

R Graham Russell

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

326
papers

25,140
citations

80
h-index

150
g-index

328
ext. papers

26,627
ext. citations

8.3
avg, IF

6.63
L-index

#	Paper	IF	Citations
326	Diagnosis and Management of Paget's Disease of Bone in Adults: A Clinical Guideline. <i>Journal of Bone and Mineral Research</i> , 2019 , 34, 579-604	6.3	51
325	Pharmacology of bisphosphonates. <i>British Journal of Clinical Pharmacology</i> , 2019 , 85, 1052-1062	3.8	59
324	Functional Characterization of a GGPPS Variant Identified in Atypical Femoral Fracture Patients and Delineation of the Role of GGPPS in Bone-Relevant Cell Types. <i>Journal of Bone and Mineral Research</i> , 2018 , 33, 2091-2098	6.3	12
323	Design, Synthesis, and Antimicrobial Evaluation of a Novel Bone-Targeting Bisphosphonate-Ciprofloxacin Conjugate for the Treatment of Osteomyelitis Biofilms. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 2326-2343	8.3	58
322	GGPS1 Mutation and Atypical Femoral Fractures with Bisphosphonates. <i>New England Journal of Medicine</i> , 2017 , 376, 1794-1795	59.2	32
321	The Pharmacological Profile of a Novel Highly Potent Bisphosphonate, OX14 (1-Fluoro-2-(Imidazo-[1,2- <i>b</i>]pyridin-3-yl)-Ethyl-Bisphosphonate). <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 1860-1869	6.3	18
320	Fluorescent Bisphosphonate and Carboxyphosphonate Probes: A Versatile Imaging Toolkit for Applications in Bone Biology and Biomedicine. <i>Bioconjugate Chemistry</i> , 2016 , 27, 329-40	6.3	36
319	Pyrophosphate: a key inhibitor of mineralisation. <i>Current Opinion in Pharmacology</i> , 2016 , 28, 57-68	5.1	81
318	Developments in the synthesis of new functionalized bisphosphonate drug candidates such as cyclic prodrugs. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1504-1508	1	3
317	Zoledronate Attenuates Accumulation of DNA Damage in Mesenchymal Stem Cells and Protects Their Function. <i>Stem Cells</i> , 2016 , 34, 756-67	5.8	34
316	The inhibition of human farnesyl pyrophosphate synthase by nitrogen-containing bisphosphonates. Elucidating the role of active site threonine 201 and tyrosine 204 residues using enzyme mutants. <i>Bone</i> , 2015 , 81, 478-486	4.7	28
315	Pharmacological diversity among drugs that inhibit bone resorption. <i>Current Opinion in Pharmacology</i> , 2015 , 22, 115-30	5.1	24
314	Bisphosphonates and colon cancer: reply. <i>Osteoporosis International</i> , 2013 , 24, 1141-2	5.3	
313	Eliminating the need for fasting with oral administration of bisphosphonates. <i>Therapeutics and Clinical Risk Management</i> , 2013 , 9, 395-402	2.9	33
312	Risedronate in adults with osteogenesis imperfecta type I: increased bone mineral density and decreased bone turnover, but high fracture rate persists. <i>Osteoporosis International</i> , 2012 , 23, 285-94	5.3	42
311	Bisphosphonate binding affinity affects drug distribution in both intracortical and trabecular bone of rabbits. <i>Calcified Tissue International</i> , 2012 , 90, 202-10	3.9	34
310	Reduced colon cancer incidence and mortality in postmenopausal women treated with an oral bisphosphonate--Danish National Register Based Cohort Study. <i>Osteoporosis International</i> , 2012 , 23, 2693-701	5.3	61

309	Incidence of fractures of the femur, including subtrochanteric, up to 8 years since initiation of oral bisphosphonate therapy: a register-based cohort study using the US MarketScan claims databases. <i>Osteoporosis International</i> , 2012 , 23, 2873-84	5.3	22
308	Esophageal and gastric cancer incidence and mortality in alendronate users. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 679-86	6.3	46
307	Influence of bone affinity on the skeletal distribution of fluorescently labeled bisphosphonates in vivo. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 835-47	6.3	85
306	Denosumab and bisphosphonates: different mechanisms of action and effects. <i>Bone</i> , 2011 , 48, 677-92	4.7	445
305	The relationship between the chemistry and biological activity of the bisphosphonates. <i>Bone</i> , 2011 , 49, 20-33	4.7	282
304	Risedronate does not reduce mechanical loading-related increases in cortical and trabecular bone mass in mice. <i>Bone</i> , 2011 , 49, 133-9	4.7	32
303	Bisphosphonates: the first 40 years. <i>Bone</i> , 2011 , 49, 2-19	4.7	756
302	Potential therapeutic effects of oral bisphosphonates on the intestine. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1240, E19-25	6.5	12
301	Molecular characterization of a novel geranylgeranyl pyrophosphate synthase from Plasmodium parasites. <i>Journal of Biological Chemistry</i> , 2011 , 286, 3315-22	5.4	42
300	2009 Santa Fe Bone symposium. <i>Journal of Clinical Densitometry</i> , 2010 , 13, 1-9	3.5	6
299	Novel mutations in ACVR1 result in atypical features in two fibrodysplasia ossificans progressiva patients. <i>PLoS ONE</i> , 2009 , 4, e5005	3.7	62
298	Osteonecrosis of the jaw: more heat than light. <i>Journal of Nuclear Medicine</i> , 2009 , 50, 6-7	8.9	11
297	Structure-activity relationships among the nitrogen containing bisphosphonates in clinical use and other analogues: time-dependent inhibition of human farnesyl pyrophosphate synthase. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 2187-95	8.3	125
296	Fluorescently labeled risedronate and related analogues: "magic linker" synthesis. <i>Bioconjugate Chemistry</i> , 2008 , 19, 2308-10	6.3	47
295	Mechanisms of action of bisphosphonates: similarities and differences and their potential influence on clinical efficacy. <i>Osteoporosis International</i> , 2008 , 19, 733-59	5.3	1008
294	Regulation of bim in glucocorticoid-mediated osteoblast apoptosis. <i>Journal of Cellular Physiology</i> , 2008 , 215, 488-96	7	44
293	Targeting a uniquely nonspecific prenyl synthase with bisphosphonates to combat cryptosporidiosis. <i>Chemistry and Biology</i> , 2008 , 15, 1296-306		35
292	Synthesis and biological evaluation of alpha-halogenated bisphosphonate and phosphonocarboxylate analogues of risedronate. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 5967-75	8.3	64

291	Apomine, an inhibitor of HMG-CoA-reductase, promotes apoptosis of myeloma cells in vitro and is associated with a modulation of myeloma in vivo. <i>International Journal of Cancer</i> , 2007 , 120, 1657-63	7.5	18
290	Agonists of TRAIL death receptors induce myeloma cell apoptosis that is not prevented by cells of the bone marrow microenvironment. <i>Leukemia</i> , 2007 , 21, 805-12	10.7	18
289	Herbert Andre Fleisch, MD. <i>Journal of Bone and Mineral Research</i> , 2007 , 22, 1651-3	6.3	1
288	Apomine enhances the antitumor effects of lovastatin on myeloma cells by down-regulating 3-hydroxy-3-methylglutaryl-coenzyme A reductase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 322, 228-35	4.7	8
287	Selective targeting of death receptor 5 circumvents resistance of MG-63 osteosarcoma cells to TRAIL-induced apoptosis. <i>Molecular Cancer Therapeutics</i> , 2007 , 6, 3219-28	6.1	25
286	Determinants of structure-function relationships among bisphosphonates. <i>Bone</i> , 2007 , 40, S21-S25	4.7	61
285	Selective inhibition of Rab prenylation by a phosphonocarboxylate analogue of risedronate induces apoptosis, but not S-phase arrest, in human myeloma cells. <i>International Journal of Cancer</i> , 2006 , 119, 1254-61	7.5	52
284	The crystal structure of human geranylgeranyl pyrophosphate synthase reveals a novel hexameric arrangement and inhibitory product binding. <i>Journal of Biological Chemistry</i> , 2006 , 281, 22004-22012	5.4	113
283	The molecular mechanism of nitrogen-containing bisphosphonates as antiosteoporosis drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 7829-34	11.5	423
282	Novel insights into actions of bisphosphonates on bone: differences in interactions with hydroxyapatite. <i>Bone</i> , 2006 , 38, 617-27	4.7	646
281	Molecular interactions of nitrogen-containing bisphosphonates within farnesyl diphosphate synthase. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 2679-2687	2.3	28
280	Association of sporadic chondrocalcinosis with a -4-basepair G-to-A transition in the 5' untranslated region of ANKH that promotes enhanced expression of ANKH protein and excess generation of extracellular inorganic pyrophosphate. <i>Arthritis and Rheumatism</i> , 2005 , 52, 1110-7		69
279	Ibandronate in osteoporosis: preclinical data and rationale for intermittent dosing. <i>Osteoporosis International</i> , 2004 , 15, 423-33	5.3	108
278	Osteoporosis: pathogenesis and clinical intervention. <i>Biochemical Society Transactions</i> , 2003 , 31, 462-4	5.1	5
277	Statins and bone: myth or reality?. <i>Calcified Tissue International</i> , 2001 , 69, 63-6	3.9	18
276	Effect of high doses of oral risedronate (20 mg/day) on serum parathyroid hormone levels and urinary collagen cross-link excretion in postmenopausal women with spinal osteoporosis. <i>Bone</i> , 2001 , 28, 108-12	4.7	16
275	Human myeloma cells promote the production of interleukin 6 by primary human osteoblasts. <i>British Journal of Haematology</i> , 2000 , 108, 383-90	4.5	59
274	Prevention of bone loss with risedronate in glucocorticoid-treated rheumatoid arthritis patients. <i>Osteoporosis International</i> , 2000 , 11, 331-7	5.3	106

273	Bisphosphonates--mechanisms of action in multiple myeloma. <i>Acta Oncologica</i> , 2000 , 39, 829-35	3.2	19
272	Extracellular ATP and UTP stimulate cartilage proteoglycan and collagen accumulation in bovine articular chondrocyte pellet cultures. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2000 , 1502, 297-306	6.9	39
271	The potent bisphosphonate ibandronate does not induce myeloma cell apoptosis in a murine model of established multiple myeloma. <i>British Journal of Haematology</i> , 2000 , 111, 283-6	4.5	31
270	Alendronate mechanism of action: geranylgeraniol, an intermediate in the mevalonate pathway, prevents inhibition of osteoclast formation, bone resorption, and kinase activation in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 133-8	11.5	578
269	Expression of interleukin-1beta and tumour necrosis factor-alpha in plasma cells from patients with multiple myeloma. <i>British Journal of Haematology</i> , 1999 , 104, 350-7	4.5	75
268	Cloning of a fragment of the osteonectin gene from goldfish, <i>Carassius auratus</i> : its expression and potential regulation by estrogen. <i>General and Comparative Endocrinology</i> , 1999 , 114, 80-7	3	50
267	Regulation of osteogenic differentiation of human bone marrow stromal cells: interaction between transforming growth factor-beta and 1,25(OH)(2) vitamin D(3) In vitro. <i>Calcified Tissue International</i> , 1999 , 65, 173-80	3.9	103
266	The effect of suramin on the resorption of bovine nasal cartilage. <i>Inflammopharmacology</i> , 1999 , 7, 387-400	4.0	1
265	The pharmacology of bisphosphonates and new insights into their mechanisms of action. <i>Journal of Bone and Mineral Research</i> , 1999 , 14 Suppl 2, 53-65	6.3	188
264	Molecular mechanisms of action of bisphosphonates. <i>Bone</i> , 1999 , 24, 73S-79S	4.7	188
263	Bisphosphonates: from the laboratory to the clinic and back again. <i>Bone</i> , 1999 , 25, 97-106	4.7	687
262	Bisphosphonates: pharmacology, mechanisms of action and clinical uses. <i>Osteoporosis International</i> , 1999 , 9 Suppl 2, S66-80	5.3	179
261	Heterocycle-containing bisphosphonates cause apoptosis and inhibit bone resorption by preventing protein prenylation: evidence from structure-activity relationships in J774 macrophages. <i>Journal of Bone and Mineral Research</i> , 1998 , 13, 1668-78	6.3	198
260	Expression of type X collagen and matrix calcification in three-dimensional cultures of immortalized temperature-sensitive chondrocytes derived from adult human articular cartilage. <i>Journal of Bone and Mineral Research</i> , 1998 , 13, 432-42	6.3	30
259	Nitrogen-containing bisphosphonates inhibit the mevalonate pathway and prevent post-translational prenylation of GTP-binding proteins, including Ras. <i>Journal of Bone and Mineral Research</i> , 1998 , 13, 581-9	6.3	898
258	A UK Consensus Group on management of glucocorticoid-induced osteoporosis: an update. <i>Journal of Internal Medicine</i> , 1998 , 244, 271-92	10.8	243
257	Interleukin-6 is expressed by plasma cells from patients with multiple myeloma and monoclonal gammopathy of undetermined significance. <i>British Journal of Haematology</i> , 1998 , 101, 287-95	4.5	42
256	Human myeloma cells shed the interleukin-6 receptor: inhibition by tissue inhibitor of metalloproteinase-3 and a hydroxamate-based metalloproteinase inhibitor. <i>British Journal of Haematology</i> , 1998 , 101, 694-702	4.5	76

255	Immortalization of human marrow stromal cells by retroviral transduction with a temperature sensitive oncogene: identification of bipotential precursor cells capable of directed differentiation to either an osteoblast or adipocyte phenotype. <i>Bone</i> , 1998 , 22, 7-16	4.7	50
254	Anti-tumour activity of bisphosphonates in human myeloma cells. <i>Leukemia and Lymphoma</i> , 1998 , 32, 129-38	1.9	21
253	Protein synthesis is required for caspase activation and induction of apoptosis by bisphosphonate drugs. <i>Molecular Pharmacology</i> , 1998 , 54, 631-8	4.3	66
252	The bisphosphonate incadronate (YM175) causes apoptosis of human myeloma cells in vitro by inhibiting the mevalonate pathway. <i>Cancer Research</i> , 1998 , 58, 5294-7	10.1	172
251	The assessment of bone metabolism in vivo using biochemical approaches. <i>Hormone and Metabolic Research</i> , 1997 , 29, 138-44	3.1	26
250	Effects of transforming growth factor beta on the production of prostaglandin E and caseinase activity of unstimulated and interleukin 1-stimulated human articular chondrocytes in culture. <i>Rheumatology</i> , 1997 , 36, 729-34	3.9	9
249	cDNA cloning and characterization of a rat spermatogenesis-associated protein RSP29. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 241, 714-9	3.4	4
248	Proteoglycan breakdown from bovine nasal cartilage is increased, and from articular cartilage is decreased, by extracellular ATP. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1997 , 1362, 208-20	6.9	22
247	Estrogen receptor mRNA in mineralized tissues of rainbow trout: calcium mobilization by estrogen. <i>FEBS Letters</i> , 1997 , 411, 145-8	3.8	20
246	Clodronate and liposome-encapsulated clodronate are metabolized to a toxic ATP analog, adenosine 5R(beta, gamma-dichloromethylene) triphosphate, by mammalian cells in vitro. <i>Journal of Bone and Mineral Research</i> , 1997 , 12, 1358-67	6.3	331
245	Inhibition of growth of Dictyostelium discoideum amoebae by bisphosphonate drugs is dependent on cellular uptake. <i>Pharmaceutical Research</i> , 1997 , 14, 625-30	4.5	58
244	Bisphosphonates induce apoptosis in human myeloma cell lines: a novel anti-tumour activity. <i>British Journal of Haematology</i> , 1997 , 98, 665-72	4.5	358
243	Overview of bisphosphonates. <i>Cancer</i> , 1997 , 80, 1652-60	6.4	209
242	Bisphosphonates induce apoptosis in mouse macrophage-like cells in vitro by a nitric oxide-independent mechanism. <i>Journal of Bone and Mineral Research</i> , 1996 , 11, 1482-91	6.3	154
241	Cathepsin B activity in normal human osteoblast-like cells and human osteoblastic osteosarcoma cells (MG-63): regulation by interleukin-1 beta and parathyroid hormone. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1996 , 1290, 29-36	4	26
240	Bisphosphonates are incorporated into adenine nucleotides by human aminoacyl-tRNA synthetase enzymes. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 224, 863-9	3.4	105
239	Measurement of bone specific alkaline phosphatase in the horse: a comparison of two techniques. <i>Research in Veterinary Science</i> , 1996 , 61, 160-4	2.5	23
238	Cloning of a novel membrane-linked metalloproteinase from human myeloma cells. <i>Biochemical Journal</i> , 1996 , 318 (Pt 2), 459-62	3.8	19

237	Chondrogenesis in the regenerating antler tip in red deer: expression of collagen types I, IIA, IIB, and X demonstrated by in situ nucleic acid hybridization and immunocytochemistry. <i>Developmental Dynamics</i> , 1996 , 205, 332-47	2.9	52
236	Effects of growth factors and interleukin-1 alpha on proteoglycan and type II collagen turnover in bovine nasal and articular chondrocyte pellet cultures. <i>Endocrinology</i> , 1996 , 137, 3557-65	4.8	94
235	Age related changes in biochemical markers of bone metabolism in horses. <i>Equine Veterinary Journal</i> , 1995 , 27, 201-7	2.4	72
234	The response of the skeleton to physical training: a biochemical study in horses. <i>Bone</i> , 1995 , 17, 221-7	4.7	48
233	Structure-activity relationships of new heterocycle-containing bisphosphonates as inhibitors of bone resorption and as inhibitors of growth of <i>Dictyostelium discoideum</i> amoebae. <i>Molecular Pharmacology</i> , 1995 , 47, 398-402	4.3	50
232	Transforming growth factor beta increases ecto-nucleoside triphosphate pyrophosphatase activity of human bone-derived cells. <i>Journal of Bone and Mineral Research</i> , 1994 , 9, 99-109	6.3	21
231	Inhibitory effects of bisphosphonates on growth of amoebae of the cellular slime mold <i>Dictyostelium discoideum</i> . <i>Journal of Bone and Mineral Research</i> , 1994 , 9, 1029-39	6.3	58
230	Modulation of ecto-nucleoside triphosphate pyrophosphatase activity of human osteoblast-like bone cells by 1 alpha,25-dihydroxyvitamin D3, 24R,25-dihydroxyvitamin D3, parathyroid hormone, and dexamethasone. <i>Journal of Bone and Mineral Research</i> , 1994 , 9, 1259-66	6.3	22
229	Cells cultured from the growing tip of red deer antler express alkaline phosphatase and proliferate in response to insulin-like growth factor-I. <i>Journal of Endocrinology</i> , 1994 , 143, R9-16	4.7	36
228	The effect of interleukin-1 and transforming growth factor beta on cathepsin B activity in human articular chondrocytes. <i>Agents and Actions</i> , 1994 , 41, C198-C200		1
227	Biochemical measurements in Paget's disease of bone. <i>Seminars in Arthritis and Rheumatism</i> , 1994 , 23, 240-1	5.3	3
226	Studies on type II collagen and aggrecan production in human articular chondrocytes in vitro and effects of transforming growth factor-beta and interleukin-1beta. <i>Osteoarthritis and Cartilage</i> , 1994 , 2, 235-45	6.2	68
225	Effects of transforming growth factor beta and interleukin-1 beta on [³ H]thymidine incorporation by human articular chondrocytes in vitro. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1994 , 1226, 193-200	6.9	9
224	Diclofenac sodium inhibits bone resorption in postmenopausal women. <i>American Journal of Medicine</i> , 1994 , 96, 349-53	2.4	43
223	Stimulation of cartilage resorption by extracellular ATP acting at P2-purinoceptors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994 , 1201, 298-304	4	44
222	Incorporation of bisphosphonates into adenine nucleotides by amoebae of the cellular slime mould <i>Dictyostelium discoideum</i> . <i>Biochemical Journal</i> , 1994 , 303 (Pt 1), 303-11	3.8	97
221	Urinary collagen crosslink excretion: a better index of bone resorption than hydroxyproline in Paget's disease of bone?. <i>Bone and Mineral</i> , 1993 , 22, 1-8		16
220	Cellular regulatory mechanisms that may underlie the effects of corticosteroids on bone. <i>Rheumatology</i> , 1993 , 32 Suppl 2, 6-10	3.9	10

219	Induction of enhanced responsiveness of human articular chondrocytes to extracellular ATP by tumour necrosis factor-alpha. <i>Clinical Science</i> , 1993 , 85, 569-75	6.5	18
218	Calcitropic hormones raise the chemically detectable [Pi] in UMR 106-06 osteoblast-like cells. <i>Cell Biochemistry and Function</i> , 1993 , 11, 25-34	4.2	3
217	The effect of interleukin-1 on cytokine gene expression in cultured human articular chondrocytes analyzed by messenger RNA phenotyping. <i>Arthritis and Rheumatism</i> , 1993 , 36, 35-43		18
216	Factors affecting the assay of urinary 3-hydroxy pyridinium crosslinks of collagen as markers of bone resorption. <i>European Journal of Clinical Investigation</i> , 1993 , 23, 341-9	4.6	159
215	The effect of age on bone collagen turnover as assessed by pyridinium crosslinks and procollagen I C-terminal peptide. <i>Osteoporosis International</i> , 1993 , 3 Suppl 1, 100-1	5.3	9
214	Evaluation of bone turnover in type I osteoporosis using biochemical markers specific for both bone formation and bone resorption. <i>Osteoporosis International</i> , 1993 , 3, 255-60	5.3	177
213	The effects of cyclosporin A on bone and cartilage. <i>British Journal of Rheumatology</i> , 1993 , 32 Suppl 1, 42-6		4
212	The effect of transforming growth factor beta on the plasminogen activator activity of normal human osteoblast-like cells and a human osteosarcoma cell line MG-63. <i>Journal of Bone and Mineral Research</i> , 1992 , 7, 1363-71	6.3	17
211	Cyclosporin A. Mode of action and effects on bone and joint tissues. <i>Scandinavian Journal of Rheumatology</i> , 1992 , 95, 9-18	1.9	20
210	Abnormalities in circadian patterns of bone resorption and renal calcium conservation in type I osteoporosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1992 , 74, 487-94	5.6	100
209	Nyctohemeral changes in bone turnover assessed by serum bone Gla-protein concentration and urinary deoxypyridinoline excretion: effects of growth and ageing. <i>Clinical Science</i> , 1992 , 83, 375-82	6.5	95
208	Expression of bone morphogenetic proteins in human prostatic adenocarcinoma and benign prostatic hyperplasia. <i>British Journal of Cancer</i> , 1992 , 66, 1159-63	8.7	116
207	The effect of rat parathyroid hormone (1-34) infusion on urinary 3-hydroxypyridinium cross-link excretion in the rat. <i>Bone and Mineral</i> , 1992 , 19, 117-25		15
206	Cytokines: inflammatory mediators of joint disease. <i>Equine Veterinary Journal</i> , 1992 , 24, 78-80	2.4	8
205	The regulation of connective tissue metabolism by vasoactive intestinal polypeptide. <i>Regulatory Peptides</i> , 1992 , 37, 111-21		25
204	Parathyroid gland hormones in the skeletal development of the ovine foetus: the effect of parathyroidectomy with calcium and phosphate infusion. <i>Bone and Mineral</i> , 1992 , 16, 121-9		15
203	Interleukin-1 beta enhances the response of human articular chondrocytes to extracellular ATP. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1992 , 1137, 52-8	4.9	19
202	Bradykinin stimulates the production of prostaglandin E2 and interleukin-6 in human osteoblast-like cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1992 , 1135, 97-102	4.9	30

201	Metabolism of halogenated bisphosphonates by the cellular slime mould <i>Dictyostelium discoideum</i> . <i>Biochemical and Biophysical Research Communications</i> , 1992 , 189, 414-23	3.4	68
200	Effect of menopause and hormone replacement therapy on urinary excretion of pyridinium cross-links: a longitudinal and cross-sectional study. <i>Clinical Endocrinology</i> , 1992 , 37, 45-50	3.4	65
199	Interleukin-6 does not stimulate bone resorption in neonatal mouse calvariae. <i>Journal of Bone and Mineral Research</i> , 1991 , 6, 3-8	6.3	81
198	Human osteoblastlike cells do not respond to interleukin-6. <i>Journal of Bone and Mineral Research</i> , 1991 , 6, 141-8	6.3	53
197	Hypophosphatasia and the Extracellular Metabolism of Inorganic Pyrophosphate: Clinical and Laboratory Aspects. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 1991 , 28, 195-232	9.4	2
196	Hypophosphatasia and the extracellular metabolism of inorganic pyrophosphate: clinical and laboratory aspects. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 1991 , 28, 175-232	9.4	86
195	The modulation of the expression of IL-6 and its receptor in human osteoblasts in vitro. <i>Endocrinology</i> , 1991 , 129, 1513-20	4.8	154
194	Detection of mRNA for the transforming growth factor beta family in human articular chondrocytes by the polymerase chain reaction. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 180, 602-8	3.4	20
193	Evidence for the presence of P2-purinoceptors at the surface of human articular chondrocytes in monolayer culture. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991 , 1074, 151-8	4	42
192	The cellular mechanism of action of bisphosphonates. <i>Drugs Under Experimental and Clinical Research</i> , 1991 , 17, 109-14		6
191	Estrogen inhibits release of tumor necrosis factor from peripheral blood mononuclear cells in postmenopausal women. <i>Journal of Bone and Mineral Research</i> , 1990 , 5, 983-8	6.3	158
190	Extracellular ATP stimulates resorption of bovine nasal cartilage. <i>Biochemical Society Transactions</i> , 1990 , 18, 951-2	5.1	8
189	Parathyroid hormone raises the Pi concentration in a cultured osteoblast model. <i>Biochemical Society Transactions</i> , 1990 , 18, 1010-1	5.1	
188	Inhibition of interleukin-1-induced collagenase production in human articular chondrocytes in vitro by recombinant human interferon-gamma. <i>Arthritis and Rheumatism</i> , 1990 , 33, 1733-8		31
187	Calcium and orthophosphate deposits in vitro do not imply osteoblast-mediated mineralization: mineralization by betaglycerophosphate in the absence of osteoblasts. <i>Bone</i> , 1990 , 11, 385-91	4.7	66
186	Interactive regulation of signalling pathways in bone cells: possible modulation of PGE2-stimulated adenylyl cyclase activity by protein kinase C. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990 , 1052, 323-6	4.9	10
185	Independent induction of interleukin 6 and prostaglandin E2 by interleukin 1 in human articular chondrocytes. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 166, 1163-70	3.4	35
184	The effects of recombinant human interleukin-1 beta on cellular proliferation and the production of prostaglandin E2, plasminogen activator, osteocalcin and alkaline phosphatase by osteoblast-like cells derived from human bone. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 166, 208-16	3.4	102

183	Interleukin-1 stimulates diglyceride accumulation in the absence of protein kinase C activation. <i>Regulatory Peptides</i> , 1990 , 29, 109-16		11
182	Constitutive and inducible expression of HLA class II determinants by human osteoblast-like cells in vitro. <i>Journal of Clinical Investigation</i> , 1990 , 85, 1421-6	15.9	41
181	Selective extraction, concentration, and assay of orthophosphate from microliter quantities of cultured mammalian cells. <i>Analytical Biochemistry</i> , 1989 , 181, 130-4	3.1	5
180	The effect of tumor necrosis factor alpha and gamma-interferon on the resorption of human articular cartilage and on the production of prostaglandin E and of caseinase activity by human articular chondrocytes. <i>Arthritis and Rheumatism</i> , 1989 , 32, 780-4		52
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23	The concentration of inorganic pyrophosphate in human saliva and dental calculus. <i>Archives of Oral Biology</i> , 1970 , 15, 1389-92	2.8	20
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20	Prevention by a diphosphonate of immobilization "osteoporosis" in rats. <i>Nature</i> , 1969 , 223, 211-2	50.4	80
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18	Diphosphonates inhibit hydroxyapatite dissolution in vitro and bone resorption in tissue culture and in vivo. <i>Science</i> , 1969 , 165, 1262-4	33.3	632
17	The urinary excretion of inorganic pyrophosphate in hyperparathyroidism, hyperthyroidism, Paget's disease and other disorders of bone metabolism. <i>Clinical Science</i> , 1969 , 36, 435-43		7
16	Pyrophosphate and diphosphonates in calcium metabolism and their possible role in renal failure. <i>Archives of Internal Medicine</i> , 1969 , 124, 571-7		18
15	The origin of inorganic pyrophosphate in urine. <i>Clinical Science</i> , 1969 , 37, 419-29		10
14	Pyrophosphate and diphosphonates in calcium metabolism and their possible role in renal failure. <i>Archives of Internal Medicine</i> , 1969 , 124, 571-577		10
13	Isolation of inorganic pyrophosphate from bovine and human teeth. <i>Archives of Oral Biology</i> , 1968 , 13, 683-96	2.8	59
12	Study of burn toxins. <i>Annals of the New York Academy of Sciences</i> , 1968 , 150, 807-15	6.5	31
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10	Simulation of phosphate excretion by the renal arterial infusion of 3 β RAMP (cyclic AMP)-a possible mechanism of action of parathyroid hormone. <i>Calcified Tissue Research</i> , 1968 , 2, Suppl:54-54a		13
9	Influence of pyrophosphate on the transformation of amorphous to crystalline calcium phosphate. <i>Calcified Tissue Research</i> , 1968 , 2, 49-59		116
8	Inhibition by pyrophosphate and polyphosphate of aortic calcification induced by vitamin D3 in rats. <i>Clinical Science</i> , 1968 , 35, 363-72		89
7	Influence of pyrophosphate on the crystallisation of uric acid and magnesium ammonium phosphate and its implications in phosphate therapy for urolithiasis. <i>Urologia Internationalis</i> , 1967 , 22, 483-91	1.9	8
6	Effect of pyrophosphate on hydroxyapatite and its implications in calcium homeostasis. <i>Nature</i> , 1966 , 212, 901-3	50.4	411
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1	URINARY PYROPHOSPHATE AND UROLITHIASIS. <i>Lancet, The</i> , 1964 , 2, 1446	40	34