

# David D Dean

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4556101/publications.pdf>

Version: 2024-02-01

144  
papers

11,263  
citations

28190

55  
h-index

30848

102  
g-index

144  
all docs

144  
docs citations

144  
times ranked

8622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix-bound Cyr61/CCN1 is required to retain the properties of the bone marrow mesenchymal stem cell niche but is depleted with aging. <i>Matrix Biology</i> , 2022, 111, 108-132.	1.5	9
2	Organ-specific extracellular matrix directs trans-differentiation of mesenchymal stem cells and formation of salivary gland-like organoids in vivo. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	5
3	In vivo hydroxyapatite scaffold performance in infected bone defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1157-1166.	1.6	17
4	Oral and Craniofacial Stem Cells: An Untapped Source for Neural Tissue Regeneration. <i>Tissue Engineering - Part A</i> , 2020, 26, 935-938.	1.6	2
5	Native extracellular matrix, synthesized ex vivo by bone marrow or adipose stromal cells, faithfully directs mesenchymal stem cell differentiation. <i>Matrix Biology Plus</i> , 2020, 8, 100044.	1.9	21
6	Culture on a native bone marrow-derived extracellular matrix restores the pancreatic islet basement membrane, preserves islet function, and attenuates islet immunogenicity. <i>FASEB Journal</i> , 2020, 34, 8044-8056.	0.2	9
7	What Can We Learn From This Book?. , 2019, , 3-13.		0
8	Maintenance and Culture of MSCs. , 2019, , 39-61.		4
9	Stem Cell-Based Restoration of Salivary Gland Function. , 2019, , 345-366.		2
10	Use of MSCs in Antiaging Strategies. , 2019, , 443-461.		0
11	Restoring the quantity and quality of elderly human mesenchymal stem cells for autologous cell-based therapies. <i>Stem Cell Research and Therapy</i> , 2017, 8, 239.	2.4	85
12	Umbilical cord blood-derived non-hematopoietic stem cells retrieved and expanded on bone marrow-derived extracellular matrix display pluripotent characteristics. <i>Stem Cell Research and Therapy</i> , 2016, 7, 176.	2.4	22
13	One size does not fit all: developing a cell-specific niche for in vitro study of cell behavior. <i>Matrix Biology</i> , 2016, 52-54, 426-441.	1.5	85
14	Native extracellular matrix preserves mesenchymal stem cell stemness and differentiation potential under serum-free culture conditions. <i>Stem Cell Research and Therapy</i> , 2015, 6, 235.	2.4	69
15	Secretion of salivary statherin is compromised in uncontrolled diabetic patients. <i>BBA Clinical</i> , 2015, 3, 135-140.	4.1	15
16	Silk Fibroin Scaffolds Promote Formation of the Ex Vivo Niche for Salivary Gland Epithelial Cell Growth, Matrix Formation, and Retention of Differentiated Function. <i>Tissue Engineering - Part A</i> , 2015, 21, 1611-1620.	1.6	24
17	In vivo performance of combinations of autograft, demineralized bone matrix, and tricalcium phosphate in a rabbit femoral defect model. <i>Biomedical Materials (Bristol)</i> , 2014, 9, 035010.	1.7	14
18	Percutaneous injection of Augment Injectable Bone Graft (rhPDGF-BB and $\beta$ -tricalcium phosphate) in baboons. <i>Spine Journal</i> , 2013, 13, 580-586.	0.6	6

#	ARTICLE	IF	CITATIONS
19	Rapid-prototyped PLGA/β-TCP/hydroxyapatite nanocomposite scaffolds in a rabbit femoral defect model. <i>Biofabrication</i> , 2012, 4, 025003.	3.7	124
20	Fiber-reinforced calcium phosphate cement formulations for cranioplasty applications: A 52-week duration preclinical rabbit calvaria study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1170-1178.	1.6	17
21	Evaluation of BMP-2 tethered polyelectrolyte coatings on hydroxyapatite scaffolds <i>in vivo</i> . <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1782-1791.	1.6	10
22	Stability of antibacterial self-assembled monolayers on hydroxyapatite. <i>Acta Biomaterialia</i> , 2010, 6, 3242-3255.	4.1	36
23	Arachidonic Acid and Prostaglandin E2 Influence Human Osteoblast (MG63) Response to Titanium Surface Roughness. <i>Journal of Oral Implantology</i> , 2008, 34, 303-312.	0.4	11
24	Nitric Oxide Donors Selectively Reduce the Expression of Matrix Metalloproteinases-8 and -9 by Human Diabetic Skin Fibroblasts. <i>Journal of Surgical Research</i> , 2007, 140, 90-98.	0.8	44
25	Modulating bone cells response onto starch-based biomaterials by surface plasma treatment and protein adsorption. <i>Biomaterials</i> , 2007, 28, 307-315.	5.7	97
26	Age-related effect on the concentration of collagen crosslinks in human osteonal and interstitial bone tissue. <i>Bone</i> , 2006, 39, 1210-1217.	1.4	81
27	Pulsed electromagnetic fields affect phenotype and connexin 43 protein expression in MLO-Y4 osteocyte-like cells and ROS 17/2.8 osteoblast-like cells. <i>Journal of Orthopaedic Research</i> , 2003, 21, 326-334.	1.2	119
28	Pretreatment of bone with osteoclasts affects phenotypic expression of osteoblast-like cells. <i>Journal of Orthopaedic Research</i> , 2003, 21, 638-647.	1.2	79
29	Steroid Hormone Action in Musculoskeletal Cells Involves Membrane Receptor and Nuclear Receptor Mechanisms. <i>Connective Tissue Research</i> , 2003, 44, 130-135.	1.1	19
30	Vitamin D and Cartilage. , 2003, , 592-598.		1
31	Effect of Porcine Fetal Enamel Matrix Derivative on Chondrocyte Proliferation, Differentiation, and Local Factor Production Is Dependent on Cell Maturation State. <i>Cells Tissues Organs</i> , 2002, 171, 117-127.	1.3	31
32	1,25(OH) <sub>2</sub> D <sub>3</sub> Regulates Chondrocyte Matrix Vesicle Protein Kinase C (PKC) Directly via G-protein-dependent Mechanisms and Indirectly via Incorporation of PKC during Matrix Vesicle Biogenesis. <i>Journal of Biological Chemistry</i> , 2002, 277, 11828-11837.	1.6	40
33	Evidence for distinct membrane receptors for 1,25-(OH) <sub>2</sub> D <sub>3</sub> and 24R,25-(OH) <sub>2</sub> D <sub>3</sub> in osteoblasts. <i>Steroids</i> , 2002, 67, 235-246.	0.8	67
34	Membrane mediated signaling mechanisms are used differentially by metabolites of vitamin D <sub>3</sub> in musculoskeletal cells. <i>Steroids</i> , 2002, 67, 421-427.	0.8	20
35	Rat costochondral chondrocytes produce 17β-estradiol and regulate its production by 1,25(OH) <sub>2</sub> D <sub>3</sub> . <i>Bone</i> , 2002, 30, 57-63.	1.4	31
36	Tamoxifen elicits its anti-estrogen effects in growth plate chondrocytes by inhibiting protein kinase C. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2002, 80, 401-410.	1.2	22

#	ARTICLE	IF	CITATIONS
37	Cartilage regeneration. Oral and Maxillofacial Surgery Clinics of North America, 2002, 14, 105-116.	0.4	2
38	Transforming growth factor- $\beta$ 1 regulation of growth zone chondrocytes is mediated by multiple interacting pathways. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1590, 1-15.	1.9	31
39	Shear force modulates osteoblast response to surface roughness. Journal of Biomedical Materials Research Part B, 2002, 60, 167-174.	3.0	38
40	Osteoblast-Mediated Mineral Deposition in Culture is Dependent on Surface Microtopography. Calcified Tissue International, 2002, 71, 519-529.	1.5	245
41	The First Stage of Transforming Growth Factor $\beta$ 1 Activation is Release of the Large Latent Complex from the Extracellular Matrix of Growth Plate Chondrocytes by Matrix Vesicle Stromelysin-1 (MMP-3). Calcified Tissue International, 2002, 70, 54-65.	1.5	122
42	Ceramic and PMMA particles differentially affect osteoblast phenotype. Biomaterials, 2002, 23, 1855-1863.	5.7	118
43	NITRIC OXIDE AND PROSTAGLANDIN E2 PRODUCTION IN RESPONSE TO ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE PARTICLES DEPENDS ON OSTEOBLAST MATURATION STATE. Journal of Bone and Joint Surgery - Series A, 2002, 84, 411-419.	1.4	37
44	Mechanisms Involved in Osteoblast Response to Implant Surface Morphology. Annual Review of Materials Research, 2001, 31, 357-371.	4.3	171
45	Characterization of PGE2 receptors (EP) and their role as mediators of $1\alpha,25$ -(OH) $_2$ D $_3$ effects on growth zone chondrocytes. Journal of Steroid Biochemistry and Molecular Biology, 2001, 78, 261-274.	1.2	48
46	$24,25$ -(OH) $_2$ D $_3$ regulates cartilage and bone via autocrine and endocrine mechanisms. Steroids, 2001, 66, 363-374.	0.8	65
47	Tissue response and osteoinduction of human bone grafts in vivo. Archives of Orthopaedic and Trauma Surgery, 2001, 121, 583-590.	1.3	87
48	Effect of polymer molecular weight and addition of calcium stearate on response of MG63 osteoblast-like cells to UHMWPE particles. Journal of Orthopaedic Research, 2001, 19, 179-186.	1.2	22
49	Local factor production by MG63 osteoblast-like cells in response to surface roughness and $1,25$ -(OH) $_2$ D $_3$ is mediated via protein kinase C- and protein kinase A-dependent pathways. Biomaterials, 2001, 22, 731-741.	5.7	99
50	Inhibition of cyclooxygenase by indomethacin modulates osteoblast response to titanium surface roughness in a time-dependent manner. Clinical Oral Implants Research, 2001, 12, 52-61.	1.9	34
51	$17\beta$ -estradiol-BSA conjugates and $17\beta$ -estradiol regulate growth plate chondrocytes by common membrane associated mechanisms involving PKC dependent and independent signal transduction. Journal of Cellular Biochemistry, 2001, 81, 413-429.	1.2	78
52	Activation of Latent Transforming Growth Factor $\beta$ 1 by Stromelysin 1 in Extracts of Growth Plate Chondrocyte-Derived Matrix Vesicles. Journal of Bone and Mineral Research, 2001, 16, 1281-1290.	3.1	84
53	Effect of $1\alpha,25$ -Dihydroxyvitamin D $_3$ and $24R,25$ -Dihydroxyvitamin D $_3$ on Metalloproteinase Activity and Cell Maturation in Growth Plate Cartilage In Vivo. Endocrine, 2001, 14, 311-324.	2.2	42
54	Stathmin Levels in Growth Plate Chondrocytes Are Modulated by Vitamin D $_3$ Metabolites and Transforming Growth Factor- $\beta$ 1 and Are Associated with Proliferation. Endocrine, 2001, 15, 093-102.	2.2	6

#	ARTICLE	IF	CITATIONS
55	Characterization of prostaglandin E2 receptors and their role in 24,25-(OH)2D3-mediated effects on resting zone chondrocytes. <i>Journal of Cellular Physiology</i> , 2000, 182, 196-208.	2.0	39
56	Expression and production of stathmin in growth plate chondrocytes is cell-maturation dependent. <i>Journal of Cellular Biochemistry</i> , 2000, 79, 150-163.	1.2	7
57	Pulsed electromagnetic field stimulation of MG63 osteoblast-like cells affects differentiation and local factor production. <i>Journal of Orthopaedic Research</i> , 2000, 18, 637-646.	1.2	153
58	Pretreatment with platelet derived growth factor-BB modulates the ability of costochondral resting zone chondrocytes incorporated into PLA/PGA scaffolds to form new cartilage in vivo. <i>Biomaterials</i> , 2000, 21, 49-61.	5.7	83
59	Phagocytosis of wear debris by osteoblasts affects differentiation and local factor production in a manner dependent on particle composition. <i>Biomaterials</i> , 2000, 21, 551-561.	5.7	165
60	Re-use of implant coverscrews changes their surface properties but not clinical outcome. <i>Clinical Oral Implants Research</i> , 2000, 11, 183-194.	1.9	12
61	Maturation State Determines the Response of Osteogenic Cells to Surface Roughness and 1,25-Dihydroxyvitamin D3. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1169-1180.	3.1	136
62	The membrane effects of 17 $\beta$ -estradiol on chondrocyte phenotypic expression are mediated by activation of protein kinase C through phospholipase C and G-proteins. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000, 73, 211-224.	1.2	52
63	Osteoblast Proliferation and Differentiation on Dentin Slices Are Modulated by Pretreatment of the Surface With Tetracycline or Osteoclasts. <i>Journal of Periodontology</i> , 2000, 71, 586-597.	1.7	52
64	Porcine Fetal Enamel Matrix Derivative Enhances Bone Formation Induced by Demineralized Freeze Dried Bone Allograft In Vivo. <i>Journal of Periodontology</i> , 2000, 71, 1278-1286.	1.7	162
65	Porcine Fetal Enamel Matrix Derivative Stimulates Proliferation But Not Differentiation of Pre-Osteoblastic 2T9 Cells, Inhibits Proliferation and Stimulates Differentiation of Osteoblast-Like MG63 Cells, and Increases Proliferation and Differentiation of Normal Human Osteoblast NHOst Cells. <i>Journal of Periodontology</i> , 2000, 71, 1287-1296.	1.7	180
66	Ability of Deproteinized Cancellous Bovine Bone to Induce New Bone Formation. <i>Journal of Periodontology</i> , 2000, 71, 1258-1269.	1.7	146
67	Surface roughness mediates its effects on osteoblasts via protein kinase A and phospholipase A2. <i>Biomaterials</i> , 1999, 20, 2305-2310.	5.7	128
68	Physiological Importance of the 1,25(OH)2D3 Membrane Receptor and Evidence for a Membrane Receptor Specific for 24,25(OH)2D3. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 856-867.	3.1	91
69	Transforming Growth Factor- $\beta$ 1 Modulates Chondrocyte Responsiveness to 17 $\beta$ -Estradiol. <i>Endocrine</i> , 1999, 11, 241-250.	2.2	15
70	TGF $\beta$ 1 Regulates 25-Hydroxyvitamin D3 1 $\alpha$ - and 24-Hydroxylase Activity in Cultured Growth Plate Chondrocytes in a Maturation-Dependent Manner. <i>Calcified Tissue International</i> , 1999, 64, 50-56.	1.5	53
71	Ultrahigh molecular weight polyethylene particles have direct effects on proliferation, differentiation, and local factor production of MG63 osteoblast-like cells. <i>Journal of Orthopaedic Research</i> , 1999, 17, 9-17.	1.2	53
72	Effect of surface roughness and composition on costochondral chondrocytes is dependent on cell maturation state. <i>Journal of Orthopaedic Research</i> , 1999, 17, 446-457.	1.2	34

#	ARTICLE	IF	CITATIONS
73	Surface roughness modulates the response of MG63 osteoblast-like cells to 1,25-(OH)2D3 through regulation of phospholipase A2 activity and activation of protein kinase A. , 1999, 47, 139-151.		80
74	Vitamin D3 metabolites regulate LTBP1 and latent TGF- $\beta$ 1 expression and latent TGF- $\beta$ 1 incorporation in the extracellular matrix of chondrocytes. , 1999, 72, 151-165.		45
75	Prostaglandins mediate the effects of 1,25-(OH)2D3 and 24,25-(OH)2D3 on growth plate chondrocytes in a metabolite-specific and cell maturation-dependent manner. Bone, 1999, 24, 475-484.	1.4	30
76	1,25-(OH)2D3 modulates growth plate chondrocytes via membrane receptor-mediated protein kinase C by a mechanism that involves changes in phospholipid metabolism and the action of arachidonic acid and PGE2. Steroids, 1999, 64, 129-136.	0.8	83
77	Evaluation of 2 Novel Approaches for Assessing the Ability of Demineralized Freeze-Dried Bone Allograft to Induce New Bone Formation. Journal of Periodontology, 1999, 70, 353-363.	1.7	35
78	1,25(OH)2D3 Regulates Protein Kinase C Activity Through Two Phospholipid-Dependent Pathways Involving Phospholipase A2 and Phospholipase C in Growth Zone Chondrocytes. Journal of Bone and Mineral Research, 1998, 13, 559-569.	3.1	57
79	Identification of a Membrane Receptor for 1,25-Dihydroxyvitamin D3 Which Mediates Rapid Activation of Protein Kinase C. Journal of Bone and Mineral Research, 1998, 13, 1353-1359.	3.1	199
80	Treatment of Resting Zone Chondrocytes with Bone Morphogenetic Protein-2 Induces Maturation into a Phenotype Characteristic of Growth Zone Chondrocytes by Downregulating Responsiveness to 24,25(OH)2<sub>2</sub>D<sub>3</sub> and Upregulating Responsiveness to 1,25-(OH)2<sub>2</sub>D<sub>3</sub>. Endocrine, 1998, 9, 273-280.	2.2	13
81	17 $\beta$ -Estradiol regulation of protein kinase C activity in chondrocytes is sex-dependent and involves nongenomic mechanisms. , 1998, 176, 435-444.		53
82	Growth plate chondrocytes store latent transforming growth factor (TGF)- $\beta$ 1 in their matrix through latent TGF- $\beta$ 1 binding protein-1. , 1998, 177, 343-354.		89
83	Purification, Amino Acid Sequence, and cDNA Sequence of a Novel Calcium-Precipitating Proteolipid Involved in Calcification of Corynebacterium matruchotii. Calcified Tissue International, 1998, 62, 350-358.	1.5	44
84	Response of MG63 osteoblast-like cells to titanium and titanium alloy is dependent on surface roughness and composition. Biomaterials, 1998, 19, 2219-2232.	5.7	638
85	Treatment of resting zone chondrocytes with transforming growth factor- $\beta$ 1 induces differentiation into a phenotype characteristic of growth zone chondrocytes by downregulating responsiveness to 24,25-(OH)2D3 and upregulating responsiveness to 1,25-(OH)2D3. Bone, 1998, 23, 465-470.	1.4	19
86	Addition of Human Recombinant Bone Morphogenetic Protein-2 to Inactive Commercial Human Demineralized Freeze-Dried Bone Allograft Makes An Effective Composite Bone Inductive Implant Material. Journal of Periodontology, 1998, 69, 1337-1345.	1.7	91
87	Ability of Commercial Demineralized Freeze-Dried Bone Allograft to Induce New Bone Formation Is Dependent on Donor Age But Not Gender. Journal of Periodontology, 1998, 69, 470-478.	1.7	219
88	Bacterial Lipopolysaccharide Induces Early and Late Activation of Protein Kinase C in Inflammatory Macrophages by Selective Activation of PKC- $\mu$ . Biochemical and Biophysical Research Communications, 1997, 240, 629-634.	1.0	51
89	Rapid and long-term effects of PTH(1-34) on growth plate chondrocytes are mediated through two different pathways in a cell-maturation-dependent manner. Bone, 1997, 21, 249-259.	1.4	28
90	Mechanisms of alveolar bone destruction in periodontitis. Periodontology 2000, 1997, 14, 158-172.	6.3	110

#	ARTICLE	IF	CITATIONS
91	Underlying mechanisms at the bone-surface interface during regeneration. <i>Journal of Periodontal Research</i> , 1997, 32, 166-171.	1.4	109
92	Interleukin-1 $\alpha$ and 1 $\beta$ in Growth Plate Cartilage Are Regulated by Vitamin D Metabolites In Vivo. <i>Journal of Bone and Mineral Research</i> , 1997, 12, 1560-1569.	3.1	12
93	Platelet derived growth factor stimulates chondrocyte proliferation but prevents endochondral maturation. <i>Endocrine</i> , 1997, 6, 257-264.	1.1	72
94	Evidence for the Involvement of Carbonic Anhydrase and Urease in Calcium Carbonate Formation in the Gravity-Sensing Organ of <i>Aplysia californica</i> . <i>Calcified Tissue International</i> , 1997, 61, 247-255.	1.5	13
95	24,25-(OH)2D3 Regulation of Matrix Vesicle Protein Kinase C Occurs Both During Biosynthesis and in the Extracellular Matrix. <i>Calcified Tissue International</i> , 1997, 61, 313-321.	1.5	28
96	Recombinant bone morphogenetic protein (BMP)-2 regulates costochondral growth plate chondrocytes and induces expression of BMP-2 and BMP-4 in a cell maturation-dependent manner. <i>Journal of Orthopaedic Research</i> , 1997, 15, 371-380.	1.2	46
97	A-ring analogues of 1,25-(OH)2D3 with low affinity for the vitamin D receptor modulate chondrocytes via membrane effects that are dependent on cell maturation. , 1997, 171, 357-367.		21
98	A mechanism of adaptation to hypergravity in the statocyst of <i>Aplysia californica</i> . <i>Hearing Research</i> , 1996, 102, 51-62.	0.9	25
99	Vitamin D Metabolites Regulate Matrix Vesicle Metalloproteinase Content in a Cell Maturation-Dependent Manner. <i>Calcified Tissue International</i> , 1996, 59, 109-116.	1.5	58
100	Regulation of Statoconia Mineralization in <i>Aplysia californica</i> In Vitro. <i>Connective Tissue Research</i> , 1996, 35, 317-323.	1.1	9
101	Preferential accumulation in vivo of 24R,25-dihydroxyvitamin D3 in growth plate cartilage of rats. <i>Endocrine</i> , 1996, 5, 147-155.	2.2	26
102	Nongenomic regulation of protein kinase C isoforms by the vitamin D metabolites 1 $\alpha$ ,25-(OH)2D3 and 24R,25-(OH)2D3. , 1996, 167, 380-393.		95
103	24,25-(OH)2D3 regulates protein kinase C through two distinct phospholipid-dependent mechanisms. , 1996, 169, 509-521.		38
104	Role of material surfaces in regulating bone and cartilage cell response. <i>Biomaterials</i> , 1996, 17, 137-146.	5.7	1,194
105	Proliferation, differentiation, and protein synthesis of human osteoblast-like cells (MC63) cultured on previously used titanium surfaces. <i>Clinical Oral Implants Research</i> , 1996, 7, 27-37.	1.9	89
106	Ability of Commercial Demineralized Freeze-Dried Bone Allograft to Induce New Bone Formation. <i>Journal of Periodontology</i> , 1996, 67, 918-926.	1.7	291
107	The Synergistic Effect of TGF $\beta$ 2 and 24, 25-(OH)2D3 on Resting Zone Chondrocytes is Metabolite-Specific and Mediated by PKC. <i>Connective Tissue Research</i> , 1996, 35, 101-106.	1.1	14
108	Cell Biology of Calcified Tissues: Experimental Models of Differentiation and Mechanisms by Which Local and Systemic Factors Exert their Effects. <i>Connective Tissue Research</i> , 1996, 35, 63-70.	1.1	9

#	ARTICLE	IF	CITATIONS
109	Vitamin D Regulation of Metalloproteinase Activity in Matrix Vesicles. <i>Connective Tissue Research</i> , 1996, 35, 331-336.	1.1	64
110	Evidence that interleukin-1, but not interleukin-6, affects costochondral chondrocyte proliferation, differentiation, and matrix synthesis through an autocrine pathway. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 1119-1129.	3.1	14
111	Effect of titanium surface roughness on proliferation, differentiation, and protein synthesis of human osteoblast-like cells (MC63). <i>Journal of Biomedical Materials Research Part B</i> , 1995, 29, 389-401.	3.0	947
112	Carbonic anhydrase is required for statocilia homeostasis in organ cultures of statocysts from <i>Aplysia californica</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1995, 177, 415-25.	0.7	5
113	Markers of primary mineralization are correlated with bone-bonding ability of titanium or stainless steel in vivo. <i>Clinical Oral Implants Research</i> , 1995, 6, 1-13.	1.9	34
114	Osteosarcoma hybrids can preferentially target alkaline phosphatase activity to matrix vesicles: Evidence for independent membrane biogenesis. <i>Journal of Bone and Mineral Research</i> , 1995, 10, 1614-1624.	3.1	21
115	Evidence for Receptors Specific for $17\beta$ -Estradiol and Testosterone in Chondrocyte Cultures. <i>Connective Tissue Research</i> , 1994, 30, 277-294.	1.1	68
116	Matrix vesicles produced by osteoblast-like cells in culture become significantly enriched in proteoglycan-degrading metalloproteinases after addition of $\beta$ -Glycerophosphate and ascorbic acid. <i>Calcified Tissue International</i> , 1994, 54, 399-408.	1.5	102
117	Culture surfaces coated with various implant materials affect chondrocyte growth and metabolism. <i>Journal of Orthopaedic Research</i> , 1994, 12, 542-552.	1.2	60
118	Treatment of Canine Osteoarthritis with Sodium Pentosan Polysulfate and Insulin-Like Growth Factor-1. <i>Annals of the New York Academy of Sciences</i> , 1994, 732, 392-394.	1.8	16
119	Treatment of canine osteoarthritis with insulin-like growth factor-1 (IGF-1) and sodium pentosan polysulfate. <i>Osteoarthritis and Cartilage</i> , 1993, 1, 105-114.	0.6	112
120	Preliminary observations of chondral abrasion in a canine model. <i>Annals of the Rheumatic Diseases</i> , 1992, 51, 1056-1062.	0.5	80
121	Matrix vesicles contain metalloproteinases that degrade proteoglycans. <i>Bone and Mineral</i> , 1992, 17, 172-176.	2.0	28
122	Matrix vesicles are enriched in metalloproteinases that degrade proteoglycans. <i>Calcified Tissue International</i> , 1992, 50, 342-349.	1.5	101
123	Enhancement of osteoinduction by vitamin D metabolites in rachitic host rats. <i>Journal of Bone and Mineral Research</i> , 1992, 7, 863-875.	3.1	15
124	Proteinase-mediated cartilage degradation in osteoarthritis. <i>Seminars in Arthritis and Rheumatism</i> , 1991, 20, 2-11.	1.6	80
125	Amelioration of lapine osteoarthritis by treatment with glycosaminoglycan-peptide association complex (Rumalon). <i>Arthritis and Rheumatism</i> , 1991, 34, 304-313.	6.7	38
126	Osteoarthritis research: Animal models. <i>Seminars in Arthritis and Rheumatism</i> , 1990, 19, 21-25.	1.6	31

#	ARTICLE	IF	CITATIONS
127	Changes in active and latent collagenase in human placenta around the time of parturition. American Journal of Obstetrics and Gynecology, 1990, 163, 499-505.	0.7	22
128	Production of Collagenase and Tissue Inhibitor of Metal loproteinases (TIMP) by Rat Growth Plates in Culture. Matrix Biology, 1990, 10, 320-330.	1.8	24
129	Evidence for metalloproteinase and metalloproteinase inhibitor imbalance in human osteoarthritic cartilage.. Journal of Clinical Investigation, 1989, 84, 678-685.	3.9	541
130	Prophylactic treatment of canine osteoarthritis with glycosaminoglycan polysulfuric acid ester. Arthritis and Rheumatism, 1989, 32, 759-766.	6.7	41
131	Therapeutic treatment of canine osteoarthritis with glycosaminoglycan polysulfuric acid ester. Arthritis and Rheumatism, 1989, 32, 1300-1307.	6.7	51
132	Association of collagenase and tissue inhibitor of metalloproteinases (TIMP) with hypertrophic cell enlargement in the growth plate. Matrix Biology, 1989, 9, 366-375.	1.8	57
133	The role of ovarian proteases and their inhibitors in ovulation. Steroids, 1989, 54, 501-521.	0.8	48
134	Hypertrophic Chondrocytes Produce Immunoreactive Collagenase in Vivo. Connective Tissue Research, 1989, 23, 65-73.	1.1	39
135	Elevated tissue levels of collagenase during dilation of uterine cervix in human parturition. American Journal of Obstetrics and Gynecology, 1988, 159, 971-976.	0.7	139
136	A novel lipoprotein from Oomycete fungi. Experimental Mycology, 1986, 10, 315-322.	1.8	6
137	The Preovulatory Increase in Ovarian Collagenase Activity in the Rat Is Independent of Prostaglandin Production*. Endocrinology, 1986, 118, 1823-1828.	1.4	54
138	Ascorbic acid stimulates the resorption of canine articular cartilage induced by a factor derived from activated rabbit macrophages. Rheumatology International, 1985, 5, 103-107.	1.5	0
139	A sensitive, specific assay for tissue collagenase using telopeptide-free [3H]acetylated collagen. Analytical Biochemistry, 1985, 148, 174-181.	1.1	73
140	The Extraction of a Tissue Collagenase Associated with Ovulation in the Rat1. Biology of Reproduction, 1985, 33, 981-991.	1.2	77
141	Serum Collagenase Activity in Pregnant, Parturient, and Postpartum Women. Annals of the New York Academy of Sciences, 1985, 460, 492-493.	1.8	6
142	Localization of collagenase in the growth plate of rachitic rats.. Journal of Clinical Investigation, 1985, 76, 716-722.	3.9	79
143	Isolation and partial characterization of collagenolytic enzyme from the mosquito-parasitizing fungus, Lagenidium giganteum. Archives of Microbiology, 1983, 136, 212-218.	1.0	7
144	The extracellular proteolytic enzymes of the mosquito-parasitizing fungus Lagenidium giganteum. Experimental Mycology, 1983, 7, 31-39.	1.8	22