Akira Kudo

List of Publications by Year
in descending order

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167 papers	12,447 citations	26567 56 h-index	26548 107 g-index
168 all docs	168 docs citations	168 times ranked	12722 citing authors

#	Article	IF	Citations
1	Identification and Characterization of a Novel Protein, Periostin, with Restricted Expression to Periosteum and Periodontal Ligament and Increased Expression by Transforming Growth Factor Î². Journal of Bone and Mineral Research, 1999, 14, 1239-1249.	3.1	851
2	Tumor Necrosis Factor-Î± Induces Differentiation of and Bone Resorption by Osteoclasts. Journal of Biological Chemistry, 2000, 275, 4858-4864.	1.6	645
3	A critical role of Î»5 protein in B cell development. Cell, 1992, 69, 823-831.	13.5	598
4	Identification and Characterization of the New Osteoclast Progenitor with Macrophage Phenotypes Being Able to Differentiate into Mature Osteoclasts. Journal of Bone and Mineral Research, 2000, 15, 1477-1488.	3.1	547
5	The gamete fusion process is defective in eggs of Cd9-deficient mice. Nature Genetics, 2000, 24, 279-282.	9.4	448
6	Periostin is essential for cardiac healingafter acute myocardial infarction. Journal of Experimental Medicine, 2008, 205, 295-303.	4.2	404
7	The proteins encoded by the VpreB and lambda 5 pre-B cell-specific genes can associate with each other and with mu heavy chain.. Journal of Experimental Medicine, 1990, 172, 969-972.	4.2	332
8	The role of periostin in tissue remodeling across health and disease. Cellular and Molecular Life Sciences, 2014, 71, 1279-1288.	2.4	321
9	Osteopetrosis and thalamic hypomyelinosis with synaptic degeneration in DAP12-deficient mice. Journal of Clinical Investigation, 2003, 111, 323-332.	3.9	292
10	Periostin in fibrillogenesis for tissue regeneration: periostin actions inside and outside the cell. Cellular and Molecular Life Sciences, 2011, 68, 3201-3207.	2.4	269
11	The surrogate light chain in B-cell development. Trends in Immunology, 1993, 14, 60-68.	7.5	244
12	Activation of calcium signaling through Trpv1 by nNOS and peroxynitrite as a key trigger of skeletal muscle hypertrophy. Nature Medicine, 2013, 19, 101-106.	15.2	244
13	Incorporation of Tenascin-C into the Extracellular Matrix by Periostin Underlies an Extracellular Meshwork Architecture. Journal of Biological Chemistry, 2010, 285, 2028-2039.	1.6	239
14	Interaction between Periostin and BMP-1 Promotes Proteolytic Activation of Lysyl Oxidase. Journal of Biological Chemistry, 2010, 285, 13294-13303.	1.6	225
15	Periostin advances atherosclerotic and rheumatic cardiac valve degeneration by inducing angiogenesis and MMP production in humans and rodents. Journal of Clinical Investigation, 2010, 120, 2292-2306.	3.9	160
16	Recombinant Human Growth/Differentiation Factor 5 Stimulates Mesenchyme Aggregation and Chondrogenesis Responsible for the Skeletal Development of Limbs. Growth Factors, 1996, 13, 65-74.	0.5	156
17	A functional study on polymorphism of the ATP-binding cassette transporter ABCG2: critical role of arginine-482 in methotrexate transport. Biochemical Journal, 2003, 373, 767-774.	1.7	120
18	Retinoic acid-metabolizing enzyme Cyp26a1 is essential for determining territories of hindbrain and spinal cord in zebrafish. Developmental Biology, 2005, 278, 415-427.	0.9	118

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19	Periostin is an extracellular matrix protein required for eruption of incisors in mice. Biochemical and Biophysical Research Communications, 2006, 342, 766-772.	1.0	117
20	A novel mechanism for the regulation of osteoblast differentiation: Transcription of periostin, a member of the fasciclin I family, is regulated by the bHLH transcription factor, twist. Journal of Cellular Biochemistry, 2002, 86, 792-804.	1.2	115
21	Periostin Is Expressed in Pericryptal Fibroblasts and Cancer-associated Fibroblasts in the Colon. Journal of Histochemistry and Cytochemistry, 2008, 56, 753-764.	1.3	113
22	Overexpression of cadherins suppresses pulmonary metastasis of osteosarcomain vivo. International Journal of Cancer, 2003, 104, 147-154.	2.3	112
23	Pkd1l1 complexes with Pkd2 on motile cilia and functions to establish the left-right axis. Development (Cambridge), 2011, 138, 1121-1129.	1.2	112
24	Transient inflammatory response mediated by interleukin-1Î² is required for proper regeneration in zebrafish fin fold. ELife, 2017, 6, .	2.8	112
25	Delayed Re-Epithelialization in Periostin-Deficient Mice during Cutaneous Wound Healing. PLoS ONE, 2011, 6, e18410.	1.1	111
26	The teleost intervertebral region acts as a growth center of the centrum: In vivo visualization of osteoblasts and their progenitors in transgenic fish. Developmental Dynamics, 2007, 236, 3031-3046.	0.8	109
27	Differential reparative phenotypes between zebrafish and medaka after cardiac injury. Developmental Dynamics, 2014, 243, 1106-1115.	0.8	107
28	The divergent expression of periostin mRNA in the periodontal ligament during experimental tooth movement. Cell and Tissue Research, 2003, 312, 345-351.	1.5	106
29	B cell development in mice with a defective Î»5 gene. European Journal of Immunology, 1993, 23, 1284-1288.	1.6	103
30	Infertility of CD9-Deficient Mouse Eggs Is Reversed by Mouse CD9, Human CD9, or Mouse CD81; Polyadenylated mRNA Injection Developed for Molecular Analysis of Spermâ€“Egg Fusion. Developmental Biology, 2002, 247, 327-334.	0.9	103
31	Periostin, a matricellular protein, accelerates cutaneous wound repair by activating dermal fibroblasts. Experimental Dermatology, 2012, 21, 331-336.	1.4	101
32	The Niche Component Periostin Is Produced by Cancer-Associated Fibroblasts, Supporting Growth of Gastric Cancer through ERK Activation. American Journal of Pathology, 2014, 184, 859-870.	1.9	100
33	Cell-Cell Interaction Mediated by Cadherin-11 Directly Regulates the Differentiation of Mesenchymal Cells Into the Cells of the Osteo-Lineage and the Chondro-Lineage. Journal of Bone and Mineral Research, 2004, 19, 1840-1849.	3.1	97
34	Gene expression and functional analysis of zebrafish larval fin fold regeneration. Developmental Biology, 2009, 325, 71-81.	0.9	95
35	TRAF2 Is Essential for TNF-Î±-Induced Osteoclastogenesis. Journal of Bone and Mineral Research, 2004, 20, 840-847.	3.1	91
36	Cellular and molecular processes of regeneration, with special emphasis on fish fins. Development Growth and Differentiation, 2007, 49, 145-154.	0.6	90

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37	Filamin C plays an essential role in the maintenance of the structural integrity of cardiac and skeletal muscles, revealed by the medaka mutant zacro. Developmental Biology, 2012, 361, 79-89.	0.9	90
38	Periostin, a novel marker of intramembranous ossification, is expressed in fibrous dysplasia and in c-Fosâ€“overexpressing bone lesions. Human Pathology, 2009, 40, 226-237.	1.1	89
39	Periostin Facilitates Skin Sclerosis via PI3K/Akt Dependent Mechanism in a Mouse Model of Scleroderma. PLoS ONE, 2012, 7, e41994.	1.1	89
40	Periostin deposition in the stroma of invasive and intraductal neoplasms of the pancreas. Modern Pathology, 2008, 21, 1044-1053.	2.9	83
41	Immunohistochemical localization of periostin in tooth and its surrounding tissues in mouse mandibles during development. The Anatomical Record, 2004, 281A, 1264-1275.	2.3	82
42	Osteoclasts in bone modeling, as revealed by in vivo imaging, are essential for organogenesis in fish. Developmental Biology, 2011, 360, 96-109.	0.9	82
43	Targeted Disruption of Cadherin-11 Leads to a Reduction in Bone Density in Calvaria and Long Bone Metaphyses. Journal of Bone and Mineral Research, 2001, 16, 1265-1271.	3.1	80
44	The Transition of Cadherin Expression in Osteoblast Differentiation from Mesenchymal Cells: Consistent Expression of Cadherin-11 in Osteoblast Lineage. Journal of Bone and Mineral Research, 2001, 16, 260-269.	3.1	78
45	The mechanism of spermâ€“oocyte fusion in mammals. Reproduction, 2004, 127, 423-429.	1.1	76
46	Anomalous Cadherin Expression in Osteosarcoma. American Journal of Pathology, 1999, 155, 1549-1555.	1.9	74
47	Periostin function in communication with extracellular matrices. Journal of Cell Communication and Signaling, 2018, 12, 301-308.	1.8	74
48	Inactivation of Rho/ROCK Signaling Is Crucial for the Nuclear Accumulation of FKHR and Myoblast Fusion. Journal of Biological Chemistry, 2004, 279, 47311-47319.	1.6	70
49	EBF-regulating Pax5 transcription is enhanced by STAT5 in the early stage of B cells. European Journal of Immunology, 2003, 33, 1824-1829.	1.6	69
50	GFP transgenic mice reveal active canonical Wnt signal in neonatal brain and in adult liver and spleen. Genesis, 2007, 45, 90-100.	0.8	67
51	TRAF5 Functions in Both RANKL- and TNFÎ±-Induced Osteoclastogenesis. Journal of Bone and Mineral Research, 2003, 18, 443-450.	3.1	63
52	Large-scale analysis of the genes involved in fin regeneration and blastema formation in the medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 861-872.	1.7	63
53	Induction of immunoglobulin gene expression in mouse fibroblasts by cycloheximide treatment.. Journal of Experimental Medicine, 1984, 160, 1937-1942.	4.2	62
54	Periostin promotes the generation of fibrous membranes in proliferative vitreoretinopathy. FASEB Journal, 2014, 28, 131-142.	0.2	62

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55	Periostin Promotes Scar Formation through the Interaction between Pericytes and Infiltrating Monocytes/Macrophages after Spinal Cord Injury. American Journal of Pathology, 2017, 187, 639-653.	1.9	61
56	sec24d encoding a component of COPII is essential for vertebra formation, revealed by the analysis of the medaka mutant, vbi. Developmental Biology, 2010, 342, 85-95.	0.9	60
57	Microgravity promotes osteoclast activity in medaka fish reared at the international space station. Scientific Reports, 2015, 5, 14172.	1.6	59
58	Fgf signalling controls diverse aspects of fin regeneration. Development (Cambridge), 2016, 143, 2920-9.	1.2	59
59	Periostin Associates with Notch1 Precursor to Maintain Notch1 Expression under a Stress Condition in Mouse Cells. PLoS ONE, 2010, 5, e12234.	1.1	59
60	Recombinant growth/differentiation factor-5 (GDF-5) stimulates osteogenic differentiation of marrow mesenchymal stem cells in porous hydroxyapatite ceramic. Journal of Biomedical Materials Research Part B, 2004, 68A, 168-176.	3.0	58
61	Zebrafish periostin is required for the adhesion of muscle fiber bundles to the myoseptum and for the differentiation of muscle fibers. Developmental Biology, 2004, 267, 473-487.	0.9	57
62	Tumor Necrosis Factor Î±-Induced Osteoclastogenesis Requires Tumor Necrosis Factor Receptor-Associated Factor 6. Journal of Bone and Mineral Research, 2001, 16, 1593-1599.	3.1	56
63	Brpf1, a subunit of the MOZ histone acetyl transferase complex, maintains expression of anterior and posterior Hox genes for proper patterning of craniofacial and caudal skeletons. Developmental Biology, 2009, 329, 176-190.	0.9	56
64	Two Pathways of B-Lymphocyte Development in Mouse Bone Marrow and the Roles of Surrogate L Chain in this Development. Immunological Reviews, 1994, 137, 185-201.	2.8	54
65	Twist functions in vertebral column formation in medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 883-894.	1.7	54
66	Messenger RNA expression of periostin and Twist transiently decrease by occlusal hypofunction in mouse periodontal ligament. Archives of Oral Biology, 2005, 50, 1023-1031.	0.8	54
67	Introductory review: periostinâ€"gene and protein structure. Cellular and Molecular Life Sciences, 2017, 74, 4259-4268.	2.4	54
68	Phosphorylation of Junb family proteins by the Jun N-terminal kinase supports tissue regeneration in zebrafish. Developmental Biology, 2010, 340, 468-479.	0.9	53
69	Conversion of Normal Ly-1-Positive B-Lineage Cells into Ly-1-Positive Macrophages in Long-Term Bone Marrow Cultures. Autoimmunity, 1990, 1, 113-125.	0.6	52
70	Trans-acting nuclear protein responsible for induction of rearranged human immunoglobulin heavy chain gene. Cell, 1986, 45, 25-33.	13.5	51
71	A pre-B- and B cell-specific DNA-binding protein, EBB-1, which binds to the promoter of the VpreB1 gene. European Journal of Immunology, 1992, 22, 37-43.	1.6	51
72	Expression and Characterization of Murine Osteoblast-Specific Factor 2 (OSF-2) in a Baculovirus Expression System. Protein Expression and Purification, 1995, 6, 305-311.	0.6	51

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73	Functional Association of CD9 with the FcÎ³ Receptors in Macrophages. Journal of Immunology, 2001, 166, 3256-3265.	0.4	51
74	Periostin accelerates human malignant melanoma progression by modifying the melanoma microenvironment. Pigment Cell and Melanoma Research, 2014, 27, 630-639.	1.5	50
75	Multinucleate osteoclasts in medaka as evidence of active bone remodeling. Bone, 2007, 40, 399-408.	1.4	49
76	Expression and Function of the Splice Variant of the Human Cadherin-11 Gene in Subordination to Intact Cadherin-11. Journal of Bone and Mineral Research, 1999, 14, 764-775.	3.1	48
77	Cloning and Characterization of OSF-3, a New Member of the MER5 Family, Expressed in Mouse Osteoblastic Cells. Journal of Biochemistry, 1994, 115, 641-643.	0.9	47
78	Capsaicin mimics mechanical load-induced intracellular signaling events. Channels, 2013, 7, 221-224.	1.5	46
79	Remodeling of Actin Cytoskeleton in Mouse Periosteal Cells under Mechanical Loading Induces Periosteal Cell Proliferation during Bone Formation. PLoS ONE, 2011, 6, e24847.	1.1	46
80	Self-Assembled RANK Induces Osteoclastogenesis Ligand-Independently. Journal of Bone and Mineral Research, 2005, 20, 2053-2060.	3.1	44
81	Acute transcriptional up-regulation specific to osteoblasts/osteoclasts in medaka fish immediately after exposure to microgravity. Scientific Reports, 2016, 6, 39545.	1.6	42
82	Wnt2 accelerates cardiac myocyte differentiation from ES-cell derived mesodermal cells via non-canonical pathway. Journal of Molecular and Cellular Cardiology, 2012, 52, 650-659.	0.9	41
83	Dual effects of the membrane-anchored MMP regulator RECK on chondrogenic differentiation of ATDC5 cells. Journal of Cell Science, 2007, 120, 849-857.	1.2	39
84	Reduced proliferative activity of primary POMGnT1-null myoblasts in vitro. Mechanisms of Development, 2009, 126, 107-116.	1.7	39
85	Inhibition of choroidal fibrovascular membrane formation by new class of RNA interference therapeutic agent targeting periostin. Gene Therapy, 2015, 22, 127-137.	2.3	39
86	Extrinsic Pathway of Blood Coagulation and Thrombin in the Cerebrospinal Fluid after Subarachnoid Hemorrhage. Neurosurgery, 1999, 44, 487-493.	0.6	38
87	Pre-B lymphocyte-specific transcriptional control of the mouse VpreB gene. European Journal of Immunology, 1992, 22, 31-36.	1.6	37
88	Cell-type-specific and regulated expression of a human gamma 1 heavy-chain immunoglobulin gene in transgenic mice.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 2152-2156.	3.3	36
89	Pax-5 is identical to EBB-1/KLP and binds to the VpreB and Î»5 promoters as well as the KI and KII sites upstream of the JÏ‡ genes. European Journal of Immunology, 1997, 27, 750-755.	1.6	36
90	The Pre-B Cell Receptor Signaling for Apoptosis Is Negatively Regulated by FcÎ³RIIB. Journal of Immunology, 2002, 168, 629-634.	0.4	34

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91	Pax-5 Is Essential for Îº Sterile Transcription during IgÎº Chain Gene Rearrangement. Journal of Immunology, 2004, 172, 4858-4865.	0.4	34
92	Histamine Contributes to Tissue Remodeling via Periostin Expression. Journal of Investigative Dermatology, 2014, 134, 2105-2113.	0.3	34
93	Production of Wnt4b by floor plate cells is essential for the segmental patterning of the vertebral column in medaka. Development (Cambridge), 2010, 137, 1807-1813.	1.2	33
94	Temporal and spatial patterns of cbfal expression during embryonic development in the teleost, Oryzias latipes. Development Genes and Evolution, 2000, 210, 570-574.	0.4	32
95	Analysis of Wnt8 for neural posteriorizing factor by identifying Frizzled 8c and Frizzled 9 as functional receptors for Wnt8. Mechanisms of Development, 2003, 120, 477-489.	1.7	32
96	Vascular anatomy of the developing medaka,Oryzias latipes: A complementary fish model for cardiovascular research on vertebrates. Developmental Dynamics, 2006, 235, 734-746.	0.8	31
97	Impaired capsule formation of tumors in periostin-null mice. Biochemical and Biophysical Research Communications, 2008, 367, 736-742.	1.0	31
98	Periostin promotes secretion of fibronectin from the endoplasmic reticulum. Biochemical and Biophysical Research Communications, 2016, 470, 888-893.	1.0	30
99	Function of Pax1 and Pax9 in the sclerotome of medaka fish. Genesis, 2008, 46, 185-192.	0.8	29
100	In-vivo imaging of the fracture healing in medaka revealed two types of osteoclasts before and after the callus formation by osteoblasts. Developmental Biology, 2014, 394, 292-304.	0.9	29
101	A diffusible signal derived from hematopoietic cells supports the survival and proliferation of regenerative cells during zebrafish fin fold regeneration. Developmental Biology, 2015, 399, 80-90.	0.9	29
102	The expression of the mouse VpreB/Î»5 locus in transformed cell lines and tumors of the B lineage differentiation pathway. International Immunology, 1992, 4, 831-840.	1.8	28
103	A mutation in the gene for Î´-aminolevulinic acid dehydratase (ALAD) causes hypochromic anemia in the medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 747-752.	1.7	28
104	Reactive gliosis of astrocytes and MÃ¼ller glial cells in retina of POMGnT1-deficient mice. Molecular and Cellular Neurosciences, 2011, 47, 119-130.	1.0	27
105	Identification of novel markers expressed during fin regeneration by microarray analysis in medaka fish. Developmental Dynamics, 2007, 236, 2685-2693.	0.8	24
106	Colored medaka and zebrafish: <scp>T</scp>ransgenics with ubiquitous and strong transgene expression driven by the medaka Î²â€actin promoter. Development Growth and Differentiation, 2012, 54, 818-828.	0.6	24
107	Histochemical examination of cathepsin K, MMP1 and MMP2 in compressed periodontal ligament during orthodontic tooth movement in periostin deficient mice. Journal of Molecular Histology, 2014, 45, 303-309.	1.0	24
108	Localization of the murine Î»5 gene on chromosome 16. Genomics, 1987, 1, 277-279.	1.3	23

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109	Expression of trkC in a Mouse Osteoblastic Cell Line and Its Response to Neurotrophin-3. Biochemical and Biophysical Research Communications, 1994, 203, 1268-1274.	1.0	23
110	Migration of mesenchymal cell fated to blastema is necessary for fish fin regeneration. Development Growth and Differentiation, 2008, 50, 71-83.	0.6	22
111	Epigenetic control of cardiomyocyte production in response to a stress during the medaka heart development. Developmental Biology, 2010, 340, 30-40.	0.9	21
112	Medaka unextended-fin mutants suggest a role for Hoxb8a in cell migration and osteoblast differentiation during appendage formation. Developmental Biology, 2006, 293, 426-438.	0.9	20
113	Stable knockdown of S100A4 suppresses cell migration and metastasis of osteosarcoma. Tumor Biology, 2011, 32, 611-622.	0.8	20
114	Involvement of Periostin in Regression of Hyaloidvascular System during Ocular Development. , 2012, 53, 6495.		20
115	Histological and Transcriptomic Analysis of Adult Japanese Medaka Sampled Onboard the International Space Station. PLoS ONE, 2015, 10, e0138799.	1.1	20
116	Osteoblast and osteoclast behaviors in the turnover of attachment bones during medaka tooth replacement. Developmental Biology, 2016, 409, 370-381.	0.9	20
117	Dissociation of Pax-5 from KI and KII Sites During Îº-Chain Gene Rearrangement Correlates with Its Association with the Underphosphorylated Form of Retinoblastoma. Journal of Immunology, 2001, 166, 6704-6710.	0.4	19
118	Characterization of mutations affecting embryonic hematopoiesis in the medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 739-746.	1.7	19
119	Bef medaka mutant reveals the essential role of c-myb in both primitive and definitive hematopoiesis. Developmental Biology, 2010, 345, 133-143.	0.9	19
120	Periostin is required for matricellular localization of CCN3 in periodontal ligament of mice. Journal of Cell Communication and Signaling, 2017, 11, 5-13.	1.8	19
121	Therapeutic Effect of Novel Single-Stranded RNAi Agent Targeting Periostin in Eyes with Retinal Neovascularization. Molecular Therapy - Nucleic Acids, 2017, 6, 279-289.	2.3	19
122	Identification and characterization of mouse bone marrow stromal cell lines immortalized by temperature-sensitive SV40 T antigen: supportive activity for osteoclast differentiation. Bone, 2001, 29, 236-241.	1.4	18
123	Mutation in the abcb7 gene causes abnormal iron and fatty acid metabolism in developing medaka fish. Development Growth and Differentiation, 2008, 50, 703-716.	0.6	18
124	Eda/Edar signaling guides fin ray formation with preceding osteoblast differentiation, as revealed by analyses of the medaka allâ€fin less mutant afl. Developmental Dynamics, 2014, 243, 765-777.	0.8	18
125	Bone marrow stromal cell lines having high potential for osteoclast-supporting activity express PPARÎ³1 and show high potential for differentiation into adipocytes. Journal of Bone and Mineral Metabolism, 2008, 26, 13-23.	1.3	17
126	Periostin is a negative regulator of mineralization in the dental pulp tissue. Odontology / the Society of the Nippon Dental University, 2015, 103, 152-159.	0.9	17

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127	Periostin in Bone Biology. Advances in Experimental Medicine and Biology, 2019, 1132, 43-47.	0.8	17
128	Altered distribution of extracellular matrix proteins in the periodontal ligament of periostin-deficient mice. Histology and Histopathology, 2014, 29, 731-42.	0.5	17
129	Regulation of immunoglobulin gene transcription by labile represser factor(s). European Journal of Immunology, 1987, 17, 1249-1256.	1.6	16
130	TGFÎ²-2 signaling is essential for osteoblast migration and differentiation during fracture healing in medaka fish. Bone, 2016, 86, 68-78.	1.4	16
131	The sp7 gene is required for maturation of osteoblast-lineage cells in medaka (Oryzias latipes) vertebral column development. Developmental Biology, 2017, 431, 252-262.	0.9	16
132	Periostin is a negative prognostic factor and promotes cancer cell proliferation in non-small cell lung cancer. Oncotarget, 2018, 9, 31187-31199.	0.8	16
133	Î»5 is required for rearrangement of the Ig Îº light chain gene in pro-B cell lines. International Immunology, 1999, 11, 1195-1202.	1.8	15
134	Inducible differentiation and apoptosis of the pre-B cell receptor-positive pre-B cell line. International Immunology, 2000, 12, 325-334.	1.8	15
135	Periostin Is Required for the Maintenance of Muscle Fibers during Muscle Regeneration. International Journal of Molecular Sciences, 2021, 22, 3627.	1.8	15
136	Expression of marker genes during otolith development in medaka. Gene Expression Patterns, 2008, 8, 92-95.	0.3	14
137	The Structure of the Periostin Gene, Its Transcriptional Control and Alternative Splicing, and Protein Expression. Advances in Experimental Medicine and Biology, 2019, 1132, 7-20.	0.8	14
138	Immunohistochemical Localization of Periostin in Developing Long Bones of Mice. Biomedical Research, 2003, 24, 31-37.	0.3	13
139	Altered distribution of HMGB1 in the periodontal ligament of periostin-deficient mice subjected to Waldoâ€™s orthodontic tooth movement. Journal of Molecular Histology, 2015, 46, 303-311.	1.0	13
140	Efficient expansion of mouse primary tenocytes using a novel collagen gel culture method. Histochemistry and Cell Biology, 2014, 142, 205-215.	0.8	12
141	Periostin contributes to the maturation and shape retention of tissue-engineered cartilage. Scientific Reports, 2018, 8, 11210.	1.6	12
142	Expression, Purification and Characterization of Soluble Recombinant Periostin Protein Produced by Escherichia coli. Journal of Biochemistry, 2009, 146, 713-723.	0.9	11
143	Reiterative expression of pax1 directs pharyngeal pouch segmentation in medaka (Oryzias) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	11
144	Periostin deletion suppresses late-phase response in mouse experimental allergic conjunctivitis. Allergology International, 2019, 68, 233-239.	1.4	11

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145	Histological examination of bone regeneration achieved by combining grafting with hydroxyapatite and thermoplastic bioresorbable plates. Journal of Bone and Mineral Metabolism, 2007, 25, 361-373.	1.3	10
146	TRANCE together with IL-7 induces pre-B cells to proliferate. European Journal of Immunology, 2003, 33, 334-341.	1.6	9
147	Periostin Deficiency Causes Severe and Lethal Lung Injury in Mice With Bleomycin Administration. Journal of Histochemistry and Cytochemistry, 2016, 64, 441-453.	1.3	9
148	Production of the human immunoglobulin Î³1 chain constant region polypeptides in Escherichia coli. Journal of Biotechnology, 1988, 8, 141-148.	1.9	8
149	Long-term proliferating early pre-B-cell lines and clones with the potential to develop to surface immunoglobulin-positive, mitogen-reactive B-cells in vitro and in vivo. Biochemical Society Transactions, 1991, 19, 275-276.	1.6	7
150	The novel medaka transglutaminase gene is expressed in developing yolk veins. Gene Expression Patterns, 2004, 4, 263-266.	0.3	7
151	Histochemical examinations on cortical bone regeneration induced by thermoplastic bioresorbable plates applied to bone defects of rat calvariae. Biomedical Research, 2007, 28, 219-229.	0.3	7
152	Periostin in dental science. Japanese Dental Science Review, 2012, 48, 92-98.	2.0	7
153	Formation of acellular cementum-like layers, with and without extrinsic fiber insertion, along inert bone surfaces of aging c-Src gene knockout mice. European Journal of Oral Sciences, 2006, 114, 524-534.	0.7	6
154	Periostin attenuates tumor growth by inducing apoptosis in colitis-related colorectal cancer. Oncotarget, 2018, 9, 20008-20017.	0.8	6
155	Periostin is essential for cardiac healing after acute myocardial infarction. Journal of Cell Biology, 2008, 180, i7-i7.	2.3	4
156	Osteoclastogenesis-Related Antigen, a Novel Molecule on Mouse Stromal Cells, Regulates Osteoclastogenesis. Journal of Bone and Mineral Research, 2003, 18, 686-695.	3.1	3
157	Proliferation following tetraploidization regulates the size and number of erythrocytes in the blood flow during medaka development, as revealed by the abnormal karyotype of erythrocytes in the medaka TFDP1 mutant. Developmental Dynamics, 2015, 244, 651-668.	0.8	3
158	Immunolocalization of osteocyte-derived molecules during bone fracture healing of mouse ribs . Biomedical Research, 2016, 37, 141-151.	0.3	3
159	FAM20C directly binds to and phosphorylates Periostin. Scientific Reports, 2020, 10, 17155.	1.6	3
160	Naming, History, Future. Advances in Experimental Medicine and Biology, 2019, 1132, 3-4.	0.8	3
161	Selective IgG deficiency with a transcriptional disorder of the Î³ switching region gene and the IL-4 gene. International Immunology, 1990, 2, 661-668.	1.8	1
162	Expression of zisp, a DHHC zinc finger gene, in somites and lens during zebrafish embryogenesis. Mechanisms of Development, 2002, 119, S311-S314.	1.7	1

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163	Fish in Space Shedding Light on Gravitational Biology. , 2018, , 85-97.		1
164	Effect of an Anti-thrombin Substance on Cerebral Vasospasm in Canines : Under Continuous Intrathecal Administration by Osmotic Pump. Japanese Journal of Neurosurgery, 2001, 10, 104-109.	0.0	0
165	Medaka Bone Development. , 2011, , 81-93.		0
166	Fish as a Model for Research in Space. , 2019, , 1-15.		0
167	Fish as a Model for Research in Space. , 2022, , 701-715.		0