

Toshihisa Komori

List of Publications by Year in descending order

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151
papers

16,407
citations

18465

62
h-index

15716

125
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155
all docs

155
docs citations

155
times ranked

15915
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of osteoblast differentiation by transcription factors. <i>Journal of Cellular Biochemistry</i> , 2006, 99, 1233-1239.	1.2	851
2	Runx2 Is a Common Target of Transforming Growth Factor β 21 and Bone Morphogenetic Protein 2, and Cooperation between Runx2 and Smad5 Induces Osteoblast-Specific Gene Expression in the Pluripotent Mesenchymal Precursor Cell Line C2C12. <i>Molecular and Cellular Biology</i> , 2000, 20, 8783-8792.	1.1	823
3	Differential Requirements for Runx Proteins in CD4 Repression and Epigenetic Silencing during T Lymphocyte Development. <i>Cell</i> , 2002, 111, 621-633.	13.5	672
4	Regulation of bone development and extracellular matrix protein genes by RUNX2. <i>Cell and Tissue Research</i> , 2010, 339, 189-195.	1.5	646
5	Regulation of Osteoblast Differentiation Mediated by Bone Morphogenetic Proteins, Hedgehogs, and Cbfa1. <i>Endocrine Reviews</i> , 2000, 21, 393-411.	8.9	572
6	Maturation disturbance of chondrocytes in Cbfa1-deficient mice. <i>Developmental Dynamics</i> , 1999, 214, 279-290.	0.8	525
7	Runx2 and Runx3 are essential for chondrocyte maturation, and Runx2 regulates limb growth through induction of Indian hedgehog. <i>Genes and Development</i> , 2004, 18, 952-963.	2.7	521
8	Regulation of Proliferation, Differentiation and Functions of Osteoblasts by Runx2. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1694.	1.8	444
9	Overexpression of Cbfa1 in osteoblasts inhibits osteoblast maturation and causes osteopenia with multiple fractures. <i>Journal of Cell Biology</i> , 2001, 155, 157-166.	2.3	412
10	Cbfa1 Isoforms Exert Functional Differences in Osteoblast Differentiation. <i>Journal of Biological Chemistry</i> , 1999, 274, 6972-6978.	1.6	408
11	Runx2 induces osteoblast and chondrocyte differentiation and enhances their migration by coupling with PI3K-Akt signaling. <i>Journal of Cell Biology</i> , 2004, 166, 85-95.	2.3	379
12	Regulation of Osteoblast Differentiation by Runx2. <i>Advances in Experimental Medicine and Biology</i> , 2009, 658, 43-49.	0.8	370
13	Cbfa1 Is a Positive Regulatory Factor in Chondrocyte Maturation. <i>Journal of Biological Chemistry</i> , 2000, 275, 8695-8702.	1.6	356
14	Skeletal Malformations Caused by Overexpression of Cbfa1 or Its Dominant Negative Form in Chondrocytes. <i>Journal of Cell Biology</i> , 2001, 153, 87-100.	2.3	347
15	Runx2, an inducer of osteoblast and chondrocyte differentiation. <i>Histochemistry and Cell Biology</i> , 2018, 149, 313-323.	0.8	324
16	Developmental Regulation of Wnt/ β -Catenin Signals Is Required for Growth Plate Assembly, Cartilage Integrity, and Endochondral Ossification. <i>Journal of Biological Chemistry</i> , 2005, 280, 19185-19195.	1.6	295
17	Regulation of skeletal development by the Runx family of transcription factors. <i>Journal of Cellular Biochemistry</i> , 2005, 95, 445-453.	1.2	291
18	Collagenase 3 Is a Target of Cbfa1, a Transcription Factor of the <i>Runx</i> Gene Family Involved in Bone Formation. <i>Molecular and Cellular Biology</i> , 1999, 19, 4431-4442.	1.1	290

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19	Contribution of runt-related transcription factor 2 to the pathogenesis of osteoarthritis in mice after induction of knee joint instability. <i>Arthritis and Rheumatism</i> , 2006, 54, 2462-2470.	6.7	288
20	Signaling networks in RUNX2-dependent bone development. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 750-755.	1.2	279
21	Runx2, A multifunctional transcription factor in skeletal development. <i>Journal of Cellular Biochemistry</i> , 2002, 87, 1-8.	1.2	274
22	Core-binding factor β interacts with Runx2 and is required for skeletal development. <i>Nature Genetics</i> , 2002, 32, 633-638.	9.4	268
23	Transcriptional regulation of osteopontin gene in vivo by PEBP2 β /CBFA1 and ETS1 in the skeletal tissues. <i>Oncogene</i> , 1998, 17, 1517-1525.	2.6	263
24	Animal models for osteoporosis. <i>European Journal of Pharmacology</i> , 2015, 759, 287-294.	1.7	220
25	Regulation of bone development and maintenance by Runx2. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 898.	3.0	204
26	Runx2 determines bone maturity and turnover rate in postnatal bone development and is involved in bone loss in estrogen deficiency. <i>Developmental Dynamics</i> , 2007, 236, 1876-1890.	0.8	196
27	The Wnt Antagonist Frzb-1 Regulates Chondrocyte Maturation and Long Bone Development during Limb Skeletogenesis. <i>Developmental Biology</i> , 2002, 251, 142-156.	0.9	179
28	Reciprocal Roles of Msx2 in Regulation of Osteoblast and Adipocyte Differentiation. <i>Journal of Biological Chemistry</i> , 2004, 279, 34015-34022.	1.6	170
29	Requisite roles of Runx2 and Cbfb in skeletal development. <i>Journal of Bone and Mineral Metabolism</i> , 2003, 21, 193-7.	1.3	158
30	Functions of Osteocalcin in Bone, Pancreas, Testis, and Muscle. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7513.	1.8	147
31	Induction of Osteoclast Differentiation by Runx2 through Receptor Activator of Nuclear Factor- κ B Ligand (RANKL) and Osteoprotegerin Regulation and Partial Rescue of Osteoclastogenesis in Runx2-deficient Mice by RANKL Transgene. <i>Journal of Biological Chemistry</i> , 2003, 278, 23971-23977.	1.6	145
32	Multilineage Differentiation of Cbfa1-Deficient Calvarial Cells in Vitro. <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 630-636.	1.0	140
33	Roles of Runx2 in Skeletal Development. <i>Advances in Experimental Medicine and Biology</i> , 2017, 962, 83-93.	0.8	138
34	Ossifying fibroma vs fibrous dysplasia of the jaw: molecular and immunological characterization. <i>Modern Pathology</i> , 2007, 20, 389-396.	2.9	132
35	Runx2 deficiency in chondrocytes causes adipogenic changes in vitro. <i>Journal of Cell Science</i> , 2004, 117, 417-425.	1.2	131
36	Potential Role of Cbfa1, an Essential Transcriptional Factor for Osteoblast Differentiation, in Osteoclastogenesis: Regulation of mRNA Expression of Osteoclast Differentiation Factor(ODF). <i>Biochemical and Biophysical Research Communications</i> , 1998, 252, 697-702.	1.0	127

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37	Cell Death in Chondrocytes, Osteoblasts, and Osteocytes. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2045.	1.8	126
38	Runx2 is required for the proliferation of osteoblast progenitors and induces proliferation by regulating Fgfr2 and Fgfr3. <i>Scientific Reports</i> , 2018, 8, 13551.	1.6	124
39	Menin Is Required for Bone Morphogenetic Protein 2- and Transforming Growth Factor β -regulated Osteoblastic Differentiation through Interaction with Smads and Runx2. <i>Journal of Biological Chemistry</i> , 2004, 279, 40267-40275.	1.6	122
40	Osteocalcin is necessary for the alignment of apatite crystallites, but not glucose metabolism, testosterone synthesis, or muscle mass. <i>PLoS Genetics</i> , 2020, 16, e1008586.	1.5	119
41	BMP-2 promotes differentiation of osteoblasts and chondroblasts in Runx2-deficient cell lines. <i>Journal of Cellular Physiology</i> , 2007, 211, 728-735.	2.0	114
42	Transcription factor ERG and joint and articular cartilage formation during mouse limb and spine skeletogenesis. <i>Developmental Biology</i> , 2007, 305, 40-51.	0.9	108
43	Cbfa1 in bone development. <i>Current Opinion in Genetics and Development</i> , 1998, 8, 494-499.	1.5	105
44	Tensile Stress Induces Bone Morphogenetic Protein 4 in Preosteoblastic and Fibroblastic Cells, Which Later Differentiate into Osteoblasts Leading to Osteogenesis in the Mouse Calvariae in Organ Culture. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 24-32.	3.1	104
45	A regulatory cascade involving retinoic acid, Cbfa1, and matrix metalloproteinases is coupled to the development of a process of perichondrial invasion and osteogenic differentiation during bone formation. <i>Journal of Cell Biology</i> , 2001, 155, 1333-1344.	2.3	102
46	Mammalian Polycomb-mediated repression of Hox genes requires the essential spliceosomal protein Sfb1. <i>Genes and Development</i> , 2005, 19, 536-541.	2.7	102
47	Inhibition of the terminal differentiation of odontoblasts and their transdifferentiation into osteoblasts in Runx2 transgenic mice. <i>Archives of Histology and Cytology</i> , 2008, 71, 131-146.	0.2	94
48	Dlx5 and Mef2 Regulate a Novel Runx2 Enhancer for Osteoblast-Specific Expression. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1960-1969.	3.1	94
49	Akt regulates skeletal development through GSK3, mTOR, and FoxOs. <i>Developmental Biology</i> , 2009, 328, 78-93.	0.9	92
50	Molecular Mechanism of Runx2-Dependent Bone Development. <i>Molecules and Cells</i> , 2020, 43, 168-175.	1.0	87
51	Functions of the osteocyte network in the regulation of bone mass. <i>Cell and Tissue Research</i> , 2013, 352, 191-198.	1.5	85
52	Osteocyte Network; a Negative Regulatory System for Bone Mass Augmented by the Induction of Rankl in Osteoblasts and Sost in Osteocytes at Unloading. <i>PLoS ONE</i> , 2012, 7, e40143.	1.1	81
53	Runx2 induces acute myeloid leukemia in cooperation with Cbfa1-SMMHC in mice. <i>Blood</i> , 2009, 113, 3323-3332.	0.6	74
54	SP7 Inhibits Osteoblast Differentiation at a Late Stage in Mice. <i>PLoS ONE</i> , 2012, 7, e32364.	1.1	73

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55	Double Deficiency of Tetraspanins CD9 and CD81 Alters Cell Motility and Protease Production of Macrophages and Causes Chronic Obstructive Pulmonary Disease-like Phenotype in Mice. <i>Journal of Biological Chemistry</i> , 2008, 283, 26089-26097.	1.6	71
56	Requirement for Runx Proteins in IgA Class Switching Acting Downstream of TGF- β 1 and Retinoic Acid Signaling. <i>Journal of Immunology</i> , 2010, 184, 2785-2792.	0.4	71
57	Parathyroid Hormone-responsive Smad3-related Factor, Tmem119, Promotes Osteoblast Differentiation and Interacts with the Bone Morphogenetic Protein-Runx2 Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 9787-9796.	1.6	71
58	Calcium/calmodulin-signaling supports TRPV4 activation in osteoclasts and regulates bone mass. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1708-1721.	3.1	71
59	Autophagy-Related Protein 7 Deficiency in Amyloid β (A β) Precursor Protein Transgenic Mice Decreases A β in the Multivesicular Bodies and Induces A β Accumulation in the Golgi. <i>American Journal of Pathology</i> , 2015, 185, 305-313.	1.9	70
60	Negative Regulation of Bone Morphogenetic Protein/Smad Signaling by Cas-interacting Zinc Finger Protein in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2002, 277, 29840-29846.	1.6	67
61	Cbfl β regulates Runx2 function isoform-dependently in postnatal bone development. <i>Developmental Biology</i> , 2006, 296, 48-61.	0.9	66
62	Runx2 Represses Myocardin-Mediated Differentiation and Facilitates Osteogenic Conversion of Vascular Smooth Muscle Cells. <i>Molecular and Cellular Biology</i> , 2008, 28, 1147-1160.	1.1	66
63	Cbfb Regulates Bone Development by Stabilizing Runx Family Proteins. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 706-714.	3.1	65
64	Runx2 regulates cranial suture closure by inducing hedgehog, Fgf, Wnt and Pthlh signaling pathway gene expressions in suture mesenchymal cells. <i>Human Molecular Genetics</i> , 2019, 28, 896-911.	1.4	64
65	Runx2 is essential for the transdifferentiation of chondrocytes into osteoblasts. <i>PLoS Genetics</i> , 2020, 16, e1009169.	1.5	64
66	The role of short homology repeats and TdT in generation of the invariant β antigen receptor repertoire in the fetal thymus. <i>Immunity</i> , 1995, 3, 439-447.	6.6	61
67	Impairment of Bone Healing by Insulin Receptor Substrate-1 Deficiency. <i>Journal of Biological Chemistry</i> , 2004, 279, 15314-15322.	1.6	61
68	Excessive Extramedullary Hematopoiesis in Cbfa1-Deficient Mice with a Congenital Lack of Bone Marrow. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 352-359.	1.0	56
69	A Fundamental Transcription Factor for Bone and Cartilage. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 813-816.	1.0	54
70	Early onset of Runx2 expression caused craniosynostosis, ectopic bone formation, and limb defects. <i>Bone</i> , 2011, 49, 673-682.	1.4	54
71	What is the function of osteocalcin?. <i>Journal of Oral Biosciences</i> , 2020, 62, 223-227.	0.8	53
72	Whole Aspect of Runx2 Functions in Skeletal Development. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5776.	1.8	53

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73	Dexamethasone inhibits insulin-induced chondrogenesis of ATDC5 cells by preventing PI3K-Akt signaling and DNA binding of Runx2. <i>Journal of Cellular Biochemistry</i> , 2004, 93, 374-383.	1.2	52
74	Smad2 Overexpression Enhances Smad4 Gene Expression and Suppresses CBFA1 Gene Expression in Osteoblastic Osteosarcoma ROS17/2.8 Cells and Primary Rat Calvaria Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 31009-31015.	1.6	50
75	Delayed tooth eruption and suppressed osteoclast number in the eruption pathway of heterozygous Runx2/Cbfa1 knockout mice. <i>Archives of Oral Biology</i> , 2004, 49, 435-442.	0.8	50
76	Overexpression of Bcl2 in Osteoblasts Inhibits Osteoblast Differentiation and Induces Osteocyte Apoptosis. <i>PLoS ONE</i> , 2011, 6, e27487.	1.1	49
77	Characterization of GATA-1+ hemangioblastic cells in the mouse embryo. <i>EMBO Journal</i> , 2007, 26, 184-196.	3.5	48
78	Influenza A Virus-Induced Expression of a GalNAc Transferase, GALNT3, via MicroRNAs Is Required for Enhanced Viral Replication. <i>Journal of Virology</i> , 2016, 90, 1788-1801.	1.5	48
79	Statins inhibit osteoblast migration by inhibiting Rac-Akt signaling. <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 636-642.	1.0	45
80	Bcl2 Deficiency Activates FoxO through Akt Inactivation and Accelerates Osteoblast Differentiation. <i>PLoS ONE</i> , 2014, 9, e86629.	1.1	44
81	Impaired Vascular Invasion of Cbfa1-Deficient Cartilage Engrafted in the Spleen. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 1297-1305.	3.1	42
82	Inhibition of Notch1 signaling by Runx2 during osteoblast differentiation. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 317-330.	3.1	40
83	Isolation and characterization of the distal promoter region of mouse Cbfa1. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999, 1446, 265-272.	2.4	39
84	Expression of dentin matrix protein 1 in tumors causing oncogenic osteomalacia. <i>Modern Pathology</i> , 2004, 17, 573-578.	2.9	38
85	Sp1 Family of Transcription Factors Regulates the Human $\alpha 2$ (XI) Collagen Gene (COL11A2) in Saos-2 Osteoblastic Cells. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 661-673.	3.1	38
86	Osteogenic Factor Runx2 Marks a Subset of Leptin Receptor-Positive Cells that Sit Atop the Bone Marrow Stromal Cell Hierarchy. <i>Scientific Reports</i> , 2017, 7, 4928.	1.6	38
87	Interaction of Tmem119 and the bone morphogenetic protein pathway in the commitment of myoblastic into osteoblastic cells. <i>Bone</i> , 2012, 51, 158-167.	1.4	35
88	Parathyroid Hormone Shifts Cell Fate of a Leptin Receptor-Marked Stromal Population from Adipogenic to Osteoblastic Lineage. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1952-1963.	3.1	35
89	Aged Mice Require Full Transcription Factor, Runx2/Cbfa1, Gene Dosage for Cancellous Bone Regeneration After Bone Marrow Ablation. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1481-1489.	3.1	33
90	Immobilization-Induced Cartilage Degeneration Mediated Through Expression of Hypoxia-Inducible Factor-1 α , Vascular Endothelial Growth Factor, and Chondromodulin-1. <i>Connective Tissue Research</i> , 2009, 50, 37-45.	1.1	32

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91	Comparative morphology of the osteocyte lacunocanalicular system in various vertebrates. <i>Journal of Bone and Mineral Metabolism</i> , 2011, 29, 662-670.	1.3	32
92	Pyruvate dehydrogenase kinase 4 induces bone loss at unloading by promoting osteoclastogenesis. <i>Bone</i> , 2012, 50, 409-419.	1.4	31
93	A Trans-Acting Enhancer Modulates Estrogen-Mediated Transcription of Reporter Genes in Osteoblasts. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 248-255.	3.1	30
94	Pin1-mediated Runx2 modification is critical for skeletal development. <i>Journal of Cellular Physiology</i> , 2013, 228, 2377-2385.	2.0	30
95	Galnt3 deficiency disrupts acrosome formation and leads to oligoasthenoteratozoospermia. <i>Histochemistry and Cell Biology</i> , 2013, 139, 339-354.	0.8	30
96	Regulation of Osteoblast and Odontoblast Differentiation by RUNX2. <i>Journal of Oral Biosciences</i> , 2010, 52, 22-25.	0.8	29
97	Regulation of Tcf7 by Runx2 in chondrocyte maturation and proliferation. <i>Journal of Bone and Mineral Metabolism</i> , 2011, 29, 291-299.	1.3	28
98	Novel Hedgehog Agonists Promote Osteoblast Differentiation in Mesenchymal Stem Cells. <i>Journal of Cellular Physiology</i> , 2015, 230, 922-929.	2.0	28
99	OBIF, an osteoblast induction factor, plays an essential role in bone formation in association with osteoblastogenesis. <i>Development Growth and Differentiation</i> , 2012, 54, 474-480.	0.6	26
100	Runt-related transcription factor-2 (Runx2) is required for bone matrix protein gene expression in committed osteoblasts in mice. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 2081-2095.	3.1	26
101	MAML1 Enhances the Transcriptional Activity of Runx2 and Plays a Role in Bone Development. <i>PLoS Genetics</i> , 2013, 9, e1003132.	1.5	24
102	Bone morphogenetic protein rescues the lack of secondary cartilage in Runx2-deficient mice. <i>Journal of Anatomy</i> , 2007, 211, 8-15.	0.9	23
103	Overexpression of <i>BCLXL</i> in Osteoblasts Inhibits Osteoblast Apoptosis and Increases Bone Volume and Strength. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1366-1380.	3.1	22
104	Immunohistochemical analysis of dentin matrix protein 1 (Dmp1) phosphorylation by Fam20C in bone: implications for the induction of biomineralization. <i>Histochemistry and Cell Biology</i> , 2017, 147, 341-351.	0.8	21
105	Micro-CT evaluation of tooth, calvaria and mechanical stress-induced tooth movement in adult Runx2/Cbfa1 heterozygous knock-out mice. <i>Journal of Medical and Dental Sciences</i> , 2004, 51, 105-13.	0.4	21
106	Inhibition of Cdk6 expression through p38 MAP kinase is involved in differentiation of mouse prechondrocyte ATDC5. <i>Journal of Cellular Physiology</i> , 2005, 204, 927-933.	2.0	20
107	Mouse Models for the Evaluation of Osteocyte Functions. <i>Journal of Bone Metabolism</i> , 2014, 21, 55.	0.5	20
108	Filamin-interacting proteins, Cfm1 and Cfm2, are essential for the formation of cartilaginous skeletal elements. <i>Human Molecular Genetics</i> , 2014, 23, 2953-2967.	1.4	19

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109	Thrombospondin-1 Is a Putative Target Gene of Runx2 and Runx3. <i>International Journal of Molecular Sciences</i> , 2013, 14, 14321-14332.	1.8	18
110	Antagonistic Functions of USAG-1 and RUNX2 during Tooth Development. <i>PLoS ONE</i> , 2016, 11, e0161067.	1.1	16
111	Overexpression of Galnt3 in Chondrocytes Resulted in Dwarfism Due to the Increase of Mucin-type O-Glycans and Reduction of Glycosaminoglycans. <i>Journal of Biological Chemistry</i> , 2014, 289, 26584-26596.	1.6	14
112	Constitutive activation of the alternative NF- κ B pathway disturbs endochondral ossification. <i>Bone</i> , 2019, 121, 29-41.	1.4	14
113	Runx3 is required for oncogenic Myc upregulation in p53-deficient osteosarcoma. <i>Oncogene</i> , 2022, 41, 683-691.	2.6	14
114	Cbfb2 Isoform Dominates More Potent Cbfb1 and Is Required for Skeletal Development. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1391-1404.	3.1	13
115	Antxr1, Which is a Target of Runx2, Regulates Chondrocyte Proliferation and Apoptosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2425.	1.8	13
116	Rearrangement of immunoglobulin heavy chain genes and t3 expression in the absence of rearrangement of t-cell receptor β -chain gene in a patient with t-cell malignant lymphoma. <i>Leukemia Research</i> , 1986, 10, 1369-1375.	0.4	12
117	Regulation of Rb family proteins by Cdk6/Ccnd1 in growth plates. <i>Cell Cycle</i> , 2013, 12, 2161-2162.	1.3	11
118	N sequences, P nucleotides and short sequence homologies at junctional sites in VH to VHDJH and VHDJH to JH joining. <i>Molecular Immunology</i> , 1993, 30, 1393-1398.	1.0	10
119	Biased usage of two restricted VH gene segments in Vh replacement. <i>European Journal of Immunology</i> , 1993, 23, 517-522.	1.6	9
120	Chronological histological changes during bone regeneration on a non-crosslinked atelocollagen matrix. <i>Journal of Bone and Mineral Metabolism</i> , 2012, 30, 638-650.	1.3	9
121	The functions of Runx family transcription factors and Cbfb in skeletal development. <i>Oral Science International</i> , 2015, 12, 1-4.	0.3	9
122	Smoc1 and Smoc2 regulate bone formation as downstream molecules of Runx2. <i>Communications Biology</i> , 2021, 4, 1199.	2.0	9
123	Evaluation of 9.4-T MR microimaging in assessing normal and defective fetal bone development: comparison of MR imaging and histological findings. <i>Bone</i> , 2004, 34, 619-628.	1.4	8
124	Lack of reproducibility in osteocalcin-deficient mice. <i>PLoS Genetics</i> , 2020, 16, e1008939.	1.5	8
125	Osteocytes: Their Lacunocanalicular Structure and Mechanoresponses. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4373.	1.8	8
126	Microtubule-associated protein tau (Mapt) is expressed in terminally differentiated odontoblasts and severely down-regulated in morphologically disturbed odontoblasts of Runx2 transgenic mice. <i>Cell and Tissue Research</i> , 2015, 361, 457-466.	1.5	7

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127	TREATMENT OF A PATIENT IN A RELAPSE AFTER BONE MARROW TRANSPLANTATION FOR ACUTE LYMPHOBLASTIC LEUKEMIA WITH THE SYSTEMIC ADMINISTRATION OF ALLOGENEIC LYMPHOKINE-ACTIVATED KILLER CELLS AND RECOMBINANT INTERLEUKIN-2. <i>European Journal of Haematology</i> , 1989, 43, 184-185.	1.1	6
128	Overexpression of Fam20C in osteoblast in vivo leads to increased cortical bone formation and osteoclastic bone resorption. <i>Bone</i> , 2020, 138, 115414.	1.4	6
129	Sp7 Transgenic Mice with a Markedly Impaired Lacunocanalicular Network Induced Sost and Reduced Bone Mass by Unloading. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3173.	1.8	6
130	Role of SIBLINGs on matrix mineralization: Focus on dentin matrix protein 1 (DMP1). <i>Journal of Oral Biosciences</i> , 2012, 54, 30-36.	0.8	5
131	Novel sandwich ELISAs for rat DMP1: Age-related decrease of circulatory DMP1 levels in male rats. <i>Bone</i> , 2013, 57, 429-436.	1.4	5
132	Sphenoid bone hypoplasia is a skeletal phenotype of cleidocranial dysplasia in a mouse model and patients. <i>Bone</i> , 2019, 120, 176-186.	1.4	5
133	Expression of a Constitutively Active Form of Hck in Chondrocytes Activates Wnt and Hedgehog Signaling Pathways, and Induces Chondrocyte Proliferation in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2682.	1.8	5
134	Overexpression of Sp7 in odontoblasts results in dentinogenesis imperfecta due to the inhibition of odontoblast maturation. <i>Journal of Oral Biosciences</i> , 2017, 59, 113-120.	0.8	4
135	Cbfa1, a transcription factor for osteoblast differentiation and bone formation. <i>Journal of Bone and Mineral Metabolism</i> , 1998, 16, 1-4.	1.3	3
136	Collapsin Response Mediator Protein 1, a Novel Marker Protein for Differentiated Odontoblasts. <i>Acta Histochemica Et Cytochemica</i> , 2018, 51, 185-190.	0.8	3
137	A review of the differing roles of dead and live osteocytes. <i>Journal of Oral Biosciences</i> , 2014, 56, 101-104.	0.8	2
138	Maturation disturbance of chondrocytes in Cbfa1-deficient mice. , 1999, 214, 279.		2
139	Regulation of bone mass at unloaded condition by osteocyte network. <i>Arthritis Research and Therapy</i> , 2012, 14, .	1.6	0
140	The Functional Involvement of Rac on Bone and Tooth Formation: Characteristic of N17Rac Transgenic Mice. <i>Journal of Hard Tissue Biology</i> , 2005, 14, 279-279.	0.2	0
141	ROLE OF CBFAI IN OSTEOBLAST AND CHONDROCYTE DIFFERENTIATION. , 1999, , .		0
142	Title is missing!. , 2020, 16, e1008586.		0
143	Title is missing!. , 2020, 16, e1008586.		0
144	Title is missing!. , 2020, 16, e1008586.		0

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145	Title is missing!. , 2020, 16, e1008586.		0
146	Title is missing!. , 2020, 16, e1008586.		0
147	Title is missing!. , 2020, 16, e1008586.		0
148	Runx2 is essential for the transdifferentiation of chondrocytes into osteoblasts. , 2020, 16, e1009169.		0
149	Runx2 is essential for the transdifferentiation of chondrocytes into osteoblasts. , 2020, 16, e1009169.		0
150	Runx2 is essential for the transdifferentiation of chondrocytes into osteoblasts. , 2020, 16, e1009169.		0
151	Runx2 is essential for the transdifferentiation of chondrocytes into osteoblasts. , 2020, 16, e1009169.		0