Akira Ishisaki

List of Publications by Year
in descending order

85	1,833	279487 23	329751 37
papers	citations	h-index	g-index

85	85	85	2690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential Inhibition of Smad6 and Smad7 on Bone Morphogenetic Protein- and Activin-mediated Growth Arrest and Apoptosis in B Cells. Journal of Biological Chemistry, 1999, 274, 13637-13642.	1.6	201
2	Human Umbilical Vein Endothelium-derived Cells Retain Potential to Differentiate into Smooth Muscle-like Cells. Journal of Biological Chemistry, 2003, 278, 1303-1309.	1.6	80
3	P2Y12 Receptors Play a Significant Role in the Development of Platelet Microaggregation in Patients with Diabetes. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 920-927.	1.8	66
4	Enhancement of gingival inflammation induced by synergism of IL-1^|^beta; and IL-6. Biomedical Research, 2013, 34, 31-40.	0.3	63
5	Bone marrow-derived mesenchymal stem cells propagate immunosuppressive/anti-inflammatory macrophages in cell-to-cell contact-independent and -dependent manners under hypoxic culture. Experimental Cell Research, 2017, 358, 411-420.	1.2	61
6	Attenuated phosphorylation of heat shock protein 27 correlates with tumor progression in patients with hepatocellular carcinoma. Biochemical and Biophysical Research Communications, 2005, 337, 337-342.	1.0	56
7	Novel SCRG1/BST1 axis regulates self-renewal, migration and osteogenic differentiation potential in mesenchymal stem cells. Scientific Reports, 2014, 4, 3652.	1.6	56
8	Simvastatin Enhances the Regeneration of Endothelial Cells via VEGF Secretion in Injured Arteries. Journal of Cardiovascular Pharmacology, 2004, 43, 333-340.	0.8	51
9	Plasminogen/Plasmin Modulates Bone Metabolism by Regulating the Osteoblast and Osteoclast Function. Journal of Biological Chemistry, 2011, 286, 8952-8960.	1.6	45
10	uPA Attenuated LPS-induced Inflammatory Osteoclastogenesis through the Plasmin/PAR-1/Ca²⁺/CaMKK/AMPK Axis. International Journal of Biological Sciences, 2016, 12, 63-71.	2.6	41
11	VEGF-C and TGF-Î²1 reciprocally regulate mesenchymal stem cell commitment to differentiation into lymphatic endothelial or osteoblastic phenotypes. International Journal of Molecular Medicine, 2016, 37, 1005-1013.	1.8	39
12	Transforming growth factor-Î²1 induces epithelialâ€“mesenchymal transition and integrin Î±3Î²1-mediated cell migration of HSC-4 human squamous cell carcinoma cells through Slug. Journal of Biochemistry, 2013, 153, 303-315.	0.9	38
13	PDGF-induced PI3K-mediated signaling enhances the TGF-Î²-induced osteogenic differentiation of human mesenchymal stem cells in a TGF-Î²-activated MEK-dependent manner. International Journal of Molecular Medicine, 2014, 33, 534-542.	1.8	35
14	Interleukin (IL)-17 enhances tumor necrosis factor-?-stimulated IL-6 synthesis via p38 mitogen-activated protein kinase in osteoblasts. Journal of Cellular Biochemistry, 2004, 91, 1053-1061.	1.2	33
15	EGF Positively Regulates the Proliferation and Migration, and Negatively Regulates the Myofibroblast Differentiation of Periodontal Ligament-Derived Endothelial Progenitor Cells through MEK/ERK- and JNK-Dependent Signals. Cellular Physiology and Biochemistry, 2013, 32, 899-914.	1.1	32
16	Glutathione S-transferase Pi is a dopamine-inducible suppressor of dopamine-induced apoptosis in PC12 cells. Journal of Neurochemistry, 2001, 77, 1362-1371.	2.1	28
17	Distinct immunopathology in the early stages between different antiresorptives-related osteonecrosis of the jaw-like lesions in mice. Bone, 2020, 135, 115308.	1.4	28
18	Feeding suppression by fibroblast growth factor-1 is accompanied by selective induction of heat shock protein 27 in hypothalamic astrocytes. European Journal of Neuroscience, 2001, 13, 2299-2308.	1.2	27

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19	PPAR-Î³ ligands up-regulate basic fibroblast growth factor-induced VEGF release through amplifying SAPK/JNK activation in osteoblasts. Biochemical and Biophysical Research Communications, 2005, 328, 137-143.	1.0	27
20	Effects of apatite particle size in two apatite/collagen composites on the osteogenic differentiation profile of osteoblastic cells. International Journal of Molecular Medicine, 2013, 32, 1255-1261.	1.8	27
21	Dissociation of Bone Morphogenetic Protein-Mediated Growth Arrest and Apoptosis of Mouse B Cells by HPV-16 E6/E7. Experimental Cell Research, 2000, 257, 198-205.	1.2	25
22	Establishment of cell lines that exhibit pluripotency from miniature swine periodontal ligaments. Archives of Oral Biology, 2007, 52, 1002-1008.	0.8	25
23	Bovine milk lactoferrin induces synthesis of the angiogenic factors VEGF and FGF2 in osteoblasts via the p44/p42 MAP kinase pathway. BioMetals, 2011, 24, 847-856.	1.8	25
24	Involvement of p44/p42 MAP kinase in insulin-like growth factor-I-induced alkaline phosphatase activity in osteoblast-like-MC3T3-E1 cells. Molecular and Cellular Endocrinology, 2006, 251, 42-48.	1.6	24
25	Establishment of immortalized human periodontal ligament cells derived from deciduous teeth. International Journal of Molecular Medicine, 2010, 26, 701-5.	1.8	24
26	Two novel mechanisms for maintenance of stemness in mesenchymal stem cells: SCRG1/BST1 axis and cellâ€“cell adhesion through N-cadherin. Japanese Dental Science Review, 2018, 54, 37-44.	2.0	24
27	Transforming growth factor-Î²1 induces invasion ability of HSC-4 human oral squamous cell carcinoma cells through the Slug/Wnt-5b/MMP-10 signalling axis. Journal of Biochemistry, 2016, 159, 631-640.	0.9	23
28	Î±B-crystallin is phosphorylated during myocardial infarction: Involvement of platelet-derived growth factor-BB. Archives of Biochemistry and Biophysics, 2005, 438, 111-118.	1.4	22
29	High-cell density-induced VCAM1 expression inhibits the migratory ability of mesenchymal stem cells. Cell Biology International, 2011, 35, 475-481.	1.4	22
30	Fibroblast growth factor-1-induced ERK1/2 signaling reciprocally regulates proliferation and smooth muscle cell differentiation of ligament-derived endothelial progenitor cell-like cells. International Journal of Molecular Medicine, 2011, 29, 357-64.	1.8	22
31	Activation of the p21CIP1/WAF1 promoter by bone morphogenetic protein-2 in mouse B lineage cells. Oncogene, 2001, 20, 4383-4392.	2.6	21
32	Adenylyl cyclase-cAMP system inhibits thyroid hormone-stimulated osteocalcin synthesis in osteoblasts. Molecular and Cellular Endocrinology, 2005, 229, 75-82.	1.6	21
33	Methotrexate enhances prostaglandin -stimulated heat shock protein 27 induction in osteoblasts. Prostaglandins Leukotrienes and Essential Fatty Acids, 2004, 71, 351-362.	1.0	20
34	Vascular Cell-Like Potential of Undifferentiated Ligament Fibroblasts to Construct Vascular Cell-Specific Marker-Positive Blood Vessel Structures in a PI3K Activation-Dependent Manner. Journal of Vascular Research, 2010, 47, 369-383.	0.6	20
35	The homeobox gene DLX4 promotes generation of human induced pluripotent stem cells. Scientific Reports, 2014, 4, 7283.	1.6	20
36	Expressions of inhibitory Smads, Smad6 and Smad7, are differentially regulated by TPA in human lung fibroblast cells. Biochemical and Biophysical Research Communications, 2004, 316, 712-719.	1.0	19

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37	TGF-Î²-Operated Growth Inhibition and Translineage Commitment into Smooth Muscle Cells of Periodontal Ligament-Derived Endothelial Progenitor Cells through Smad- and p38 MAPK-Dependent Signals. International Journal of Biological Sciences, 2012, 8, 1062-1074.	2.6	19
38	Dynamic polarization shifting from M1 to M2 macrophages in reduced osteonecrosis of the jaw-like lesions by cessation of anti-RANKL antibody in mice. Bone, 2020, 141, 115560.	1.4	19
39	Lack of Î±2-antiplasmin promotes re-endothelialization via over-release of VEGF after vascular injury in mice. Blood, 2003, 102, 3621-3628.	0.6	18
40	Zoledronic acid suppresses transforming growth factor-Î²-induced fibrogenesis by human gingival fibroblasts. International Journal of Molecular Medicine, 2016, 38, 139-147.	1.8	17
41	Recruitment of mesenchymal stem cells by stromal cell-derived factor 1Î± in pulp cells from deciduous teeth. International Journal of Molecular Medicine, 2015, 36, 442-448.	1.8	16
42	ILâ€'1Î² and TNFâ€'Î± suppress TGFâ€'Î²â€'promoted NGF expression in periodontal ligamentâ€'derived fibroblasts through inactivation of TGFâ€'Î²â€'induced Smad2/3â€' and p38 MAPKâ€'mediated signals. International Journal of Molecular Medicine, 2018, 42, 1484-1494.	1.8	16
43	Cell-cell adhesion through N-cadherin enhances VCAM-1 expression via PDGFRÎ² in a ligand-independent manner in mesenchymal stem cells. International Journal of Molecular Medicine, 2014, 33, 565-572.	1.8	15
44	The blocking of uPAR suppresses lipopolysaccharide-induced inflammatory osteoclastogenesis and the resultant bone loss through attenuation of integrin Î²3/Akt pathway. Immunity, Inflammation and Disease, 2016, 4, 338-349.	1.3	15
45	Transforming growth factor-Î²1 suppresses bone morphogenetic protein-2-induced mesenchymal-epithelial transition in HSC-4 human oral squamous cell carcinoma cells via Smad1/5/9 pathway suppression. Oncology Reports, 2017, 37, 713-720.	1.2	15
46	SCRG1 suppresses LPS-induced CCL22 production through ERK1/2 activation in mouse macrophage Raw264.7 cells. Molecular Medicine Reports, 2017, 15, 4069-4076.	1.1	15
47	Cellâ€"cell interactions between monocytes/macrophages and synoviocyte-like cells promote inflammatory cell infiltration mediated by augmentation of MCP-1 production in temporomandibular joint. Bioscience Reports, 2018, 38, .	1.1	15
48	Smad mediates BMP-2-induced upregulation of FGF-evoked PC12 cell differentiation. FEBS Letters, 2003, 536, 30-34.	1.3	13
49	uPAâ€derived peptide, Ã…6 is involved in the suppression of lipopolysaccarideâ€promoted inflammatory osteoclastogenesis and the resultant bone loss. Immunity, Inflammation and Disease, 2017, 5, 289-299.	1.3	13
50	Vasopressin phosphorylates HSP27 in aortic smooth muscle cells. Journal of Cellular Biochemistry, 2004, 92, 1203-1211.	1.2	12
51	Akt regulates thrombin-induced HSP27 phosphorylation in aortic smooth muscle cells: Function at a point downstream from p38 MAP kinase. Life Sciences, 2005, 77, 96-107.	2.0	12
52	ROCK/actin/MRTF signaling promotes the fibrogenic phenotype of fibroblast-like synoviocytes derived from the temporomandibular joint. International Journal of Molecular Medicine, 2017, 39, 799-808.	1.8	12
53	TGFâ€'Î²1 induces Nâ€'cadherin expression by upregulating Sox9 expression and promoting its nuclear translocation in human oral squamous cell carcinoma cells. Oncology Letters, 2020, 20, 474-482.	0.8	12
54	Platelet-derived growth factor-BB phosphorylates heat shock protein 27 in cardiac myocytes. Journal of Cellular Biochemistry, 2004, 91, 316-324.	1.2	11

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55	Water-soluble factors eluated from surface pre-reacted glass-ionomer filler promote osteoblastic differentiation of human mesenchymal stem cells. Molecular Medicine Reports, 2018, 17, 3448-3454.	1.1	11
56	Novel Ideas of Gene Therapy for Atherosclerosis: Modulation of Cellular Signal Transduction of TGF-β Family. Current Pharmaceutical Design, 2006, 12, 877-886.	0.9	10
57	Effect of fibroblast growth factor-2 on periodontal ligament cells derived from human deciduous teeth in vitro. Experimental and Therapeutic Medicine, 2010, 1, 337-341.	0.8	10
58	Possible involvement of phosphatidylinositol 3-kinase/Akt signal pathway in vasopressin-induced HSP27 phosphorylation in aortic smooth muscle A10 cells. Archives of Biochemistry and Biophysics, 2005, 438, 137-145.	1.4	9
59	Enhancement of Anti-Inflammatory and Osteogenic Abilities of Mesenchymal Stem Cells via Cell-to-Cell Adhesion to Periodontal Ligament-Derived Fibroblasts. Stem Cells International, 2017, 2017, 1-12.	1.2	9
60	Possible involvement of protein kinase C activation in differentiation of human umbilical vein endothelium-derived cell into smooth muscle-like cell. Biology of the Cell, 2004, 96, 499-499.	0.7	8
61	Possible involvement of p44/p42 MAP kinase in retinoic acid-stimulated vascular endothelial growth factor release in aortic smooth muscle cells. Atherosclerosis, 2004, 175, 245-251.	0.4	8
62	Effect of a Synthetic Matrix Metalloproteinase Inhibitor (ONO-4817) on Neointima Formation in Hypercholesterolemic Hamsters. Journal of Cardiovascular Pharmacology, 2004, 44, 57-65.	0.8	8
63	Fibroblast growth factor 2 inhibits the expression of stromal cell-derived factor 1Î± in periodontal ligament cells derived from human permanent teeth in vitro. International Journal of Molecular Medicine, 2012, 29, 569-573.	1.8	8
64	Differential effects of TGF-Î²1 and FGF-2 on SDF-1Î± expression in human periodontal ligament cells derived from deciduous teeth in vitro. International Journal of Molecular Medicine, 2012, 30, 35-40.	1.8	8
65	Expression of Wilmsâ€™ tumor 1 (WT1) in ameloblastomas. Journal of Oral Science, 2016, 58, 407-413.	0.7	8
66	Establishment of mesenchymal stem cell lines derived from the bone marrow of green fluorescent protein-transgenic mice exhibiting a diversity in intracellular transforming growth factor-Î² and bone morphogenetic protein signaling. Molecular Medicine Reports, 2016, 13, 2023-2031.	1.1	8
67	Î±2-antiplasmin modulates bone formation by negatively regulating osteoblast differentiation and function. International Journal of Molecular Medicine, 2017, 40, 854-858.	1.8	8
68	Zoledronic Acid Deteriorates Soft and Hard Tissue Healing of Murine Tooth Extraction Sockets in a Dose-Dependent Manner. Calcified Tissue International, 2022, 110, 104-116.	1.5	8
69	Tiludronate inhibits prostaglandin F2Î±-induced vascular endothelial growth factor synthesis in osteoblasts. Molecular and Cellular Endocrinology, 2005, 236, 59-66.	1.6	7
70	Differential roles of MAP kinases in atorvastatin-induced VEGF release in cardiac myocytes. Life Sciences, 2006, 79, 1214-1220.	2.0	6
71	Effect of fibroblast growth factor-2 on dental pulp cells derived from human deciduous teeth in vitro. Experimental and Therapeutic Medicine, 2010, 1, 477-480.	0.8	6
72	Synergistic Effect of Dexamethasone and Prolactin on VEGF Expression in Bovine Mammary Epithelial Cells via p44/p42 MAP Kinase. Asian-Australasian Journal of Animal Sciences, 2009, 22, 788-795.	2.4	6

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73	Adenylyl cyclase-cAMP system inhibits thrombin-induced HSP27 in vascular smooth muscle cells. Journal of Cellular Biochemistry, 2005, 94, 573-584.	1.2	5
74	Establishment of immortalized mesenchymal stem cells derived from the submandibular glands of tdTomato transgenic mice. Experimental and Therapeutic Medicine, 2015, 10, 1380-1386.	0.8	5
75	Expression of Wilmsâ€™ tumor 1 (WT1) in oral squamous cell carcinoma. Journal of Oral Pathology and Medicine, 2013, 42, 133-139.	1.4	4
76	Novel biological activity of ameloblastin in enamel matrix derivative. Journal of Applied Oral Science, 2015, 23, 49-55.	0.7	4
77	Lack of Plasminogen Activator Inhibitor-1 Enhances the Preventive Effect of DX-9065a, a Selective Factor Xa Inhibitor, on Venous Thrombus and Acute Pulmonary Embolism in Mice. Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research, 2003, 33, 206-213.	0.5	3
78	Secreted caveolin-1 enhances periodontal inflammation by targeting gingival fibroblasts. Biomedical Research, 2013, 34, 1-11.	0.3	3
79	Dental pulp cells derived from permanent teeth express higher levels of R-cadherin than do deciduous teeth: Implications of the correlation between R-cadherin expression and restriction of multipotency in mesenchymal stem cells. Archives of Oral Biology, 2012, 57, 44-51.	0.8	2
80	Receptor tyrosine kinase ligands and inflammatory cytokines cooperatively suppress the fibrogenic activity in temporomandibularâ€‘jointâ€‘derived fibroblastâ€‘like synoviocytes via mitogenâ€‘activated protein kinase kinase/extracellular signalâ€‘regulated kinase. Experimental and Therapeutic Medicine, 2020, 20, 1967-1974.	0.8	2
81	A permeable FGF-1 nuclear localization sequence peptide induces DNA synthesis independently of Ras activation. Experimental Cell Research, 2003, 283, 91-100.	1.2	1
82	Establishment of Clonal Periodontal Ligament Cell Line Derived from Deciduous Tooth Immortalized by Human Telomerase Reverse Transcriptase (hTERT) Gene Transfer. , 2012, , 114-116.		1
83	Property of alkaline phosphatase of a human oral squamous cell carcinoma cell line.. Japanese Journal of Oral Biology, 1993, 35, 38-50.	0.1	1
84	Vascular remodeling ã«ãŠã‹ã‚‹Î±2-antiplasminãªæ–°ãŸãªå½¹å‰². Japanese Journal of Thrombosis and Hemostasis, 2004, 15, 517-521.		0
85	Angiogenesis and fibrinolytic system on osteogenesis. Japanese Journal of Thrombosis and Hemostasis, 2009, 20, 12-17.	0.1	0