2
136	A Mild Case of Autosomal Recessive Osteopetrosis Masquerading as the Dominant Form Involving Homozygous Deep Intronic Variations in the CLCN7 Gene. <i>Calcified Tissue International</i> , 2022, 111, 430-444.	1.5	2
137	Evidence for altered osteoclastogenesis in splenocyte cultures from VDR knockout mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 177, 96-102.	1.2	1
138	Mammals and minerals: a story of lactation and lacunae. <i>IBMS BoneKEy</i> , 2012, 9, .	0.1	0
139	A Fluorometric Method for the Quantification of Cell Number in Complex Differentiating Osteoblast-Osteocyte Cultures. <i>Methods and Protocols</i> , 2018, 1, 14.	0.9	0
140	Vitamin D Activities in Osteocytes. , 2018, , 319-327.		0
141	Surgical Technique to Manage Periprosthetic Fractures of the Knee in Patients with Infected Leg Ulcers. <i>JBJS Case Connector</i> , 2019, 9, e0347-e0347.	0.1	0
142	Assigning trabecular bone material properties in finite element models simulating the pelvis before and after the development of peri-prosthetic osteolytic lesions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 133, 105311.	1.5	0