

Nagarajan Selvamurugan

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154
papers

9,517
citations

52
h-index

95
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164
ext. papers

10,792
ext. citations

6.1
avg. IF

6.58
L-index

#	Paper	IF	Citations
154	Biocomposites containing natural polymers and hydroxyapatite for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2010 , 47, 1-4	7.9	385
153	Novel carboxymethyl derivatives of chitin and chitosan materials and their biomedical applications. <i>Progress in Materials Science</i> , 2010 , 55, 675-709	42.2	382
152	A review of chitosan and its derivatives in bone tissue engineering. <i>Carbohydrate Polymers</i> , 2016 , 151, 172-188	10.3	363
151	Novel biodegradable chitosan/gelatin/nano-bioactive glass ceramic composite scaffolds for alveolar bone tissue engineering. <i>Chemical Engineering Journal</i> , 2010 , 158, 353-361	14.7	306
150	Synthesis, characterization, cytotoxicity and antibacterial studies of chitosan, O-carboxymethyl and N,O-carboxymethyl chitosan nanoparticles. <i>Carbohydrate Polymers</i> , 2009 , 78, 672-677	10.3	283
149	Parathyroid hormone-dependent signaling pathways regulating genes in bone cells. <i>Gene</i> , 2002 , 282, 1-17	3.8	277
148	Preparation and characterization of chitosan/gelatin/nanohydroxyapatite composite scaffolds for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2010 , 80, 687-694	10.3	270
147	Chitosan conjugated DNA nanoparticles in gene therapy. <i>Carbohydrate Polymers</i> , 2010 , 79, 1-8	10.3	248
146	Electrospinning of carboxymethyl chitin/poly(vinyl alcohol) nanofibrous scaffolds for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2009 , 77, 863-869	10.3	228
145	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> , 2011 , 49, 188-93	7.9	227
144	Runx2: Structure, function, and phosphorylation in osteoblast differentiation. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 202-8	7.9	218
143	Chitosan based biocomposite scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1354-1365	7.9	214
142	Chitosan and its derivatives for gene delivery. <i>International Journal of Biological Macromolecules</i> , 2011 , 48, 234-8	7.9	192
141	Biocomposite scaffolds containing chitosan/alginate/nano-silica for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 109, 294-300	6	176
140	Parathyroid hormone regulation of the rat collagenase-3 promoter by protein kinase A-dependent transactivation of core binding factor alpha1. <i>Journal of Biological Chemistry</i> , 2000 , 275, 5037-42	5.4	163
139	Nanohydroxyapatite-reinforced chitosan composite hydrogel for bone tissue repair in vitro and in vivo. <i>Journal of Nanobiotechnology</i> , 2015 , 13, 40	9.4	154
138	Chitosan based nanofibers in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1372-1382	7.9	153

137	Parathyroid hormone regulates the rat collagenase-3 promoter in osteoblastic cells through the cooperative interaction of the activator protein-1 site and the runt domain binding sequence. <i>Journal of Biological Chemistry</i> , 1998 , 273, 10647-57	5.4	145
136	Bio-composite scaffolds containing chitosan/nano-hydroxyapatite/nano-copper-zinc for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 294-9	7.9	138
135	Wet chemical synthesis of chitosan hydrogel-hydroxyapatite composite membranes for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 12-5	7.9	136
134	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> , 2002 , 277, 816-22	5.4	135
133	Preparative methods of phosphorylated chitin and chitosan--an overview. <i>International Journal of Biological Macromolecules</i> , 2008 , 43, 221-5	7.9	132
132	Bone tissue engineering: Scaffold preparation using chitosan and other biomaterials with different design and fabrication techniques. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 1228-1239	7.9	131
131	Polymeric composites containing carbon nanotubes for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2010 , 46, 281-3	7.9	128
130	A positive role of microRNA-15b on regulation of osteoblast differentiation. <i>Journal of Cellular Physiology</i> , 2014 , 229, 1236-44	7	126
129	A novel injectable temperature-sensitive zinc doped chitosan/glycerophosphate hydrogel for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2013 , 54, 24-9	7.9	115
128	Scaffolds containing chitosan, gelatin and graphene oxide for bone tissue regeneration in vitro and in vivo. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1975-1985	7.9	114
127	Preparation and characterization of novel beta-chitin-hydroxyapatite composite membranes for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2009 , 44, 1-5	7.9	111
126	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> , 2010 , 16, 393-404	3.9	108
125	Chitosan and gelatin-based electrospun fibers for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 354-364	7.9	107
124	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> , 2004 , 279, 19327-34	5.4	103
123	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> , 2004 , 279, 27764-73	5.4	101
122	Regulation of breast cancer and bone metastasis by microRNAs. <i>Disease Markers</i> , 2013 , 35, 369-87	3.2	91
121	Scaffolds containing chitosan/carboxymethyl cellulose/mesoporous wollastonite for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2015 , 80, 481-8	7.9	89
120	Natural and synthetic polymers/bioceramics/bioactive compounds-mediated cell signalling in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 88-96	7.9	86

119	Effects of BMP-2 and pulsed electromagnetic field (PEMF) on rat primary osteoblastic cell proliferation and gene expression. <i>Journal of Orthopaedic Research</i> , 2007 , 25, 1213-20	3.8	85
118	Chitosan scaffolds containing chicken feather keratin nanoparticles for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 481-6	7.9	83
117	Chitosan scaffolds containing silicon dioxide and zirconia nano particles for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 1167-72	7.9	83
116	The design of novel nanostructures on titanium by solution chemistry for an improved osteoblast response. <i>Nanotechnology</i> , 2009 , 20, 195101	3.4	76
115	Nanocomposite chitosan film containing graphene oxide/hydroxyapatite/gold for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 62-71	7.9	75
114	Enhanced osteoblast adhesion on polymeric nano-scaffolds for bone tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , 2011 , 7, 238-44	4	72
113	Guar gum succinate-sodium alginate beads as a pH-sensitive carrier for colon-specific drug delivery. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 45-50	7.9	68
112	HDAC4 represses matrix metalloproteinase-13 transcription in osteoblastic cells, and parathyroid hormone controls this repression. <i>Journal of Biological Chemistry</i> , 2010 , 285, 9616-9626	5.4	66
111	MicroRNAs expression and their regulatory networks during mesenchymal stem cells differentiation toward osteoblasts. <i>International Journal of Biological Macromolecules</i> , 2014 , 66, 194-202	7.9	65
110	Preparation, characterization, bioactive and metal uptake studies of alginate/phosphorylated chitin blend films. <i>International Journal of Biological Macromolecules</i> , 2009 , 44, 107-11	7.9	61
109	MicroRNA-590-5p Stabilizes Runx2 by Targeting Smad7 During Osteoblast Differentiation. <i>Journal of Cellular Physiology</i> , 2017 , 232, 371-380	7	60
108	Alginate/Gelatin scaffolds incorporated with Silibinin-loaded Chitosan nanoparticles for bone formation in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 158, 308-318	6	59
107	Synthesis and characterization of nanoscale-hydroxyapatite-copper for antimicrobial activity towards bone tissue engineering applications. <i>Journal of Biomedical Nanotechnology</i> , 2010 , 6, 333-9	4	58
106	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> , 2015 , 11, 1124-38	4	57
105	Developmental regulation of collagenase-3 mRNA in normal, differentiating osteoblasts through the activator protein-1 and the runt domain binding sites. <i>Journal of Biological Chemistry</i> , 2000 , 275, 23310-8	5.4	55
104	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> , 2006 , 99, 545-57	4.7	54
103	Nanoceramics on osteoblast proliferation and differentiation in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 67-74	7.9	53
102	Effect of size of bioactive glass nanoparticles on mesenchymal stem cell proliferation for dental and orthopedic applications. <i>Materials Science and Engineering C</i> , 2015 , 53, 142-9	8.3	51

101	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> , 2014 , 10, 970-81	4	51
100	Temperature- and pH-responsive chitosan-based injectable hydrogels for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2020 , 111, 110862	8.3	50
99	Metallic Nanomaterials for Bone Tissue Engineering. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 1675-700	4	49
98	Chitosan/nano-hydroxyapatite/nano-zirconium dioxide scaffolds with miR-590-5p for bone regeneration. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 953-958	7.9	49
97	MicroRNAs: Synthesis, Gene Regulation and Osteoblast Differentiation. <i>Current Issues in Molecular Biology</i> , 2013 , 15, 7-18	2.9	49
96	Biodistribution and pharmacokinetics of thiolated chitosan nanoparticles for oral delivery of insulin in vivo. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 281-288	7.9	48
95	Expression of microRNA-30c and its target genes in human osteoblastic cells by nano-bioglass ceramic-treatment. <i>International Journal of Biological Macromolecules</i> , 2013 , 56, 181-5	7.9	48
94	Proliferation and differentiation of mesenchymal stem cells on scaffolds containing chitosan, calcium polyphosphate and pigeonite for bone tissue engineering. <i>Cell Proliferation</i> , 2018 , 51,	7.9	48
93	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> , 2011 , 112, 1035-45	4.7	46
92	Biomaterials mediated microRNA delivery for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2015 , 74, 404-12	7.9	45
91	Identification and characterization of Runx2 phosphorylation sites involved in matrix metalloproteinase-13 promoter activation. <i>FEBS Letters</i> , 2009 , 583, 1141-6	3.8	45
90	Interleukin-18 is regulated by parathyroid hormone and is required for its bone anabolic actions. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6790-8	5.4	44
89	Sinapic acid-loaded chitosan nanoparticles in polycaprolactone electrospun fibers for bone regeneration in vitro and in vivo. <i>Carbohydrate Polymers</i> , 2019 , 216, 1-16	10.3	43
88	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> , 2017 , 2017, 2450327	5	43
87	Effects of flavonoids incorporated biological macromolecules based scaffolds in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 74-87	7.9	41
86	Synthesis, characterization, and antimicrobial activity of nano-hydroxyapatite-zinc for bone tissue engineering applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 167-72	1.3	40
85	Nmp4/CIZ regulation of matrix metalloproteinase 13 (MMP-13) response to parathyroid hormone in osteoblasts. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 287, E289-96	6	39
84	Sustained release of chrysin from chitosan-based scaffolds promotes mesenchymal stem cell proliferation and osteoblast differentiation. <i>Carbohydrate Polymers</i> , 2018 , 195, 356-367	10.3	38

83	Regulation of Runx2 by MicroRNAs in osteoblast differentiation. <i>Life Sciences</i> , 2019 , 232, 116676	6.8	38
82	Constitutive expression and regulation of collagenase-3 in human breast cancer cells. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 2000 , 3, 218-23		37
81	3D-poly (lactic acid) scaffolds coated with gelatin and mucic acid for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 523-532	7.9	36
80	Role of activating transcription factor 3 and its interacting proteins under physiological and pathological conditions. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 310-317	7.9	36
79	Expression of Matrix Metalloproteinases in Human Breast Cancer Tissues. <i>Disease Markers</i> , 2013 , 34, 395-405	3.2	36
78	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> , 2009 , 23, 1255-63		36
77	Regulation of proliferation and apoptosis in human osteoblastic cells by microRNA-15b. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 490-7	7.9	35
76	Effects of silica and calcium levels in nanobioglass ceramic particles on osteoblast proliferation. <i>Materials Science and Engineering C</i> , 2014 , 43, 458-64	8.3	34
75	Role of Runx2 in breast cancer-mediated bone metastasis. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 608-614	7.9	33
74	Antibacterial activity of agricultural waste derived wollastonite doped with copper for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2017 , 71, 1156-1165	8.3	33
73	A feedback expression of microRNA-590 and activating transcription factor-3 in human breast cancer cells. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 145-50	7.9	33
72	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> , 2018 , 12, 561-573	5.2	33
71	Regulation of Runx2 by post-translational modifications in osteoblast differentiation. <i>Life Sciences</i> , 2020 , 245, 117389	6.8	31
70	Pulsed electromagnetic fields inhibit human osteoclast formation and gene expression via osteoblasts. <i>Bone</i> , 2018 , 106, 194-203	4.7	29
69	miR-590-3p inhibits proliferation and promotes apoptosis by targeting activating transcription factor 3 in human breast cancer cells. <i>Biochimie</i> , 2018 , 154, 10-18	4.6	28
68	A Combinatorial effect of carboxymethyl cellulose based scaffold and microRNA-15b on osteoblast differentiation. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1457-1464	7.9	27
67	Fabrication of PCL/PVP Electrospun Fibers loaded with Trans-anethole for Bone Regeneration in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 171, 698-706	6	26
66	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> , 2019 , 158, 43-52	4.6	26

65	Genes for E1, E2, and E3 small nucleolar RNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 9001-5	11.5	25
64	Expression of matrix metalloproteinases in human breast cancer tissues. <i>Disease Markers</i> , 2013 , 34, 395-405	4.05	25
63	Transforming growth factor- β 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> , 2017 , 94, 370-377	7.9	24
62	Intracellular localization and unique conserved sequences of three small nucleolar RNAs. <i>Nucleic Acids Research</i> , 1997 , 25, 1591-6	20.1	23
61	Transcriptional activation of collagenase-3 by transforming growth factor-beta1 is via MAPK and Smad pathways in human breast cancer cells. <i>FEBS Letters</i> , 2002 , 532, 31-5	3.8	23
60	Characterization of Runx2 phosphorylation sites required for TGF- β -mediated stimulation of matrix metalloproteinase-13 expression in osteoblastic cells. <i>Journal of Cellular Physiology</i> , 2018 , 233, 1082-1094	7	22
59	Regulation of collagenase-3 gene expression in osteoblastic and non-osteoblastic cell lines. <i>Journal of Cellular Biochemistry</i> , 2000 , 79, 182-90	4.7	22
58	Hydroxyapatite mixed-electro discharge formation of bioceramic Lakargiite (CaZrO ₃) on ZrCuNiTiBe for orthopedic application. <i>Materials and Manufacturing Processes</i> , 2018 , 33, 1734-1744	4.1	22
57	Osteostimulatory effect of biocomposite scaffold containing phytomolecule diosmin by Integrin/FAK/ERK signaling pathway in mouse mesenchymal stem cells. <i>Scientific Reports</i> , 2019 , 9, 11900	4.9	20
56	Runx2, a target gene for activating transcription factor-3 in human breast cancer cells. <i>Tumor Biology</i> , 2015 , 36, 1923-31	2.9	20
55	Synthesis, Characterization and Biological Action of Nano-Bioglass Ceramic Particles for Bone Formation. <i>Journal of Biomaterials and Tissue Engineering</i> , 2012 , 2, 197-205	0.3	20
54	Polycaprolactone/polyvinylpyrrolidone coaxial electrospun fibers containing veratric acid-loaded chitosan nanoparticles for bone regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 193, 111110	6	18
53	Mitogen activated protein kinase-dependent inhibition of osteocalcin gene expression by transforming growth factor-beta1. <i>Journal of Cellular Biochemistry</i> , 2009 , 106, 161-9	4.7	18
52	Parathyroid hormone regulates histone deacetylases in osteoblasts. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1116, 349-53	6.5	18
51	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> , 2009 , 108, 408-14	4.7	17
50	Nanosheets-incorporated bio-composites containing natural and synthetic polymers/ceramics for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1960-1972	7.9	17
49	Parathyroid hormone-induced down-regulation of miR-532-5p for matrix metalloproteinase-13 expression in rat osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 6181-6193	4.7	16
48	Chitosan in Surface Modification for Bone Tissue Engineering Applications. <i>Biotechnology Journal</i> , 2019 , 14, e1900171	5.6	16

47	Regulation of Runx2 by Histone Deacetylases in Bone. <i>Current Protein and Peptide Science</i> , 2016 , 17, 343-51	2.8	14
46	Bioactive mesoporous wollastonite particles for bone tissue engineering. <i>Journal of Tissue Engineering</i> , 2016 , 7, 2041731416680319	7.5	14
45	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> , 2005 , 95, 1002-11	4.7	13
44	Chitosan-based 3D-printed scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 1925-1938	7.9	13
43	Stimulation of ATF3 interaction with Smad4 via TGF- β for matrix metalloproteinase 13 gene activation in human breast cancer cells. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 954-961	7.9	12
42	Transcription in the osteoblast: regulatory mechanisms utilized by parathyroid hormone and transforming growth factor-beta. <i>Progress in Molecular Biology and Translational Science</i> , 2005 , 80, 287-321		12
41	Formulation and biological actions of nano-bioglass ceramic particles doped with Calcearea phosphorica for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2018 , 83, 202-209	8.3	10
40	An insight into cell-laden 3D-printed constructs for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 9836-9862	7.3	10
39	Purification and characterization of a high-molecular-weight protein induced in rat serum during the development of cardiac hypertrophy. <i>Archives of Biochemistry and Biophysics</i> , 1990 , 281, 287-97	4.1	9
38	Osteogenic potential of zingerone, a phenolic compound in mouse mesenchymal stem cells. <i>BioFactors</i> , 2019 , 45, 575-582	6.1	8
37	miR-873-3p targets HDAC4 to stimulate matrix metalloproteinase-13 expression upon parathyroid hormone exposure in rat osteoblasts. <i>Journal of Cellular Physiology</i> , 2020 , 235, 7996-8009	7	8
36	Regulation of Histone Deacetylases by MicroRNAs in Bone. <i>Current Protein and Peptide Science</i> , 2019 , 20, 356-367	2.8	8
35	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> , 2021 , 109, 654-664	3.5	7
34	TGF- β -stimulation of matrix metalloproteinase-13 expression by down-regulation of miR-203a-5p in rat osteoblasts. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 541-549	7.9	6
33	Matrix metalloproteinase-13: A special focus on its regulation by signaling cascades and microRNAs in bone. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 338-349	7.9	6
32	Valproic acid, A Potential Inducer of Osteogenesis in Mouse Mesenchymal Stem Cells. <i>Current Molecular Pharmacology</i> , 2021 , 14, 27-35	3.7	6
31	An osteoinductive effect of phytol on mouse mesenchymal stem cells (C3H10T1/2) towards osteoblasts. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127137	2.9	5
30	The Functional Significance of Endocrine-immune Interactions in Health and Disease. <i>Current Protein and Peptide Science</i> , 2020 , 21, 52-65	2.8	5

29	Metal doped calcium silicate biomaterial for skin tissue regeneration in vitro. <i>Journal of Biomaterials Applications</i> , 2021 , 36, 140-151	2.9	5
28	Synthesis and characterization of magnesium diboride nanosheets in alginate/polyvinyl alcohol scaffolds for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 203, 111771	6	5
27	Cellular senescence and aging in bone 2021 , 187-202		5
26	The gene for human E2 small nucleolar RNA resides in an intron of a laminin-binding protein gene. <i>Genomics</i> , 1995 , 30, 400-1	4.3	5
25	Osteogenic stimulatory effect of heraclenin purified from bael in mouse mesenchymal stem cells in vitro. <i>Chemico-Biological Interactions</i> , 2019 , 310, 108750	5	4
24	Preparation and characterization of chitosan/carboxymethyl pullulan/bioglass composite films for wound healing. <i>Journal of Biomaterials Applications</i> , 2021 , 8853282211050161	2.9	4
23	Histone acetyl transferases and their epigenetic impact on bone remodeling. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 326-335	7.9	4
22	Three-dimensional-poly(lactic acid) scaffolds coated with gelatin/magnesium-doped nano-hydroxyapatite for bone tissue engineering. <i>Biotechnology Journal</i> , 2021 , 16, e2100282	5.6	4
21	Intron-encoded small nucleolar RNAs: new RNA sequence variants and genomic loci. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995 , 1260, 230-4		3
20	A computational approach on studying the regulation of TGF- β -stimulated Runx2 expression by MicroRNAs in human breast cancer cells. <i>Computers in Biology and Medicine</i> , 2021 , 137, 104823	7	3
19	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> , 2021 , 630, 127609	5.1	3
18	Composites Containing Marine Biomaterials for Bone Tissue Repair. <i>Springer Series in Biomaterials Science and Engineering</i> , 2019 , 357-382	0.6	2
17	Epigenetic modifications of histones during osteoblast differentiation.. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2021 , 1865, 194780	6	2
16	Regulation of Runx2 and Its Signaling Pathways by MicroRNAs in Breast Cancer Metastasis. <i>Current Protein and Peptide Science</i> , 2021 , 22, 534-547	2.8	2
15	Bone Proteinases 2002 , 251-264		2
14	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> , 2020 , 89, 107386	3.6	2
13	Activation of myosin heavy chain genes during cardiac hypertrophy. <i>Journal of Biosciences</i> , 1988 , 13, 249-256	2.5	1
12	Role of p300, a histone acetyltransferase enzyme, in osteoblast differentiation.. <i>Differentiation</i> , 2022 , 124, 43-51	3.5	1

11	Regulation of Breast Cancer Progression by Noncoding RNAs. <i>Current Cancer Drug Targets</i> , 2020 , 20, 757-767	2.8	1
10	Regulation of bone metastasis and metastasis suppressors by non-coding RNAs in breast cancer. <i>Biochimie</i> , 2021 , 187, 14-24	4.6	1
9	Biocomposite Scaffolds Derived from Renewable Resources for Bone Tissue Repair439-485		1
8	Orsellinic acid-loaded chitosan nanoparticles in gelatin/nanohydroxyapatite scaffolds for bone formation in vitro.. <i>Life Sciences</i> , 2022 , 299, 120559	6.8	1
7	TGF- β -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> , 2021 , 192, 1325-1330	7.9	0
6	Advancements in nucleic acids-based techniques for bone regeneration. <i>Biotechnology Journal</i> , 2021 , e2100570	5.6	0
5	Expression of proto-oncogenes and muscle specific genes during cardiac hypertrophy and development in rats and humans. <i>Journal of Biosciences</i> , 1994 , 19, 155-169	2.3	
4	Parathyroid Hormone Stimulates Trafficking and Partial Degradation of Histone Deacetylase 4. <i>FASEB Journal</i> , 2007 , 21, A617	0.9	
3	Chitosan and Its Potential Use for the Delivery of Bioactive Molecules in Bone Tissue Engineering. <i>Advances in Polymer Science</i> , 2021 , 117-162	1.3	
2	Biopolymers/Ceramic-Based Nanocomposite Scaffolds for Drug Delivery in Bone Tissue Engineering. <i>Advances in Material Research and Technology</i> , 2022 , 337-376	0.4	
1	Wound dressings based on chitosan/gelatin/MgO composite films. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> ,1-10	3	