

Gerald J Atkins

List of Publications by Year in descending order

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Version: 2024-02-01

142
papers

7,843
citations

38742

50
h-index

54911

84
g-index

149
all docs

149
docs citations

149
times ranked

9293
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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. | 2.3 | 2 |
| 2 | EMG-Informed Neuromusculoskeletal Models Accurately Predict Knee Loading Measured Using Instrumented Implants. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 2268-2275. | 4.2 | 21 |
| 3 | 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. | 1.3 | 6 |
| 4 | 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. | 2.4 | 7 |
| 5 | Does Time to Theatre Affect the Ability to Achieve Fracture Reduction in Tibial Plateau Fractures?. <i>Journal of Clinical Medicine</i> , 2022, 11, 138. | 2.4 | 3 |
| 6 | 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. | 3.1 | 2 |
| 7 | 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. | 3.1 | 0 |
| 8 | 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. | 4.0 | 5 |
| 9 | Postoperative lower limb joint kinematics following tibial plateau fracture: A 2-year longitudinal study. <i>Gait and Posture</i> , 2021, 83, 20-25. | 1.4 | 7 |
| 10 | Vitamin D supplementation improves bone mineralisation independent of dietary phosphate in male X-linked hypophosphatemic (Hyp) mice. <i>Bone</i> , 2021, 143, 115767. | 2.9 | 8 |
| 11 | 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. | 3.1 | 8 |
| 12 | Advancing of Additive-Manufactured Titanium Implants with Bioinspired Micro- to Nanotopographies. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 441-450. | 5.2 | 30 |
| 13 | Sclerostin Directly Stimulates Osteocyte Synthesis of Fibroblast Growth Factor-23. <i>Calcified Tissue International</i> , 2021, 109, 66-76. | 3.1 | 25 |
| 14 | 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. | 2.5 | 6 |
| 15 | 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. | 2.8 | 14 |
| 16 | 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. | 3.9 | 11 |
| 17 | Generation of two multipotent mesenchymal progenitor cell lines capable of osteogenic, mature osteocyte, adipogenic, and chondrogenic differentiation. <i>Scientific Reports</i> , 2021, 11, 22593. | 3.3 | 8 |
| 18 | Evidence for Gender-Specific Bone Loss Mechanisms in Periprosthetic Osteolysis. <i>Journal of Clinical Medicine</i> , 2020, 9, 53. | 2.4 | 5 |

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|----|---|-----|-----------|
| 19 | Current Concepts of Osteomyelitis. American Journal of Pathology, 2020, 190, 1151-1163. | 3.8 | 61 |
| 20 | A New Approach to Surgical Management of Tibial Plateau Fractures. Journal of Clinical Medicine, 2020, 9, 626. | 2.4 | 8 |
| 21 | 3D Bioprinting of Methylcellulose/Gelatin-Methacryloyl (MC/GelMA) Bioink with High Shape Integrity. ACS Applied Bio Materials, 2020, 3, 1815-1826. | 4.6 | 83 |
| 22 | Human osteocyte expression of Nerve Growth Factor: The effect of Pentosan Polysulphate Sodium (PPS) and implications for pain associated with knee osteoarthritis. PLoS ONE, 2019, 14, e0222602. | 2.5 | 17 |
| 23 | Osteocytes respond to particles of clinically-relevant conventional and cross-linked polyethylene and metal alloys by up-regulation of resorptive and inflammatory pathways. Acta Biomaterialia, 2019, 87, 296-306. | 8.3 | 41 |
| 24 | The Late Osteoblast/Preosteocyte Cell Line MLO-A5 Displays Mesenchymal Lineage Plasticity<i>In Vitro</i>and<i>In Vivo</i>. Stem Cells International, 2019, 2019, 1-10. | 2.5 | 4 |
| 25 | Elevated Serum 25-Hydroxyvitamin D Levels Are Associated with Improved Bone Formation and Micro-Structural Measures in Elderly Hip Fracture Patients. Journal of Clinical Medicine, 2019, 8, 1988. | 2.4 | 11 |
| 26 | Surgical Technique to Manage Periprosthetic Fractures of the Knee in Patients with Infected Leg Ulcers. JBJS Case Connector, 2019, 9, e0347-e0347. | 0.3 | 0 |
| 27 | Novel Insights into Staphylococcus aureus Deep Bone Infections: the Involvement of Osteocytes. MBio, 2018, 9, . | 4.1 | 114 |
| 28 | Micro- and nano-structured 3D printed titanium implants with a hydroxyapatite coating for improved osseointegration. Journal of Materials Chemistry B, 2018, 6, 3136-3144. | 5.8 | 62 |
| 29 | Both ligand and VDR expression levels critically determine the effect of 1 α ,25-dihydroxyvitamin-D3 on osteoblast differentiation. Journal of Steroid Biochemistry and Molecular Biology, 2018, 177, 83-90. | 2.5 | 13 |
| 30 | Absence of vitamin D receptor in mature osteoclasts results in altered osteoclastic activity and bone loss. Journal of Steroid Biochemistry and Molecular Biology, 2018, 177, 77-82. | 2.5 | 17 |
| 31 | Evidence for altered osteoclastogenesis in splenocyte cultures from VDR knockout mice. Journal of Steroid Biochemistry and Molecular Biology, 2018, 177, 96-102. | 2.5 | 1 |
| 32 | A Fluorometric Method for the Quantification of Cell Number in Complex Differentiating Osteoblast-Osteocyte Cultures. Methods and Protocols, 2018, 1, 14. | 2.0 | 0 |
| 33 | Time dependent loss of trabecular bone in human tibial plateau fractures. Journal of Orthopaedic Research, 2018, 36, 2865-2875. | 2.3 | 4 |
| 34 | Vitamin D Activities in Osteocytes. , 2018, , 319-327. | | 0 |
| 35 | Postoperative weight bearing and patient reported outcomes at one year following tibial plateau fractures. Injury, 2017, 48, 1650-1656. | 1.7 | 24 |
| 36 | Anodized 3D-printed titanium implants with dual micro- and nano-scale topography promote interaction with human osteoblasts and osteocyte-like cells. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 3313-3325. | 2.7 | 88 |

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|----|---|-----|-----------|
| 37 | 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. | 2.8 | 9 |
| 38 | Peroxidase enzymes inhibit osteoclast differentiation and bone resorption. <i>Molecular and Cellular Endocrinology</i> , 2017, 440, 8-15. | 3.2 | 14 |
| 39 | Adoptive transfer of ex vivo expanded $\text{V}\beta 9\text{T}$ 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. | 7.2 | 24 |
| 40 | Drug diffusion, integration, and stability of nanoengineered drug-releasing implants in bone <i>ex vivo</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 714-725. | 4.0 | 32 |
| 41 | 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. | 2.5 | 4 |
| 42 | Isolation of osteocytes from human trabecular bone. <i>Bone</i> , 2016, 88, 64-72. | 2.9 | 35 |
| 43 | Reversal of established bone pathology in MPS VII mice following lentiviral-mediated gene therapy. <i>Molecular Genetics and Metabolism</i> , 2016, 119, 249-257. | 1.1 | 13 |
| 44 | 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. | 7.3 | 53 |
| 45 | Anticancer efficacy of the hypoxia-activated prodrug evofosfamide (TH-302) in osteolytic breast cancer murine models. <i>Cancer Medicine</i> , 2016, 5, 534-545. | 2.8 | 27 |
| 46 | Evidence for altered osteoclastogenesis in splenocyte cultures from Cyp27b1 knockout mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 353-360. | 2.5 | 8 |
| 47 | Early response of the human SOST gene to stimulation by $1\alpha,25$ -dihydroxyvitamin D3. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 369-373. | 2.5 | 14 |
| 48 | Osteocytes: The master cells in bone remodelling. <i>Current Opinion in Pharmacology</i> , 2016, 28, 24-30. | 3.5 | 170 |
| 49 | Evidence that osteocyte perilacunar remodelling contributes to polyethylene wear particle induced osteolysis. <i>Acta Biomaterialia</i> , 2016, 33, 242-251. | 8.3 | 57 |
| 50 | Peroxidase Enzymes Regulate Collagen Biosynthesis and Matrix Mineralization by Cultured Human Osteoblasts. <i>Calcified Tissue International</i> , 2016, 98, 294-305. | 3.1 | 12 |
| 51 | 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. | 2.5 | 14 |
| 52 | Semaphorin-3a, neuropilin-1 and plexin-A1 in prosthetic-particle induced bone loss. <i>Acta Biomaterialia</i> , 2016, 30, 311-318. | 8.3 | 17 |
| 53 | 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. | 2.5 | 12 |
| 54 | Nanoengineered drug releasing aluminium wire implants: a model study for localized bone therapy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3288-3296. | 5.8 | 14 |

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|----|--|-----|-----------|
| 55 | 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. | 7.2 | 42 |
| 56 | 1,25-dihydroxyvitamin D3 stimulates human SOST gene expression and sclerostin secretion. <i>Molecular and Cellular Endocrinology</i> , 2015, 413, 157-167. | 3.2 | 43 |
| 57 | 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. | 1.7 | 14 |
| 58 | 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. | 2.8 | 47 |
| 59 | Titania Nanotubes for Local Drug Delivery from Implant Surfaces. <i>Springer Series in Materials Science</i> , 2015, , 307-355. | 0.6 | 19 |
| 60 | 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. | 5.8 | 22 |
| 61 | 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. | 3.6 | 6 |
| 62 | 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. | 3.2 | 24 |
| 63 | Regulation of FGF23 expression in IDC-SW3 osteocytes and human bone by pro-inflammatory stimuli. <i>Molecular and Cellular Endocrinology</i> , 2015, 399, 208-218. | 3.2 | 148 |
| 64 | First Australian report of vitamin D-dependent rickets type I. <i>Medical Journal of Australia</i> , 2014, 201, 420-421. | 1.7 | 3 |
| 65 | 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. | 3.3 | 20 |
| 66 | Osteoblast-Chondrocyte Interactions in Osteoarthritis. <i>Current Osteoporosis Reports</i> , 2014, 12, 127-134. | 3.6 | 122 |
| 67 | 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. | 0.8 | 11 |
| 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. | 2.5 | 33 |
| 69 | 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. | 2.5 | 44 |
| 70 | 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. | 2.5 | 23 |
| 71 | 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. | 3.1 | 97 |
| 72 | Doxorubicin overcomes resistance to drozitumab by antagonizing Inhibitor of Apoptosis Proteins (IAPs). <i>Anticancer Research</i> , 2014, 34, 7007-20. | 1.1 | 3 |

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|----|---|-----|-----------|
| 73 | 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. | 2.5 | 51 |
| 74 | Periprosthetic osteolysis after total hip replacement: molecular pathology and clinical management. <i>Inflammopharmacology</i> , 2013, 21, 389-396. | 3.9 | 35 |
| 75 | Modulation of osteoclastic migration by metabolism of 25(OH)-vitamin D3. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 136, 59-61. | 2.5 | 14 |
| 76 | 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. | 3.2 | 27 |
| 77 | Critical role of p38 MAPK for regeneration of the sciatic nerve following crush injury in vivo. <i>Journal of Neuroinflammation</i> , 2013, 10, 1. | 7.2 | 131 |
| 78 | The pleiotropic effects of vitamin D in bone. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 136, 190-194. | 2.5 | 55 |
| 79 | 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. | 2.8 | 130 |
| 80 | 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. | 3.4 | 20 |
| 81 | Nano-engineered titanium for enhanced bone therapy. <i>Proceedings of SPIE</i> , 2013, , . | 0.8 | 17 |
| 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. | 2.1 | 21 |
| 83 | Mammals and minerals: a story of lactation and lacunae. <i>IBMS BoneKEy</i> , 2012, 9, . | 0.0 | 0 |
| 84 | A Bioinformatics Resource for TWEAK-Fn14 Signaling Pathway. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-10. | 2.0 | 24 |
| 85 | Osteocyte regulation of bone mineral: a little give and take. <i>Osteoporosis International</i> , 2012, 23, 2067-2079. | 3.1 | 148 |
| 86 | 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. | 8.3 | 20 |
| 87 | Characterization of drug-release kinetics in trabecular bone from titania nanotube implants. <i>International Journal of Nanomedicine</i> , 2012, 7, 4883. | 6.7 | 32 |
| 88 | Biocompatible polymer coating of titania nanotube arrays for improved drug elution and osteoblast adhesion. <i>Acta Biomaterialia</i> , 2012, 8, 449-456. | 8.3 | 251 |
| 89 | 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. | 3.5 | 40 |
| 90 | Vitamin D metabolism within bone cells: Effects on bone structure and strength. <i>Molecular and Cellular Endocrinology</i> , 2011, 347, 42-47. | 3.2 | 51 |

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|-----|--|------|-----------|
| 91 | Sclerostin Stimulates Osteocyte Support of Osteoclast Activity by a RANKL-Dependent Pathway. PLoS ONE, 2011, 6, e25900. | 2.5 | 419 |
| 92 | Relationship between serum RANKL and RANKL in bone. Osteoporosis International, 2011, 22, 2597-2602. | 3.1 | 62 |
| 93 | 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. | 2.8 | 209 |
| 94 | An update on primary hip osteoarthritis including altered Wnt and TGF- β associated gene expression from the bony component of the disease. Rheumatology, 2011, 50, 2166-2175. | 1.9 | 16 |
| 95 | Target Genes. , 2011, , 411-424. | | 16 |
| 96 | TWEAK and TNF Regulation of Sclerostin: A Novel Pathway for the Regulation of Bone Remodelling. Advances in Experimental Medicine and Biology, 2011, 691, 337-348. | 1.6 | 15 |
| 97 | Role of polyethylene particles in peri-prosthetic osteolysis: A review. World Journal of Orthopedics, 2011, 2, 93. | 1.8 | 44 |
| 98 | 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. Journal of Bone and Mineral Research, 2010, 15, 332-341. | 2.8 | 44 |
| 99 | Expression of Osteoclast Differentiation Signals by Stromal Elements of Giant Cell Tumors. Journal of Bone and Mineral Research, 2010, 15, 640-649. | 2.8 | 168 |
| 100 | Circulating levels of TWEAK correlate with bone erosion in multiple myeloma patients. British Journal of Haematology, 2010, 150, 373-376. | 2.5 | 5 |
| 101 | Osteoclastic Metabolism of 25(OH)-Vitamin D3: A Potential Mechanism for Optimization of Bone Resorption. Endocrinology, 2010, 151, 4613-4625. | 2.8 | 127 |
| 102 | The metabolism of 25-(OH)vitamin D3 by osteoclasts and their precursors regulates the differentiation of osteoclasts. Journal of Steroid Biochemistry and Molecular Biology, 2010, 121, 277-280. | 2.5 | 63 |
| 103 | Apo2L/TRAIL Inhibits Tumor Growth and Bone Destruction in a Murine Model of Multiple Myeloma. Clinical Cancer Research, 2009, 15, 1998-2009. | 7.0 | 32 |
| 104 | Vitamin K promotes mineralization, osteoblast-to-osteocyte transition, and an anticatabolic phenotype by β -carboxylation-dependent and -independent mechanisms. American Journal of Physiology - Cell Physiology, 2009, 297, C1358-C1367. | 4.6 | 108 |
| 105 | The generation of osteoclasts from RAW 264.7 precursors in defined, serum-free conditions. Journal of Bone and Mineral Metabolism, 2009, 27, 114-119. | 2.7 | 55 |
| 106 | Biomimetic hydroxyapatite coating on glass coverslips for the assay of osteoclast activity in vitro. Journal of Materials Science: Materials in Medicine, 2009, 20, 1467-1473. | 3.6 | 15 |
| 107 | Strontium ranelate treatment of human primary osteoblasts promotes an osteocyte-like phenotype while eliciting an osteoprotegerin response. Osteoporosis International, 2009, 20, 653-664. | 3.1 | 169 |
| 108 | The induction of a catabolic phenotype in human primary osteoblasts and osteocytes by polyethylene particles. Biomaterials, 2009, 30, 3672-3681. | 11.4 | 96 |

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|-----|--|------|-----------|
| 109 | 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. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1434-1449. | 2.8 | 161 |
| 110 | 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. | 4.0 | 78 |
| 111 | Calcitonin Receptor Plays a Physiological Role to Protect Against Hypercalcemia in Mice. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1182-1193. | 2.8 | 76 |
| 112 | Bril: A Novel Bone-Specific Modulator of Mineralization. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1497-1508. | 2.8 | 128 |
| 113 | The skeleton as an intracrine organ for vitamin D metabolism. <i>Molecular Aspects of Medicine</i> , 2008, 29, 397-406. | 6.4 | 82 |
| 114 | Does Apo2L/TRAIL play any physiologic role in osteoclastogenesis?. <i>Blood</i> , 2008, 111, 5411-5412. | 1.4 | 18 |
| 115 | Metabolism of vitamin D3 in human osteoblasts: Evidence for autocrine and paracrine activities of 1 α ,25-dihydroxyvitamin D3. <i>Bone</i> , 2007, 40, 1517-1528. | 2.9 | 229 |
| 116 | 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. | 2.5 | 41 |
| 117 | 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. | 2.8 | 120 |
| 118 | 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. | 11.4 | 114 |
| 119 | TWEAK Is a Novel Arthritogenic Mediator. <i>Journal of Immunology</i> , 2006, 177, 2610-2620. | 0.8 | 141 |
| 120 | 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. | 4.1 | 34 |
| 121 | Osteoprotegerin (OPG) is localized to the Weibel-Palade bodies of human vascular endothelial cells and is physically associated with von Willebrand factor. <i>Journal of Cellular Physiology</i> , 2005, 204, 714-723. | 4.1 | 141 |
| 122 | Target Genes: Bone Proteins. , 2005, , 711-720. | | 3 |
| 123 | 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. | 3.8 | 124 |
| 124 | The proliferation and phenotypic expression of human osteoblasts on tantalum metal. <i>Biomaterials</i> , 2004, 25, 2215-2227. | 11.4 | 179 |
| 125 | The nitrogen-containing bisphosphonate, zoledronic acid, increases mineralisation of human bone-derived cells in vitro. <i>Bone</i> , 2004, 34, 112-123. | 2.9 | 104 |
| 126 | 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. | 2.9 | 68 |

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|-----|--|-----|-----------|
| 127 | 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. | 2.8 | 41 |
| 128 | RANKL Expression Is Related to the Differentiation State of Human Osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 1088-1098. | 2.8 | 213 |
| 129 | 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. | 6.4 | 61 |
| 130 | Receptor activator of nuclear factor-kappaB ligand expression by human myeloma cells mediates osteoclast formation in vitro and correlates with bone destruction in vivo. <i>Cancer Research</i> , 2003, 63, 5438-45. | 0.9 | 177 |
| 131 | Calcitonin decreases the adherence and survival of HEK-293 cells by a caspase-independent mechanism. <i>Journal of Endocrinology</i> , 2002, 175, 715-725. | 2.6 | 19 |
| 132 | Human osteoblasts are resistant to Apo2L/TRAIL-mediated apoptosis. <i>Bone</i> , 2002, 31, 448-456. | 2.9 | 66 |
| 133 | Chemotherapeutic agents sensitize osteogenic sarcoma cells, but not normal human bone cells, to apo2l/trail-induced apoptosis. <i>International Journal of Cancer</i> , 2002, 99, 491-504. | 5.1 | 136 |
| 134 | Osteoprotegerin inhibits osteoclast formation and bone resorbing activity in giant cell tumors of bone. <i>Bone</i> , 2001, 28, 370-377. | 2.9 | 99 |
| 135 | Expression of Defensin Antimicrobial Peptides in the Peritoneal Cavity of Patients on Peritoneal Dialysis. <i>Peritoneal Dialysis International</i> , 2001, 21, 501-508. | 2.3 | 13 |
| 136 | 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. | 2.8 | 123 |
| 137 | The osteoclastogenic molecules RANKL and RANK are associated with periprosthetic osteolysis. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2001, 83, 902-911. | 3.4 | 143 |
| 138 | Coordinated cytokine expression by stromal and hematopoietic cells during human osteoclast formation. <i>Bone</i> , 2000, 26, 653-661. | 2.9 | 77 |
| 139 | Expression of fibrillins and other microfibril-associated proteins in human bone and osteoblast-like cells. <i>Bone</i> , 2000, 27, 61-67. | 2.9 | 57 |
| 140 | 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 |
| 141 | Bidirectional signaling between stromal and hemopoietic cells regulates interleukin-1 expression during human osteoclast formation. <i>Bone</i> , 1999, 25, 269-278. | 2.9 | 45 |
| 142 | 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. | 2.3 | 2 |