

# Nagarajan Selvamurugan

## 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.

154  
papers

9,517  
citations

52  
h-index

95  
g-index

164  
ext. papers

10,792  
ext. citations

6.1  
avg, IF

6.58  
L-index

#	Paper	IF	Citations
154	Role of p300, a histone acetyltransferase enzyme, in osteoblast differentiation.. <i>Differentiation</i> , <b>2022</b> , 124, 43-51	3.5	1
153	Biopolymers/Ceramic-Based Nanocomposite Scaffolds for Drug Delivery in Bone Tissue Engineering. <i>Advances in Material Research and Technology</i> , <b>2022</b> , 337-376	0.4	
152	Orsellinic acid-loaded chitosan nanoparticles in gelatin/nanohydroxyapatite scaffolds for bone formation in vitro.. <i>Life Sciences</i> , <b>2022</b> , 299, 120559	6.8	1
151	Epigenetic modifications of histones during osteoblast differentiation.. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2021</b> , 1865, 194780	6	2
150	Regulation of Runx2 and Its Signaling Pathways by MicroRNAs in Breast Cancer Metastasis. <i>Current Protein and Peptide Science</i> , <b>2021</b> , 22, 534-547	2.8	2
149	Valproic acid, A Potential Inducer of Osteogenesis in Mouse Mesenchymal Stem Cells. <i>Current Molecular Pharmacology</i> , <b>2021</b> , 14, 27-35	3.7	6
148	Preparation and characterization of chitosan/carboxymethyl pullulan/bioglass composite films for wound healing. <i>Journal of Biomaterials Applications</i> , <b>2021</b> , 8853282211050161	2.9	4
147	TGF- $\beta$ -stimulation of NFATC2 and ATF3 proteins and their interaction for matrix metalloproteinase 13 expression in human breast cancer cells. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 192, 1325-1330	7.9	0
146	Metal doped calcium silicate biomaterial for skin tissue regeneration in vitro. <i>Journal of Biomaterials Applications</i> , <b>2021</b> , 36, 140-151	2.9	5
145	Synthesis and characterization of magnesium diboride nanosheets in alginate/polyvinyl alcohol scaffolds for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 203, 111771	6	5
144	Polycaprolactone fibrous electrospun scaffolds reinforced with copper doped wollastonite for bone tissue engineering applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2021</b> , 109, 654-664	3.5	7
143	Chitosan and Its Potential Use for the Delivery of Bioactive Molecules in Bone Tissue Engineering. <i>Advances in Polymer Science</i> , <b>2021</b> , 117-162	1.3	
142	Cellular senescence and aging in bone <b>2021</b> , 187-202		5
141	Histone acetyl transferases and their epigenetic impact on bone remodeling. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 170, 326-335	7.9	4
140	Chitosan-based 3D-printed scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 183, 1925-1938	7.9	13
139	Regulation of bone metastasis and metastasis suppressors by non-coding RNAs in breast cancer. <i>Biochimie</i> , <b>2021</b> , 187, 14-24	4.6	1
138	Three-dimensional-poly(lactic acid) scaffolds coated with gelatin/magnesium-doped nano-hydroxyapatite for bone tissue engineering. <i>Biotechnology Journal</i> , <b>2021</b> , 16, e2100282	5.6	4

137	A computational approach on studying the regulation of TGF- $\beta$ -stimulated Runx2 expression by MicroRNAs in human breast cancer cells. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 137, 104823	7	3
136	Folic acid decorated pH sensitive polydopamine coated honeycomb structured nickel oxide nanoparticles for targeted delivery of quercetin to triple negative breast cancer cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 630, 127609	5.1	3
135	Advancements in nucleic acids-based techniques for bone regeneration. <i>Biotechnology Journal</i> , <b>2021</b> , e2100570	5.6	0
134	Polycaprolactone/polyvinylpyrrolidone coaxial electrospun fibers containing veratric acid-loaded chitosan nanoparticles for bone regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 193, 111110	6	18
133	3D-poly (lactic acid) scaffolds coated with gelatin and mucic acid for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 162, 523-532	7.9	36
132	Nanocomposite chitosan film containing graphene oxide/hydroxyapatite/gold for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 154, 62-71	7.9	75
131	Temperature- and pH-responsive chitosan-based injectable hydrogels for bone tissue engineering. <i>Materials Science and Engineering C</i> , <b>2020</b> , 111, 110862	8.3	50
130	Biodistribution and pharmacokinetics of thiolated chitosan nanoparticles for oral delivery of insulin in vivo. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 150, 281-288	7.9	48
129	miR-873-3p targets HDAC4 to stimulate matrix metalloproteinase-13 expression upon parathyroid hormone exposure in rat osteoblasts. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 7996-8009	7	8
128	Regulation of Runx2 by post-translational modifications in osteoblast differentiation. <i>Life Sciences</i> , <b>2020</b> , 245, 117389	6.8	31
127	An osteoinductive effect of phytol on mouse mesenchymal stem cells (C3H10T1/2) towards osteoblasts. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 127137	2.9	5
126	The Functional Significance of Endocrine-immune Interactions in Health and Disease. <i>Current Protein and Peptide Science</i> , <b>2020</b> , 21, 52-65	2.8	5
125	Regulation of Breast Cancer Progression by Noncoding RNAs. <i>Current Cancer Drug Targets</i> , <b>2020</b> , 20, 757-767	2.8	1
124	A computational study of non-coding RNAs on the regulation of activating transcription factor 3 in human breast cancer cells. <i>Computational Biology and Chemistry</i> , <b>2020</b> , 89, 107386	3.6	2
123	Nanosheets-incorporated bio-composites containing natural and synthetic polymers/ceramics for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 1960-1972	7.9	17
122	An insight into cell-laden 3D-printed constructs for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 9836-9862	7.3	10
121	Osteogenic potential of zingerone, a phenolic compound in mouse mesenchymal stem cells. <i>BioFactors</i> , <b>2019</b> , 45, 575-582	6.1	8
120	Stimulation of ATF3 interaction with Smad4 via TGF- $\beta$ for matrix metalloproteinase 13 gene activation in human breast cancer cells. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 134, 954-961	7.9	12

119	Chitosan and gelatin-based electrospun fibers for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 133, 354-364	7.9	107
118	Sinapic acid-loaded chitosan nanoparticles in polycaprolactone electrospun fibers for bone regeneration in vitro and in vivo. <i>Carbohydrate Polymers</i> , <b>2019</b> , 216, 1-16	10.3	43
117	TGF- $\beta$ -stimulation of matrix metalloproteinase-13 expression by down-regulation of miR-203a-5p in rat osteoblasts. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 132, 541-549	7.9	6
116	Osteostimulatory effect of biocomposite scaffold containing phytomolecule diosmin by Integrin/FAK/ERK signaling pathway in mouse mesenchymal stem cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 11900	4.9	20
115	Osteogenic stimulatory effect of heraclenin purified from bael in mouse mesenchymal stem cells in vitro. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 310, 108750	5	4
114	Composites Containing Marine Biomaterials for Bone Tissue Repair. <i>Springer Series in Biomaterials Science and Engineering</i> , <b>2019</b> , 357-382	0.6	2
113	Regulation of Runx2 by MicroRNAs in osteoblast differentiation. <i>Life Sciences</i> , <b>2019</b> , 232, 116676	6.8	38
112	Chitosan in Surface Modification for Bone Tissue Engineering Applications. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1900171	5.6	16
111	Regulation of Histone Deacetylases by MicroRNAs in Bone. <i>Current Protein and Peptide Science</i> , <b>2019</b> , 20, 356-367	2.8	8
110	Parathyroid hormone-stimulation of Runx2 during osteoblast differentiation via the regulation of lnc-SUPT3H-1:16 (RUNX2-AS1:32) and miR-6797-5p. <i>Biochimie</i> , <b>2019</b> , 158, 43-52	4.6	26
109	Chitosan/nano-hydroxyapatite/nano-zirconium dioxide scaffolds with miR-590-5p for bone regeneration. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 953-958	7.9	49
108	Parathyroid hormone-induced down-regulation of miR-532-5p for matrix metalloproteinase-13 expression in rat osteoblasts. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 6181-6193	4.7	16
107	Syringic acid, a phenolic acid, promotes osteoblast differentiation by stimulation of Runx2 expression and targeting of Smad7 by miR-21 in mouse mesenchymal stem cells. <i>Journal of Cell Communication and Signaling</i> , <b>2018</b> , 12, 561-573	5.2	33
106	Matrix metalloproteinase-13: A special focus on its regulation by signaling cascades and microRNAs in bone. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 338-349	7.9	6
105	Sustained release of chrysin from chitosan-based scaffolds promotes mesenchymal stem cell proliferation and osteoblast differentiation. <i>Carbohydrate Polymers</i> , <b>2018</b> , 195, 356-367	10.3	38
104	Characterization of Runx2 phosphorylation sites required for TGF- $\beta$ -mediated stimulation of matrix metalloproteinase-13 expression in osteoblastic cells. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 1082-1094	7	22
103	Pulsed electromagnetic fields inhibit human osteoclast formation and gene expression via osteoblasts. <i>Bone</i> , <b>2018</b> , 106, 194-203	4.7	29
102	Formulation and biological actions of nano-bioglass ceramic particles doped with Calcearea phosphorica for bone tissue engineering. <i>Materials Science and Engineering C</i> , <b>2018</b> , 83, 202-209	8.3	10

101	Effects of flavonoids incorporated biological macromolecules based scaffolds in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 74-87	7.9	41
100	Natural and synthetic polymers/bioceramics/bioactive compounds-mediated cell signalling in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 88-96	7.9	86
99	miR-590-3p inhibits proliferation and promotes apoptosis by targeting activating transcription factor 3 in human breast cancer cells. <i>Biochimie</i> , <b>2018</b> , 154, 10-18	4.6	28
98	Bone tissue engineering: Scaffold preparation using chitosan and other biomaterials with different design and fabrication techniques. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 1228-1239	7.9	131
97	Role of activating transcription factor 3 and its interacting proteins under physiological and pathological conditions. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 120, 310-317	7.9	36
96	Fabrication of PCL/PVP Electrospun Fibers loaded with Trans-anethole for Bone Regeneration in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 171, 698-706	6	26
95	Proliferation and differentiation of mesenchymal stem cells on scaffolds containing chitosan, calcium polyphosphate and pigeonite for bone tissue engineering. <i>Cell Proliferation</i> , <b>2018</b> , 51,	7.9	48
94	Hydroxyapatite mixed-electro discharge formation of bioceramic Lakargiite (CaZrO <sub>3</sub> ) on ZrCuNiTiBe for orthopedic application. <i>Materials and Manufacturing Processes</i> , <b>2018</b> , 33, 1734-1744	4.1	22
93	MicroRNA-590-5p Stabilizes Runx2 by Targeting Smad7 During Osteoblast Differentiation. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 371-380	7	60
92	Scaffolds containing chitosan, gelatin and graphene oxide for bone tissue regeneration in vitro and in vivo. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1975-1985	7.9	114
91	Nanoceramics on osteoblast proliferation and differentiation in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 67-74	7.9	53
90	Role of Runx2 in breast cancer-mediated bone metastasis. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 608-614	7.9	33
89	Antibacterial activity of agricultural waste derived wollastonite doped with copper for bone tissue engineering. <i>Materials Science and Engineering C</i> , <b>2017</b> , 71, 1156-1165	8.3	33
88	Chitosan based nanofibers in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1372-1382	7.9	153
87	Alginate/Gelatin scaffolds incorporated with Silibinin-loaded Chitosan nanoparticles for bone formation in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 158, 308-318	6	59
86	Transforming growth factor- $\beta$ regulation of ATF-3, c-Jun and JunB proteins for activation of matrix metalloproteinase-13 gene in human breast cancer cells. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 370-377	7.9	24
85	Pulsed Electromagnetic Field Regulates MicroRNA 21 Expression to Activate TGF- Signaling in Human Bone Marrow Stromal Cells to Enhance Osteoblast Differentiation. <i>Stem Cells International</i> , <b>2017</b> , 2017, 2450327	5	43
84	A Combinatorial effect of carboxymethyl cellulose based scaffold and microRNA-15b on osteoblast differentiation. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1457-1464	7.9	27

83	Chitosan based biocomposite scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1354-1365	7.9	214
82	Regulation of Runx2 by Histone Deacetylases in Bone. <i>Current Protein and Peptide Science</i> , <b>2016</b> , 17, 343-51	2.8	14
81	Bioactive mesoporous wollastonite particles for bone tissue engineering. <i>Journal of Tissue Engineering</i> , <b>2016</b> , 7, 2041731416680319	7.5	14
80	A review of chitosan and its derivatives in bone tissue engineering. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 172-188	10.3	363
79	Guar gum succinate-sodium alginate beads as a pH-sensitive carrier for colon-specific drug delivery. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 45-50	7.9	68
78	Scaffolds containing chitosan/carboxymethyl cellulose/mesoporous wollastonite for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 80, 481-8	7.9	89
77	Runx2: Structure, function, and phosphorylation in osteoblast differentiation. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 78, 202-8	7.9	218
76	Effect of size of bioactive glass nanoparticles on mesenchymal stem cell proliferation for dental and orthopedic applications. <i>Materials Science and Engineering C</i> , <b>2015</b> , 53, 142-9	8.3	51
75	Metallic Nanomaterials for Bone Tissue Engineering. <i>Journal of Biomedical Nanotechnology</i> , <b>2015</b> , 11, 1675-700	4	49
74	A feedback expression of microRNA-590 and activating transcription factor-3 in human breast cancer cells. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 145-50	7.9	33
73	Role of Mesoporous Wollastonite (Calcium Silicate) in Mesenchymal Stem Cell Proliferation and Osteoblast Differentiation: A Cellular and Molecular Study. <i>Journal of Biomedical Nanotechnology</i> , <b>2015</b> , 11, 1124-38	4	57
72	Regulation of proliferation and apoptosis in human osteoblastic cells by microRNA-15b. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 79, 490-7	7.9	35
71	Nanohydroxyapatite-reinforced chitosan composite hydrogel for bone tissue repair in vitro and in vivo. <i>Journal of Nanobiotechnology</i> , <b>2015</b> , 13, 40	9.4	154
70	Biomaterials mediated microRNA delivery for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 74, 404-12	7.9	45
69	Runx2, a target gene for activating transcription factor-3 in human breast cancer cells. <i>Tumor Biology</i> , <b>2015</b> , 36, 1923-31	2.9	20
68	MicroRNAs expression and their regulatory networks during mesenchymal stem cells differentiation toward osteoblasts. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 66, 194-202	7.9	65
67	A positive role of microRNA-15b on regulation of osteoblast differentiation. <i>Journal of Cellular Physiology</i> , <b>2014</b> , 229, 1236-44	7	126
66	Effects of silica and calcium levels in nanobioglass ceramic particles on osteoblast proliferation. <i>Materials Science and Engineering C</i> , <b>2014</b> , 43, 458-64	8.3	34

65	Synthesis and characterization of diopside particles and their suitability along with chitosan matrix for bone tissue engineering in vitro and in vivo. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 970-81	4	51
64	Chitosan scaffolds containing chicken feather keratin nanoparticles for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 481-6	7.9	83
63	A novel injectable temperature-sensitive zinc doped chitosan/glycerophosphate hydrogel for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 54, 24-9	7.9	115
62	Biocomposite scaffolds containing chitosan/alginate/nano-silica for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 109, 294-300	6	176
61	Expression of microRNA-30c and its target genes in human osteoblastic cells by nano-bioglass ceramic-treatment. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 56, 181-5	7.9	48
60	Regulation of breast cancer and bone metastasis by microRNAs. <i>Disease Markers</i> , <b>2013</b> , 35, 369-87	3.2	91
59	Expression of Matrix Metalloproteinases in Human Breast Cancer Tissues. <i>Disease Markers</i> , <b>2013</b> , 34, 395-405	3.2	36
58	Expression of matrix metalloproteinases in human breast cancer tissues. <i>Disease Markers</i> , <b>2013</b> , 34, 395-405	3.2	25
57	MicroRNAs: Synthesis, Gene Regulation and Osteoblast Differentiation. <i>Current Issues in Molecular Biology</i> , <b>2013</b> , 15, 7-18	2.9	49
56	Bio-composite scaffolds containing chitosan/nano-hydroxyapatite/nano-copper-zinc for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 294-9	7.9	138
55	Synthesis, characterization, and antimicrobial activity of nano-hydroxyapatite-zinc for bone tissue engineering applications. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 167-72	1.3	40
54	Synthesis, Characterization and Biological Action of Nano-Bioglass Ceramic Particles for Bone Formation. <i>Journal of Biomaterials and Tissue Engineering</i> , <b>2012</b> , 2, 197-205	0.3	20
53	Chitosan and its derivatives for gene delivery. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 48, 234-8	7.9	192
52	Preparation, characterization and antimicrobial activity of a bio-composite scaffold containing chitosan/nano-hydroxyapatite/nano-silver for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 188-93	7.9	227
51	Chitosan scaffolds containing silicon dioxide and zirconia nano particles for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 1167-72	7.9	83
50	Effects of <i>Cissus quadrangularis</i> on the proliferation, differentiation and matrix mineralization of human osteoblast like SaOS-2 cells. <i>Journal of Cellular Biochemistry</i> , <b>2011</b> , 112, 1035-45	4.7	46
49	Enhanced osteoblast adhesion on polymeric nano-scaffolds for bone tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , <b>2011</b> , 7, 238-44	4	72
48	HDAC4 represses matrix metalloproteinase-13 transcription in osteoblastic cells, and parathyroid hormone controls this repression. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 9616-9626	5.4	66

47	Role of nanofibrous poly(caprolactone) scaffolds in human mesenchymal stem cell attachment and spreading for in vitro bone tissue engineering--response to osteogenic regulators. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 393-404	3.9	108
46	Polymeric composites containing carbon nanotubes for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2010</b> , 46, 281-3	7.9	128
45	Biocomposites containing natural polymers and hydroxyapatite for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2010</b> , 47, 1-4	7.9	385
44	Synthesis and characterization of nanoscale-hydroxyapatite-copper for antimicrobial activity towards bone tissue engineering applications. <i>Journal of Biomedical Nanotechnology</i> , <b>2010</b> , 6, 333-9	4	58
43	Novel carboxymethyl derivatives of chitin and chitosan materials and their biomedical applications. <i>Progress in Materials Science</i> , <b>2010</b> , 55, 675-709	42.2	382
42	Novel biodegradable chitosan-gelatin/nano-bioactive glass ceramic composite scaffolds for alveolar bone tissue engineering. <i>Chemical Engineering Journal</i> , <b>2010</b> , 158, 353-361	14.7	306
41	Chitosan conjugated DNA nanoparticles in gene therapy. <i>Carbohydrate Polymers</i> , <b>2010</b> , 79, 1-8	10.3	248
40	Preparation and characterization of chitosan-gelatin/nanohydroxyapatite composite scaffolds for tissue engineering applications. <i>Carbohydrate Polymers</i> , <b>2010</b> , 80, 687-694	10.3	270
39	Runx2 recruits p300 to mediate parathyroid hormone's effects on histone acetylation and transcriptional activation of the matrix metalloproteinase-13 gene. <i>Molecular Endocrinology</i> , <b>2009</b> , 23, 1255-63		36
38	Identification and characterization of Runx2 phosphorylation sites involved in matrix metalloproteinase-13 promoter activation. <i>FEBS Letters</i> , <b>2009</b> , 583, 1141-6	3.8	45
37	Mitogen activated protein kinase-dependent inhibition of osteocalcin gene expression by transforming growth factor-beta1. <i>Journal of Cellular Biochemistry</i> , <b>2009</b> , 106, 161-9	4.7	18
36	Transforming growth factor-beta1 regulation of ATF-3 and identification of ATF-3 target genes in breast cancer cells. <i>Journal of Cellular Biochemistry</i> , <b>2009</b> , 108, 408-14	4.7	17
35	Electrospinning of carboxymethyl chitin/poly(vinyl alcohol) nanofibrous scaffolds for tissue engineering applications. <i>Carbohydrate Polymers</i> , <b>2009</b> , 77, 863-869	10.3	228
34	Synthesis, characterization, cytotoxicity and antibacterial studies of chitosan, O-carboxymethyl and N,O-carboxymethyl chitosan nanoparticles. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 672-677	10.3	283
33	Preparation and characterization of novel beta-chitin-hydroxyapatite composite membranes for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 44, 1-5	7.9	111
32	Preparation, characterization, bioactive and metal uptake studies of alginate/phosphorylated chitin blend films. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 44, 107-11	7.9	61
31	Wet chemical synthesis of chitosan hydrogel-hydroxyapatite composite membranes for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 12-5	7.9	136
30	The design of novel nanostructures on titanium by solution chemistry for an improved osteoblast response. <i>Nanotechnology</i> , <b>2009</b> , 20, 195101	3.4	76



29	Preparative methods of phosphorylated chitin and chitosan--an overview. <i>International Journal of Biological Macromolecules</i> , <b>2008</b> , 43, 221-5	7.9	132
28	Interleukin-18 is regulated by parathyroid hormone and is required for its bone anabolic actions. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 6790-8	5.4	44
27	Effects of BMP-2 and pulsed electromagnetic field (PEMF) on rat primary osteoblastic cell proliferation and gene expression. <i>Journal of Orthopaedic Research</i> , <b>2007</b> , 25, 1213-20	3.8	85
26	Parathyroid hormone regulates histone deacetylases in osteoblasts. <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1116, 349-53	6.5	18
25	Parathyroid Hormone Stimulates Trafficking and Partial Degradation of Histone Deacetylase 4. <i>FASEB Journal</i> , <b>2007</b> , 21, A617	0.9	
24	Overexpression of Runx2 directed by the matrix metalloproteinase-13 promoter containing the AP-1 and Runx/RD/Cbfa sites alters bone remodeling in vivo. <i>Journal of Cellular Biochemistry</i> , <b>2006</b> , 99, 545-57	4.7	54
23	Parathyroid hormone stimulation and PKA signaling of latent transforming growth factor-beta binding protein-1 (LTBP-1) mRNA expression in osteoblastic cells. <i>Journal of Cellular Biochemistry</i> , <b>2005</b> , 95, 1002-11	4.7	13
22	Transcription in the osteoblast: regulatory mechanisms utilized by parathyroid hormone and transforming growth factor-beta. <i>Progress in Molecular Biology and Translational Science</i> , <b>2005</b> , 80, 287-321		12
21	Transforming growth factor-beta 1 regulation of collagenase-3 expression in osteoblastic cells by cross-talk between the Smad and MAPK signaling pathways and their components, Smad2 and Runx2. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 19327-34	5.4	103
20	Smad3 interacts with JunB and Cbfa1/Runx2 for transforming growth factor-beta1-stimulated collagenase-3 expression in human breast cancer cells. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 27764-73	5.4	101
19	Nmp4/CIZ regulation of matrix metalloproteinase 13 (MMP-13) response to parathyroid hormone in osteoblasts. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2004</b> , 287, E289-96	6	39
18	Physical interaction of the activator protein-1 factors c-Fos and c-Jun with Cbfa1 for collagenase-3 promoter activation. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 816-22	5.4	135
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