

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	Role of material surfaces in regulating bone and cartilage cell response. <i>Biomaterials</i> , 1996, 17, 137-146.	5.7	1,194
2	Effect of titanium surface roughness on proliferation, differentiation, and protein synthesis of human osteoblast-like cells (MG63). <i>Journal of Biomedical Materials Research Part B</i> , 1995, 29, 389-401.	3.0	947
3	Response of MG63 osteoblast-like cells to titanium and titanium alloy is dependent on surface roughness and composition. <i>Biomaterials</i> , 1998, 19, 2219-2232.	5.7	638
4	Evidence for metalloproteinase and metalloproteinase inhibitor imbalance in human osteoarthritic cartilage.. <i>Journal of Clinical Investigation</i> , 1989, 84, 678-685.	3.9	541
5	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
6	Osteoblast-Mediated Mineral Deposition in Culture is Dependent on Surface Microtopography. <i>Calcified Tissue International</i> , 2002, 71, 519-529.	1.5	245
7	Ability of Commercial Demineralized Freeze-Dried Bone Allograft to Induce New Bone Formation Is Dependent on Donor Age But Not Gender. <i>Journal of Periodontology</i> , 1998, 69, 470-478.	1.7	219
8	Identification of a Membrane Receptor for 1,25-Dihydroxyvitamin D3 Which Mediates Rapid Activation of Protein Kinase C. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 1353-1359.	3.1	199
9	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
10	Mechanisms Involved in Osteoblast Response to Implant Surface Morphology. <i>Annual Review of Materials Research</i> , 2001, 31, 357-371.	4.3	171
11	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
12	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
13	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
14	Ability of Deproteinized Cancellous Bovine Bone to Induce New Bone Formation. <i>Journal of Periodontology</i> , 2000, 71, 1258-1269.	1.7	146
15	Elevated tissue levels of collagenase during dilation of uterine cervix in human parturition. <i>American Journal of Obstetrics and Gynecology</i> , 1988, 159, 971-976.	0.7	139
16	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
17	Surface roughness mediates its effects on osteoblasts via protein kinase A and phospholipase A2. <i>Biomaterials</i> , 1999, 20, 2305-2310.	5.7	128
18	Rapid-prototyped PLGA/β-TCP/hydroxyapatite nanocomposite scaffolds in a rabbit femoral defect model. <i>Biofabrication</i> , 2012, 4, 025003.	3.7	124

#	ARTICLE	IF	CITATIONS
19	The First Stage of Transforming Growth Factor β 1 Activation is Release of the Large Latent Complex from the Extracellular Matrix of Growth Plate Chondrocytes by Matrix Vesicle Stromelysin-1 (MMP-3). <i>Calcified Tissue International</i> , 2002, 70, 54-65.	1.5	122
20	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
21	Ceramic and PMMA particles differentially affect osteoblast phenotype. <i>Biomaterials</i> , 2002, 23, 1855-1863.	5.7	118
22	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
23	Mechanisms of alveolar bone destruction in periodontitis. <i>Periodontology 2000</i> , 1997, 14, 158-172.	6.3	110
24	Underlying mechanisms at the bone-surface interface during regeneration. <i>Journal of Periodontal Research</i> , 1997, 32, 166-171.	1.4	109
25	Matrix vesicles produced by osteoblast-like cells in culture become significantly enriched in proteoglycan-degrading metalloproteinases after addition of β -Glycerophosphate and ascorbic acid. <i>Calcified Tissue International</i> , 1994, 54, 399-408.	1.5	102
26	Matrix vesicles are enriched in metalloproteinases that degrade proteoglycans. <i>Calcified Tissue International</i> , 1992, 50, 342-349.	1.5	101
27	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. <i>Biomaterials</i> , 2001, 22, 731-741.	5.7	99
28	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
29	Nongenomic regulation of protein kinase C isoforms by the vitamin D metabolites $1\alpha,25$ -(OH) $_2$ D $_3$ and $24R,25$ -(OH) $_2$ D $_3$. , 1996, 167, 380-393.		95
30	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. <i>Journal of Periodontology</i> , 1998, 69, 1337-1345.	1.7	91
31	Physiological Importance of the 1,25(OH) $_2$ D $_3$ Membrane Receptor and Evidence for a Membrane Receptor Specific for $24,25$ (OH) $_2$ D $_3$. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 856-867.	3.1	91
32	Proliferation, differentiation, and protein synthesis of human osteoblast-like cells (MG63) cultured on previously used titanium surfaces. <i>Clinical Oral Implants Research</i> , 1996, 7, 27-37.	1.9	89
33	Growth plate chondrocytes store latent transforming growth factor (TGF)- β 1 in their matrix through latent TGF- β 1 binding protein-1. , 1998, 177, 343-354.		89
34	Tissue response and osteoinduction of human bone grafts in vivo. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2001, 121, 583-590.	1.3	87
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Activation of Latent Transforming Growth Factor β 1 by Stromelysin 1 in Extracts of Growth Plate Chondrocyte-Derived Matrix Vesicles. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1281-1290.	3.1	84
38	1,25-(OH) $_2$ D $_3$ 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 PGE $_2$. <i>Steroids</i> , 1999, 64, 129-136.	0.8	83
39	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
40	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
41	Proteinase-mediated cartilage degradation in osteoarthritis. <i>Seminars in Arthritis and Rheumatism</i> , 1991, 20, 2-11.	1.6	80
42	Preliminary observations of chondral abrasion in a canine model.. <i>Annals of the Rheumatic Diseases</i> , 1992, 51, 1056-1062.	0.5	80
43	Surface roughness modulates the response of MG63 osteoblast-like cells to 1,25-(OH) $_2$ D $_3$ through regulation of phospholipase A $_2$ activity and activation of protein kinase A. , 1999, 47, 139-151.		80
44	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
45	Localization of collagenase in the growth plate of rachitic rats.. <i>Journal of Clinical Investigation</i> , 1985, 76, 716-722.	3.9	79
46	17 β -estradiol-BSA conjugates and 17 β -estradiol regulate growth plate chondrocytes by common membrane associated mechanisms involving PKC dependent and independent signal transduction. <i>Journal of Cellular Biochemistry</i> , 2001, 81, 413-429.	1.2	78
47	The Extraction of a Tissue Collagenase Associated with Ovulation in the Rat1. <i>Biology of Reproduction</i> , 1985, 33, 981-991.	1.2	77
48	A sensitive, specific assay for tissue collagenase using telopeptide-free [$_3$ H]acetylated collagen. <i>Analytical Biochemistry</i> , 1985, 148, 174-181.	1.1	73
49	Platelet derived growth factor stimulates chondrocyte proliferation but prevents endochondral maturation. <i>Endocrine</i> , 1997, 6, 257-264.	1.1	72
50	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
51	Evidence for Receptors Specific for 17 β -Estradiol and Testosterone in Chondrocyte Cultures. <i>Connective Tissue Research</i> , 1994, 30, 277-294.	1.1	68
52	Evidence for distinct membrane receptors for 1 α ,25-(OH) $_2$ D $_3$ and 24R,25-(OH) $_2$ D $_3$ in osteoblasts. <i>Steroids</i> , 2002, 67, 235-246.	0.8	67
53	24,25-(OH) $_2$ D $_3$ regulates cartilage and bone via autocrine and endocrine mechanisms. <i>Steroids</i> , 2001, 66, 363-374.	0.8	65
54	Vitamin D Regulation of Metalloproteinase Activity in Matrix Vesicles. <i>Connective Tissue Research</i> , 1996, 35, 331-336.	1.1	64

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Association of collagenase and tissue inhibitor of metalloproteinases (TIMP) with hypertrophic cell enlargement in the growth plate. <i>Matrix Biology</i> , 1989, 9, 366-375.	1.8	57
58	1,25(OH) ₂ D ₃ Regulates Protein Kinase C Activity Through Two Phospholipid-Dependent Pathways Involving Phospholipase A ₂ and Phospholipase C in Growth Zone Chondrocytes. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 559-569.	3.1	57
59	The Preovulatory Increase in Ovarian Collagenase Activity in the Rat Is Independent of Prostaglandin Production*. <i>Endocrinology</i> , 1986, 118, 1823-1828.	1.4	54
60	17 β -Estradiol regulation of protein kinase C activity in chondrocytes is sex-dependent and involves nongenomic mechanisms. , 1998, 176, 435-444.		53
61	TGF β ₁ Regulates 25-Hydroxyvitamin D ₃ 1 α - 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
62	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
63	The membrane effects of 17 β -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
64	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
65	Therapeutic treatment of canine osteoarthritis with glycosaminoglycan polysulfuric acid ester. <i>Arthritis and Rheumatism</i> , 1989, 32, 1300-1307.	6.7	51
66	Bacterial Lipopolysaccharide Induces Early and Late Activation of Protein Kinase C in Inflammatory Macrophages by Selective Activation of PKC- μ . <i>Biochemical and Biophysical Research Communications</i> , 1997, 240, 629-634.	1.0	51
67	The role of ovarian proteases and their inhibitors in ovulation. <i>Steroids</i> , 1989, 54, 501-521.	0.8	48
68	Characterization of PGE ₂ receptors (EP) and their role as mediators of 1 α ,25-(OH) ₂ D ₃ effects on growth zone chondrocytes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001, 78, 261-274.	1.2	48
69	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
70	Vitamin D ₃ metabolites regulate LTBP1 and latent TGF- β 1 expression and latent TGF- β 1 incorporation in the extracellular matrix of chondrocytes. , 1999, 72, 151-165.		45
71	Purification, Amino Acid Sequence, and cDNA Sequence of a Novel Calcium-Precipitating Proteolipid Involved in Calcification of <i>Corynebacterium matruchotii</i> . <i>Calcified Tissue International</i> , 1998, 62, 350-358.	1.5	44
72	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

#	ARTICLE	IF	CITATIONS
73	Effect of 1 α ,25-Dihydroxyvitamin D ₃ and 24R,25-Dihydroxyvitamin D ₃ on Metalloproteinase Activity and Cell Maturation in Growth Plate Cartilage In Vivo. <i>Endocrine</i> , 2001, 14, 311-324.	2.2	42
74	Prophylactic treatment of canine osteoarthritis with glycosaminoglycan polysulfuric acid ester. <i>Arthritis and Rheumatism</i> , 1989, 32, 759-766.	6.7	41
75	1 α ,25(OH)2D ₃ 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
76	Hypertrophic Chondrocytes Produce Immunoreactive Collagenase in Vivo. <i>Connective Tissue Research</i> , 1989, 23, 65-73.	1.1	39
77	Characterization of prostaglandin E2 receptors and their role in 24,25-(OH)2D ₃ -mediated effects on resting zone chondrocytes. <i>Journal of Cellular Physiology</i> , 2000, 182, 196-208.	2.0	39
78	Amelioration of lapine osteoarthritis by treatment with glycosaminoglycan-peptide association complex (Rumalon). <i>Arthritis and Rheumatism</i> , 1991, 34, 304-313.	6.7	38
79	24,25-(OH)2D ₃ regulates protein kinase C through two distinct phospholipid-dependent mechanisms. , 1996, 169, 509-521.		38
80	Shear force modulates osteoblast response to surface roughness. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 60, 167-174.	3.0	38
81	NITRIC OXIDE AND PROSTAGLANDIN E2 PRODUCTION IN RESPONSE TO ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE PARTICLES DEPENDS ON OSTEOBLAST MATURATION STATE. <i>Journal of Bone and Joint Surgery - Series A</i> , 2002, 84, 411-419.	1.4	37
82	Stability of antibacterial self-assembled monolayers on hydroxyapatite. <i>Acta Biomaterialia</i> , 2010, 6, 3242-3255.	4.1	36
83	Evaluation of 2 Novel Approaches for Assessing the Ability of Demineralized Freeze-Dried Bone Allograft to Induce New Bone Formation. <i>Journal of Periodontology</i> , 1999, 70, 353-363.	1.7	35
84	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
85	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
86	Inhibition of cyclooxygenase by indomethacin modulates osteoblast response to titanium surface roughness in a time-dependent manner. <i>Clinical Oral Implants Research</i> , 2001, 12, 52-61.	1.9	34
87	Osteoarthritis research: Animal models. <i>Seminars in Arthritis and Rheumatism</i> , 1990, 19, 21-25.	1.6	31
88	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
89	Rat costochondral chondrocytes produce 17 β -estradiol and regulate its production by 1 α ,25(OH)2D ₃ . <i>Bone</i> , 2002, 30, 57-63.	1.4	31
90	Transforming growth factor- β 1 regulation of growth zone chondrocytes is mediated by multiple interacting pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002, 1590, 1-15.	1.9	31

#	ARTICLE	IF	CITATIONS
91	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. <i>Bone</i> , 1999, 24, 475-484.	1.4	30
92	Matrix vesicles contain metalloproteinases that degrade proteoglycans. <i>Bone and Mineral</i> , 1992, 17, 172-176.	2.0	28
93	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. <i>Bone</i> , 1997, 21, 249-259.	1.4	28
94	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
95	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
96	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
97	Production of Collagenase and Tissue Inhibitor of Metal loproteinases (TIMP) by Rat Growth Plates in Culture. <i>Matrix Biology</i> , 1990, 10, 320-330.	1.8	24
98	Silk Fibroin Scaffolds Promote Formation of the <i>Ex Vivo</i> 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
99	The extracellular proteolytic enzymes of the mosquito-parasitizing fungus <i>Lagenidium giganteum</i> . <i>Experimental Mycology</i> , 1983, 7, 31-39.	1.8	22
100	Changes in active and latent collagenase in human placenta around the time of parturition. <i>American Journal of Obstetrics and Gynecology</i> , 1990, 163, 499-505.	0.7	22
101	Effect of polymer molecular weight and addition of calcium stearate on response of MG63 osteoblast-like cells to UHMWPE particles. <i>Journal of Orthopaedic Research</i> , 2001, 19, 179-186.	1.2	22
102	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
103	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
104	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
105	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
106	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
107	Membrane mediated signaling mechanisms are used differentially by metabolites of vitamin D3 in musculoskeletal cells. <i>Steroids</i> , 2002, 67, 421-427.	0.8	20
108	Treatment of resting zone chondrocytes with transforming growth factor- β 21 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. <i>Bone</i> , 1998, 23, 465-470.	1.4	19

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	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
112	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
113	Transforming Growth Factor- β 1 Modulates Chondrocyte Responsiveness to 17β -Estradiol. <i>Endocrine</i> , 1999, 11, 241-250.	2.2	15
114	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
115	Secretion of salivary statherin is compromised in uncontrolled diabetic patients. <i>BBA Clinical</i> , 2015, 3, 135-140.	4.1	15
116	The Synergistic Effect of TGF β 2 and 24, 25-(OH) $_2$ D $_3$ on Resting Zone Chondrocytes is Metabolite-Specific and Mediated by PKC. <i>Connective Tissue Research</i> , 1996, 35, 101-106.	1.1	14
117	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
118	<i>In vivo</i> 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
119	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
120	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) $_2$ D $_3$ and Upregulating Responsiveness to 1,25-(OH) $_2$ D $_3$. <i>Endocrine</i> , 1998, 9, 273-280.	2.2	13
121	Interleukin- 1α and 1β in Growth Plate Cartilage Are Regulated by Vitamin D Metabolites <i>In Vivo</i> . <i>Journal of Bone and Mineral Research</i> , 1997, 12, 1560-1569.	3.1	12
122	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
123	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
124	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
125	Regulation of Statocilia Mineralization in <i>Aplysia californica</i> <i>In Vitro</i> . <i>Connective Tissue Research</i> , 1996, 35, 317-323.	1.1	9
126	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
127	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
128	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
129	Isolation and partial characterization of collagenolytic enzyme from the mosquito-parasitizing fungus, <i>Lagenidium giganteum</i> . <i>Archives of Microbiology</i> , 1983, 136, 212-218.	1.0	7
130	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
131	Serum Collagenase Activity in Pregnant, Parturient, and Postpartum Women. <i>Annals of the New York Academy of Sciences</i> , 1985, 460, 492-493.	1.8	6
132	A novel lipoprotein from Oomycete fungi. <i>Experimental Mycology</i> , 1986, 10, 315-322.	1.8	6
133	Stathmin Levels in Growth Plate Chondrocytes Are Modulated by Vitamin D ₃ Metabolites and Transforming Growth Factor- β 1 and Are Associated with Proliferation. <i>Endocrine</i> , 2001, 15, 093-102.	2.2	6
134	Percutaneous injection of Augment Injectable Bone Graft (rhPDGF-BB and \hat{I}^2 -tricalcium phosphate) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 baboons. <i>Spine Journal</i> , 2013, 13, 580-586.	0.6	6
135	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
136	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
137	Maintenance and Culture of MSCs. , 2019, , 39-61.		4
138	Cartilage regeneration. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2002, 14, 105-116.	0.4	2
139	Stem Cell-Based Restoration of Salivary Gland Function. , 2019, , 345-366.		2
140	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
141	Vitamin D and Cartilage. , 2003, , 592-598.		1
142	Ascorbic acid stimulates the resorption of canine articular cartilage induced by a factor derived from activated rabbit macrophages. <i>Rheumatology International</i> , 1985, 5, 103-107.	1.5	0
143	What Can We Learn From This Book?. , 2019, , 3-13.		0
144	Use of MSCs in Antiaging Strategies. , 2019, , 443-461.		0