

G D Roodman

List of Publications by Year in descending order

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105
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11,776
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28274

55
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28297

105
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105
all docs

105
docs citations

105
times ranked

6644
citing authors

#	ARTICLE	IF	CITATIONS
1	Bisphosphonates promote apoptosis in murine osteoclasts in vitro and in vivo. <i>Journal of Bone and Mineral Research</i> , 1995, 10, 1478-1487.	2.8	897
2	Osteoclast-Like Cell Formation and its Regulation by Osteotropic Hormones in Mouse Bone Marrow Cultures*. <i>Endocrinology</i> , 1988, 122, 1373-1382.	2.8	716
3	Cell biology of the osteoclast. <i>Experimental Hematology</i> , 1999, 27, 1229-1241.	0.4	511
4	Interleukin-1 and tumor necrosis factor stimulate the formation of human osteoclastlike cells in vitro. <i>Journal of Bone and Mineral Research</i> , 1989, 4, 113-118.	2.8	415
5	Advances in Bone Biology: The Osteoclast*. <i>Endocrine Reviews</i> , 1996, 17, 308-332.	20.1	372
6	Interleukin 6. A potential autocrine/paracrine factor in Paget's disease of bone.. <i>Journal of Clinical Investigation</i> , 1992, 89, 46-52.	8.2	343
7	Macrophage inflammatory protein-1 α is an osteoclastogenic factor in myeloma that is independent of receptor activator of nuclear factor κ B ligand. <i>Blood</i> , 2001, 97, 3349-3353.	1.4	321
8	Pathogenesis of myeloma bone disease. <i>Leukemia</i> , 2009, 23, 435-441.	7.2	316
9	IL-6 stimulates osteoclast-like multinucleated cell formation in long term human marrow cultures by inducing IL-1 release. <i>Journal of Immunology</i> , 1990, 144, 4226-30.	0.8	313
10	Theoretical perspective: A new model for the regulation of bone resorption, with particular reference to the effects of bisphosphonates. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 150-159.	2.8	289
11	Biology of Osteoclast Activation in Cancer. <i>Journal of Clinical Oncology</i> , 2001, 19, 3562-3571.	1.6	278
12	Transforming growth factor beta inhibits formation of osteoclast-like cells in long-term human marrow cultures.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 5683-5687.	7.1	272
13	1,25-Dihydroxyvitamin D3 causes formation of multinucleated cells with several osteoclast characteristics in cultures of primate marrow.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985, 82, 8213-8217.	7.1	261
14	Perspectives: Interleukin-6: An osteotropic factor?. <i>Journal of Bone and Mineral Research</i> , 1992, 7, 475-478.	2.8	257
15	Interleukin-6 enhances hypercalcemia and bone resorption mediated by parathyroid hormone-related protein in vivo.. <i>Journal of Clinical Investigation</i> , 1995, 95, 2846-2852.	8.2	230
16	Identification of Committed Mononuclear Precursors for Osteoclast-Like Cells Formed in Long Term Human Marrow Cultures*. <i>Endocrinology</i> , 1990, 126, 2733-2741.	2.8	219
17	Identification and characterization of osteoclast-like cells and their progenitors in cultures of feline marrow mononuclear cells.. <i>Journal of Cell Biology</i> , 1984, 99, 471-480.	5.2	208
18	Intracellular Fragmentation of Bone Resorption Products by Reactive Oxygen Species Generated by Osteoclastic Tartrate-resistant Acid Phosphatase. <i>Journal of Biological Chemistry</i> , 1999, 274, 22907-22910.	3.4	208

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19	Effects of human recombinant CSF-GM and highly purified CSF-1 on the formation of multinucleated cells with osteoclast characteristics in long-term bone marrow cultures. <i>Journal of Bone and Mineral Research</i> , 1986, 1, 227-233.	2.8	198
20	Regulation of Osteoclast Differentiation. <i>Annals of the New York Academy of Sciences</i> , 2006, 1068, 100-109.	3.8	172
21	Formation of Multinucleated Cells that Respond to Osteotropic Hormones in Long Term Human Bone Marrow Cultures*. <i>Endocrinology</i> , 1987, 120, 2326-2333.	2.8	161
22	Role of cytokines in the regulation of bone resorption. <i>Calcified Tissue International</i> , 1993, 53, S94-S98.	3.1	152
23	Tumors Producing Human Tumor Necrosis Factor Induce Hypercalcemia and Osteoclastic Bone Resorption in Nude Mice*. <i>Endocrinology</i> , 1989, 124, 1424-1427.	2.8	151
24	Evidence for an autocrine/paracrine role for interleukin-6 in bone resorption by giant cells from giant cell tumors of bone.. <i>Endocrinology</i> , 1992, 131, 2229-2234.	2.8	148
25	Genetic Linkage of Paget Disease of the Bone to Chromosome 18q. <i>American Journal of Human Genetics</i> , 1997, 61, 1117-1122.	6.2	147
26	Enhanced RANK ligand expression and responsivity of bone marrow cells in Paget's disease of bone. <i>Journal of Clinical Investigation</i> , 2000, 105, 1833-1838.	8.2	142
27	Myeloma bone disease. <i>Seminars in Hematology</i> , 2001, 38, 276-285.	3.4	139
28	Recombinant human interferon-gamma inhibits formation of human osteoclast-like cells. <i>Journal of Immunology</i> , 1986, 137, 3544-9.	0.8	137
29	Osteoclasts expressing the measles virus nucleocapsid gene display a pagetic phenotype. <i>Journal of Clinical Investigation</i> , 2000, 105, 607-614.	8.2	128
30	Macrophage inflammatory protein 1-alpha is a potential osteoclast stimulatory factor in multiple myeloma. <i>Blood</i> , 2000, 96, 671-5.	1.4	123
31	Downregulation of calcitonin receptor mRNA expression by calcitonin during human osteoclast-like cell differentiation.. <i>Journal of Clinical Investigation</i> , 1995, 95, 167-171.	8.2	112
32	Recombinant human transforming growth factor-alpha stimulates the formation of osteoclast-like cells in long-term human marrow cultures.. <i>Journal of Clinical Investigation</i> , 1986, 78, 894-898.	8.2	111
33	Osteotropic factor responsiveness of highly purified populations of early and late precursors for human multinucleated cells expressing the osteoclast phenotype. <i>Journal of Bone and Mineral Research</i> , 1991, 6, 257-261.	2.8	110
34	IL-6 Mediates the Effects of IL-1 or TNF, but Not PTHrP or 1,25(OH)2D3, on Osteoclast-like Cell Formation in Normal Human Bone Marrow Cultures. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 393-399.	2.8	105
35	Evidence for a Novel Osteosarcoma Tumor-Suppressor Gene in the Chromosome 18 Region Genetically Linked with Paget Disease of Bone. <i>American Journal of Human Genetics</i> , 1998, 63, 817-824.	6.2	102
36	Tumor necrosis factor-alpha and hematopoietic progenitors: effects of tumor necrosis factor on the growth of erythroid progenitors CFU-E and BFU-E and the hematopoietic cell lines K562, HL60, and HEL cells. <i>Experimental Hematology</i> , 1987, 15, 928-35.	0.4	99

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37	Annexin II increases osteoclast formation by stimulating the proliferation of osteoclast precursors in human marrow cultures. <i>Journal of Clinical Investigation</i> , 1999, 103, 1605-1613.	8.2	97
38	ADAM8: A Novel Osteoclast Stimulating Factor. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 814-822.	2.8	93
39	Cloning and identification of annexin II as an autocrine/paracrine factor that increases osteoclast formation and bone resorption.. <i>Journal of Biological Chemistry</i> , 1994, 269, 28696-28701.	3.4	92
40	Bone marrow mononuclear cells from patients with Paget's disease contain measles virus nucleocapsid messenger ribonucleic acid that has mutations in a specific region of the sequence.. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1995, 80, 2108-2111.	3.6	91
41	Identification of Human Asparaginyl Endopeptidase (Legumain) as an Inhibitor of Osteoclast Formation and Bone Resorption. <i>Journal of Biological Chemistry</i> , 1999, 274, 27747-27753.	3.4	87
42	Detection of measles virus nucleocapsid transcripts in circulating blood cells from patients with paget disease. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 1602-1607.	2.8	83
43	Characterization of the mouse tartrate-resistant acid phosphatase (trap) gene promoter. <i>Journal of Bone and Mineral Research</i> , 1995, 10, 601-606.	2.8	83
44	1,25-Dihydroxyvitamin D3 Hypersensitivity of Osteoclast Precursors from Patients with Paget's Disease. <i>Journal of Bone and Mineral Research</i> , 2010, 15, 228-236.	2.8	81
45	Atypical multinucleated cells form in long-term marrow cultures from patients with Paget's disease.. <i>Journal of Clinical Investigation</i> , 1990, 85, 1280-1286.	8.2	79
46	Cloning and identification of annexin II as an autocrine/paracrine factor that increases osteoclast formation and bone resorption. <i>Journal of Biological Chemistry</i> , 1994, 269, 28696-701.	3.4	76
47	Antisense inhibition of macrophage inflammatory protein 1- β blocks bone destruction in a model of myeloma bone disease. <i>Journal of Clinical Investigation</i> , 2001, 108, 1833-1841.	8.2	75
48	Osteoclast-like cells form in long-term human bone marrow but not in peripheral blood cultures.. <i>Journal of Clinical Investigation</i> , 1989, 83, 543-550.	8.2	72
49	Multinucleated cells formed in vitro from Paget's bone marrow express viral antigens. <i>Bone</i> , 1994, 15, 443-448.	2.9	70
50	Osteoclasts Formed by Measles Virus-Infected Osteoclast Precursors from hCD46 Transgenic Mice Express Characteristics of Pagetic Osteoclasts*. <i>Endocrinology</i> , 2001, 142, 2898-2905.	2.8	68
51	Abnormalities in osteoclast precursors and marrow accessory cells in Paget's disease.. <i>Endocrinology</i> , 1993, 133, 1978-1982.	2.8	67
52	Interleukin-6 antisense deoxyoligonucleotides inhibit bone resorption by giant cells from human giant cell tumors of bone. <i>Journal of Bone and Mineral Research</i> , 1994, 9, 753-757.	2.8	64
53	5-Lipoxygenase metabolites of arachidonic acid stimulate isolated osteoclasts to resorb calcified matrices. <i>Journal of Biological Chemistry</i> , 1993, 268, 10087-94.	3.4	64
54	Expansile Skeletal Hyperphosphatasia: A New Familial Metabolic Bone Disease. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 2330-2344.	2.8	63

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55	Sequential Expression of Phenotype Markers for Osteoclasts during Differentiation of Precursors for Multinucleated Cells Formed in Long Term Human Marrow Cultures*. Endocrinology, 1990, 127, 3215-3221.	2.8	60
56	Transcriptional regulation of the tartrate-resistant acid phosphatase (TRAP) gene by iron. Biochemical Journal, 1994, 298, 421-425.	3.7	58
57	Cell biology of paget's disease. Journal of Bone and Mineral Research, 1999, 14, 3-8.	2.8	56
58	Control of Osteoclast Differentiation. Critical Reviews in Eukaryotic Gene Expression, 1998, 8, 1-17.	0.9	56
59	CFU-GM-Derived Cells Form Osteoclasts at a Very High Efficiency. Biochemical and Biophysical Research Communications, 2000, 267, 943-946.	2.1	54
60	Immortalization of osteoclast precursors by targeting Bcl -XL and Simian virus 40 large T antigen to the osteoclast lineage in transgenic mice.. Journal of Clinical Investigation, 1998, 102, 88-97.	8.2	51
61	Isolation and characterization of a cDNA clone encoding a novel peptide (OSF) that enhances osteoclast formation and bone resorption. Journal of Cellular Physiology, 1998, 177, 636-645.	4.1	49
62	Osteoinductive factor inhibits formation of human osteoclast-like cells.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 3023-3026.	7.1	47
63	Osteoclast function in Paget's disease and multiple myeloma. Bone, 1995, 17, S57-S61.	2.9	45
64	Prostaglandin E2 inhibits formation of osteoclastlike cells in long-term human marrow cultures but is not a mediator of the inhibitory effects of transforming growth factor β 2. Journal of Bone and Mineral Research, 1990, 5, 677-681.	2.8	44
65	Blocking the ZZ domain of sequestosome1/p62 suppresses myeloma growth and osteoclast formation in vitro and induces dramatic bone formation in myeloma-bearing bones in vivo. Leukemia, 2016, 30, 390-398.	7.2	44
66	Paget's disease of bone: a disease of the osteoclast. Reviews in Endocrine and Metabolic Disorders, 2001, 2, 195-201.	5.7	41
67	Cloning and characterization of the 5' flanking region of the mouse tartrate-resistant acid phosphatase gene. Journal of Bone and Mineral Research, 1993, 8, 1263-1270.	2.8	41
68	Use of an in vivo model to determine the effects of interleukin-1 on cells at different stages in the osteoclast lineage. Journal of Bone and Mineral Research, 1995, 10, 295-301.	2.8	40
69	Osteoclast Differentiation. Critical Reviews in Oral Biology and Medicine, 1991, 2, 389-409.	4.4	39
70	Paget's disease and osteoclast biology. Bone, 1996, 19, 209-212.	2.9	39
71	Interferons α and β Inhibit Interleukin-1 β -Stimulated Osteoclast-Like Cell Formation in Long-Term Human Marrow Cultures. Journal of Interferon Research, 1990, 10, 541-547.	1.2	38
72	Mechanisms of erythroid suppression in the anemia of chronic disease. Nouvelle Revue Française D'hématologie, 1987, 13, 171-84.	0.7	38

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73	Measles virus nucleocapsid transcript expression is not restricted to the osteoclast lineage in patients with Paget's disease of bone. <i>Experimental Hematology</i> , 1999, 27, 1528-1532.	0.4	37
74	Treatment strategies for bone disease. <i>Bone Marrow Transplantation</i> , 2007, 40, 1139-1146.	2.4	36
75	Development and characterization of a human marrow stromal cell line that enhances osteoclast-like cell formation.. <i>Endocrinology</i> , 1995, 136, 1441-1449.	2.8	35
76	Cytokine Regulation of Bone Cell Differentiation. <i>Vitamins and Hormones</i> , 1996, 52, 63-98.	1.7	35
77	Effects of parathyroid hormone (PTH)-related protein and PTH on osteoclasts and osteoclast precursors in vivo.. <i>Endocrinology</i> , 1995, 136, 3207-3212.	2.8	33
78	The Genetics of Paget's Disease of the Bone. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 24-28.	3.6	31
79	Effects of stem cell factor on osteoclast-like cell formation in long-term human marrow cultures. <i>Journal of Bone and Mineral Research</i> , 1992, 7, 1337-1344.	2.8	31
80	Cloning and identification of human Sca as a novel inhibitor of osteoclast formation and bone resorption.. <i>Journal of Clinical Investigation</i> , 1998, 102, 1360-1368.	8.2	31
81	A murine model of inflammatory bone disease. <i>Bone</i> , 2000, 26, 183-188.	2.9	29
82	Osteoclast-like cell formation in fetal and newborn long-term baboon marrow cultures is more sensitive to 1,25-dihydroxyvitamin D3 than adult long-term marrow cultures. <i>Journal of Bone and Mineral Research</i> , 1987, 2, 311-317.	2.8	29
83	Galectin-1 suppression delineates a new strategy to inhibit myeloma-induced angiogenesis and tumoral growth in vivo. <i>Leukemia</i> , 2016, 30, 2351-2363.	7.2	29
84	Chronic exposure to tumor necrosis factor in vivo preferentially inhibits erythropoiesis in nude mice. <i>Blood</i> , 1989, 74, 130-8.	1.4	29
85	Characterization of the osteoclast vacuolar H ⁺ -ATPase B-subunit. <i>Gene</i> , 1995, 160, 157-164.	2.2	27
86	Osteoclast Inhibitory Peptide 2 Inhibits Osteoclast Formation via Its C-Terminal Fragment. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1804-1811.	2.8	27
87	Characterization of Immortalized Osteoclast Precursors Developed from Mice Transgenic for Both bcl-XL and Simian Virus 40 Large T Antigen*. <i>Endocrinology</i> , 1999, 140, 2954-2961.	2.8	26
88	Studies in Paget's disease and their relevance to oncology. <i>Seminars in Oncology</i> , 2001, 28, 15-21.	2.2	23
89	DNA polymerase, thymidine kinase and DNA synthesis in erythropoietic mouse spleen cells separated on bovine serum albumin gradients. <i>Nucleic Acids and Protein Synthesis</i> , 1976, 425, 478-491.	1.7	22
90	In vivo impact of a 4Åbp deletion mutation in the DLX3 gene on bone development. <i>Developmental Biology</i> , 2009, 325, 129-137.	2.0	22

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91	Perspective on the Osteoclast: An Angiogenic Cell?. Annals of the New York Academy of Sciences, 2007, 1117, 12-25.	3.8	19
92	In utero bone marrow transplantation of fetal baboons with mismatched adult baboon marrow. Nouvelle Revue Française D'Histologie, 1991, 17, 367-75.	0.7	17
93	Variable disease severity associated with a paget's disease predisposition gene. Journal of Bone and Mineral Research, 1999, 14, 17-20.	2.8	16
94	Osteoclast-like cells formed in long-term human bone marrow cultures express a similar surface phenotype as authentic osteoclasts. Laboratory Investigation, 1989, 60, 532-8.	3.7	15
95	Application of Bone Marrow Cultures to the Study of Osteoclast Formation and Osteoclast Precursors in Man. Calcified Tissue International, 1995, 56, S22-S23.	3.1	14
96	Mechanisms of abnormal bone turnover in Paget's disease. Bone, 1999, 24, 39S-40S.	2.9	13
97	Effects of parathyroid hormone (PTH)-related protein and PTH on osteoclasts and osteoclast precursors in vivo. Endocrinology, 1995, 136, 3207-3212.	2.8	11
98	In utero bone marrow transplantation of fetal baboons with mismatched adult marrow: initial observations. Bone Marrow Transplantation, 1988, 3, 141-7.	2.4	8
99	Biology of the osteoclast in Paget's disease. Seminars in Arthritis and Rheumatism, 1994, 23, 235-236.	3.4	6
100	Further characterization of the murine collagenase (type IVB) gene promoter and analysis of mRNA expression in murine tissues. Gene, 1998, 208, 117-122.	2.2	6
101	Osteoclast differentiation and activity. Biochemical Society Transactions, 1998, 26, 7-13.	3.4	6
102	Pagetic osteoclasts formed in vitro: absence of paracrystalline inclusions. Journal of Submicroscopic Cytology and Pathology, 1998, 30, 315-27.	0.3	2
103	Model systems of osteoclast differentiation. Japanese Journal of Bone and Mineral Metabolism, 1988, 6, 1-11.	0.1	1
104	The Role of the CXCR4 Inhibitor AMD3100 in Multiple Myeloma (MM).. Blood, 2005, 106, 2492-2492.	1.4	1
105	Expression of latent hematopoietic progenitor cells in cultures of newborn and adult baboon liver. Blood, 1985, 65, 1518-25.	1.4	1