

Akira Ishisaki

List of Publications by Year in descending order

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85
papers

1,833
citations

279487

23
h-index

329751

37
g-index

85
all docs

85
docs citations

85
times ranked

2690
citing authors

#	ARTICLE	IF	CITATIONS
1	Zoledronic Acid Deteriorates Soft and Hard Tissue Healing of Murine Tooth Extraction Sockets in a Dose-Dependent Manner. <i>Calcified Tissue International</i> , 2022, 110, 104-116.	1.5	8
2	Dynamic polarization shifting from M1 to M2 macrophages in reduced osteonecrosis of the jaw-like lesions by cessation of anti-RANKL antibody in mice. <i>Bone</i> , 2020, 141, 115560.	1.4	19
3	Distinct immunopathology in the early stages between different antiresorptives-related osteonecrosis of the jaw-like lesions in mice. <i>Bone</i> , 2020, 135, 115308.	1.4	28
4	TGF β 1 induces N-cadherin expression by upregulating Sox9 expression and promoting its nuclear translocation in human oral squamous cell carcinoma cells. <i>Oncology Letters</i> , 2020, 20, 474-482.	0.8	12
5	Receptor tyrosine kinase ligands and inflammatory cytokines cooperatively suppress the fibrogenic activity in temporomandibular joint-derived fibroblast-like synoviocytes via mitogen-activated protein kinase kinase/extracellular signal-regulated kinase. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1967-1974.	0.8	2
6	Water-soluble factors eluted from surface pre-reacted glass-ionomer filler promote osteoblastic differentiation of human mesenchymal stem cells. <i>Molecular Medicine Reports</i> , 2018, 17, 3448-3454.	1.1	11
7	Cell-cell interactions between monocytes/macrophages and synoviocyte-like cells promote inflammatory cell infiltration mediated by augmentation of MCP-1 production in temporomandibular joint. <i>Bioscience Reports</i> , 2018, 38, .	1.1	15
8	Two novel mechanisms for maintenance of stemness in mesenchymal stem cells: SCRG1/BST1 axis and cell-cell adhesion through N-cadherin. <i>Japanese Dental Science Review</i> , 2018, 54, 37-44.	2.0	24
9	IL1 and TNF α suppress TGF β -promoted NGF expression in periodontal ligament-derived fibroblasts through inactivation of TGF β -induced Smad2/3 and p38 MAPK-mediated signals. <i>International Journal of Molecular Medicine</i> , 2018, 42, 1484-1494.		16
10	Transforming growth factor- β 1 suppresses bone morphogenetic protein-2-induced mesenchymal-epithelial transition in HSC-4 human oral squamous cell carcinoma cells via Smad1/5/9 pathway suppression. <i>Oncology Reports</i> , 2017, 37, 713-720.	1.2	15
11	SCRG1 suppresses LPS-induced CCL22 production through ERK1/2 activation in mouse macrophage Raw264.7 cells. <i>Molecular Medicine Reports</i> , 2017, 15, 4069-4076.	1.1	15
12	uPA-derived peptide, \tilde{A} ...6 is involved in the suppression of lipopolysaccharide-promoted inflammatory osteoclastogenesis and the resultant bone loss. <i>Immunity, Inflammation and Disease</i> , 2017, 5, 289-299.	1.3	13
13	ROCK/actin/MRTF signaling promotes the fibrogenic phenotype of fibroblast-like synoviocytes derived from the temporomandibular joint. <i>International Journal of Molecular Medicine</i> , 2017, 39, 799-808.	1.8	12
14	Bone marrow-derived mesenchymal stem cells propagate immunosuppressive/anti-inflammatory macrophages in cell-to-cell contact-independent and -dependent manners under hypoxic culture. <i>Experimental Cell Research</i> , 2017, 358, 411-420.	1.2	61
15	Enhancement of Anti-Inflammatory and Osteogenic Abilities of Mesenchymal Stem Cells via Cell-to-Cell Adhesion to Periodontal Ligament-Derived Fibroblasts. <i>Stem Cells International</i> , 2017, 2017, 1-12.	1.2	9
16	β 2-antiplasmin modulates bone formation by negatively regulating osteoblast differentiation and function. <i>International Journal of Molecular Medicine</i> , 2017, 40, 854-858.	1.8	8
17	uPA Attenuated LPS-induced Inflammatory Osteoclastogenesis through the Plasmin/PAR-1/Ca ²⁺ /CaMKK/AMPK Axis. <i>International Journal of Biological Sciences</i> , 2016, 12, 63-71.	2.6	41
18	Expression of Wilms tumor 1 (WT1) in ameloblastomas. <i>Journal of Oral Science</i> , 2016, 58, 407-413.	0.7	8

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19	Transforming growth factor- β 1 induces invasion ability of HSC-4 human oral squamous cell carcinoma cells through the Slug/Wnt-5b/MMP-10 signalling axis. <i>Journal of Biochemistry</i> , 2016, 159, 631-640.	0.9	23
20	The blocking of uPAR suppresses lipopolysaccharide-induced inflammatory osteoclastogenesis and the resultant bone loss through attenuation of integrin β 3/Akt pathway. <i>Immunity, Inflammation and Disease</i> , 2016, 4, 338-349.	1.3	15
21	Zoledronic acid suppresses transforming growth factor- β 2-induced fibrogenesis by human gingival fibroblasts. <i>International Journal of Molecular Medicine</i> , 2016, 38, 139-147.	1.8	17
22	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- β 2 and bone morphogenetic protein signaling. <i>Molecular Medicine Reports</i> , 2016, 13, 2023-2031.	1.1	8
23	VEGF-C and TGF- β 2 reciprocally regulate mesenchymal stem cell commitment to differentiation into lymphatic endothelial or osteoblastic phenotypes. <i>International Journal of Molecular Medicine</i> , 2016, 37, 1005-1013.	1.8	39
24	Novel biological activity of ameloblastin in enamel matrix derivative. <i>Journal of Applied Oral Science</i> , 2015, 23, 49-55.	0.7	4
25	Establishment of immortalized mesenchymal stem cells derived from the submandibular glands of tdTomato transgenic mice. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 1380-1386.	0.8	5
26	Recruitment of mesenchymal stem cells by stromal cell-derived factor 1 α in pulp cells from deciduous teeth. <i>International Journal of Molecular Medicine</i> , 2015, 36, 442-448.	1.8	16
27	Cell-cell adhesion through N-cadherin enhances VCAM-1 expression via PDGFR β 2 in a ligand-independent manner in mesenchymal stem cells. <i>International Journal of Molecular Medicine</i> , 2014, 33, 565-572.	1.8	15
28	PDGF-induced PI3K-mediated signaling enhances the TGF- β 2-induced osteogenic differentiation of human mesenchymal stem cells in a TGF- β 2-activated MEK-dependent manner. <i>International Journal of Molecular Medicine</i> , 2014, 33, 534-542.	1.8	35
29	The homeobox gene DLX4 promotes generation of human induced pluripotent stem cells. <i>Scientific Reports</i> , 2014, 4, 7283.	1.6	20
30	Novel SCRG1/BST1 axis regulates self-renewal, migration and osteogenic differentiation potential in mesenchymal stem cells. <i>Scientific Reports</i> , 2014, 4, 3652.	1.6	56
31	Expression of Wilms's tumor 1 (WT1) in oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2013, 42, 133-139.	1.4	4
32	Transforming growth factor- β 1 induces epithelial-mesenchymal transition and integrin β 3-mediated cell migration of HSC-4 human squamous cell carcinoma cells through Slug. <i>Journal of Biochemistry</i> , 2013, 153, 303-315.	0.9	38
33	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. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 899-914.	1.1	32
34	Secreted caveolin-1 enhances periodontal inflammation by targeting gingival fibroblasts. <i>Biomedical Research</i> , 2013, 34, 1-11.	0.3	3
35	Effects of apatite particle size in two apatite/collagen composites on the osteogenic differentiation profile of osteoblastic cells. <i>International Journal of Molecular Medicine</i> , 2013, 32, 1255-1261.	1.8	27
36	Enhancement of gingival inflammation induced by synergism of IL-1 β ; and IL-6. <i>Biomedical Research</i> , 2013, 34, 31-40.	0.3	63

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37	Fibroblast growth factor 2 inhibits the expression of stromal cell-derived factor 1 α in periodontal ligament cells derived from human permanent teeth in vitro. <i>International Journal of Molecular Medicine</i> , 2012, 29, 569-573.	1.8	8
38	Differential effects of TGF β 1 and FGF-2 on SDF-1 α expression in human periodontal ligament cells derived from deciduous teeth in vitro. <i>International Journal of Molecular Medicine</i> , 2012, 30, 35-40.	1.8	8
39	TGF β 2-Operated Growth Inhibition and Translineage Commitment into Smooth Muscle Cells of Periodontal Ligament-Derived Endothelial Progenitor Cells through Smad- and p38 MAPK-Dependent Signals. <i>International Journal of Biological Sciences</i> , 2012, 8, 1062-1074.	2.6	19
40	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. <i>Archives of Oral Biology</i> , 2012, 57, 44-51.	0.8	2
41	Establishment of Clonal Periodontal Ligament Cell Line Derived from Deciduous Tooth Immortalized by Human Telomerase Reverse Transcriptase (hTERT) Gene Transfer. , 2012, , 114-116.		1
42	High-cell density-induced VCAM1 expression inhibits the migratory ability of mesenchymal stem cells. <i>Cell Biology International</i> , 2011, 35, 475-481.	1.4	22
43	Bovine milk lactoferrin induces synthesis of the angiogenic factors VEGF and FGF2 in osteoblasts via the p44/p42 MAP kinase pathway. <i>BioMetals</i> , 2011, 24, 847-856.	1.8	25
44	Fibroblast growth factor-1-induced ERK1/2 signaling reciprocally regulates proliferation and smooth muscle cell differentiation of ligament-derived endothelial progenitor cell-like cells. <i>International Journal of Molecular Medicine</i> , 2011, 29, 357-64.	1.8	22
45	Plasminogen/Plasmin Modulates Bone Metabolism by Regulating the Osteoblast and Osteoclast Function. <i>Journal of Biological Chemistry</i> , 2011, 286, 8952-8960.	1.6	45
46	Effect of fibroblast growth factor-2 on dental pulp cells derived from human deciduous teeth in vitro. <i>Experimental and Therapeutic Medicine</i> , 2010, 1, 477-480.	0.8	6
47	Establishment of immortalized human periodontal ligament cells derived from deciduous teeth. <i>International Journal of Molecular Medicine</i> , 2010, 26, 701-5.	1.8	24
48	Vascular Cell-Like Potential of Undifferentiated Ligament Fibroblasts to Construct Vascular Cell-Specific Marker-Positive Blood Vessel Structures in a PI3K Activation-Dependent Manner. <i>Journal of Vascular Research</i> , 2010, 47, 369-383.	0.6	20
49	Effect of fibroblast growth factor-2 on periodontal ligament cells derived from human deciduous teeth in vitro. <i>Experimental and Therapeutic Medicine</i> , 2010, 1, 337-341.	0.8	10
50	Synergistic Effect of Dexamethasone and Prolactin on VEGF Expression in Bovine Mammary Epithelial Cells via p44/p42 MAP Kinase. <i>Asian-Australasian Journal of Animal Sciences</i> , 2009, 22, 788-795.	2.4	6
51	Angiogenesis and fibrinolytic system on osteogenesis. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2009, 20, 12-17.	0.1	0
52	Establishment of cell lines that exhibit pluripotency from miniature swine periodontal ligaments. <i>Archives of Oral Biology</i> , 2007, 52, 1002-1008.	0.8	25
53	Differential roles of MAP kinases in atorvastatin-induced VEGF release in cardiac myocytes. <i>Life Sciences</i> , 2006, 79, 1214-1220.	2.0	6
54	Involvement of p44/p42 MAP kinase in insulin-like growth factor-I-induced alkaline phosphatase activity in osteoblast-like-MC3T3-E1 cells. <i>Molecular and Cellular Endocrinology</i> , 2006, 251, 42-48.	1.6	24

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55	Novel Ideas of Gene Therapy for Atherosclerosis: Modulation of Cellular Signal Transduction of TGF- β ; Family. <i>Current Pharmaceutical Design</i> , 2006, 12, 877-886.	0.9	10
56	Adenylyl cyclase-cAMP system inhibits thrombin-induced HSP27 in vascular smooth muscle cells. <i>Journal of Cellular Biochemistry</i> , 2005, 94, 573-584.	1.2	5
57	P2Y ₁₂ Receptors Play a Significant Role in the Development of Platelet Microaggregation in Patients with Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 920-927.	1.8	66
58	Akt regulates thrombin-induced HSP27 phosphorylation in aortic smooth muscle cells: Function at a point downstream from p38 MAP kinase. <i>Life Sciences</i> , 2005, 77, 96-107.	2.0	12
59	Adenylyl cyclase-cAMP system inhibits thyroid hormone-stimulated osteocalcin synthesis in osteoblasts. <i>Molecular and Cellular Endocrinology</i> , 2005, 229, 75-82.	1.6	21
60	Tiludronate inhibits prostaglandin F ₂ α -induced vascular endothelial growth factor synthesis in osteoblasts. <i>Molecular and Cellular Endocrinology</i> , 2005, 236, 59-66.	1.6	7
61	PPAR- γ ligands up-regulate basic fibroblast growth factor-induced VEGF release through amplifying SAPK/JNK activation in osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2005, 328, 137-143.	1.0	27
62	Attenuated phosphorylation of heat shock protein 27 correlates with tumor progression in patients with hepatocellular carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 337-342.	1.0	56
63	Possible involvement of phosphatidylinositol 3-kinase/Akt signal pathway in vasopressin-induced HSP27 phosphorylation in aortic smooth muscle A10 cells. <i>Archives of Biochemistry and Biophysics</i> , 2005, 438, 137-145.	1.4	9
64	β -crystallin is phosphorylated during myocardial infarction: Involvement of platelet-derived growth factor-BB. <i>Archives of Biochemistry and Biophysics</i> , 2005, 438, 111-118.	1.4	22
65	Possible involvement of protein kinase C activation in differentiation of human umbilical vein endothelium-derived cell into smooth muscle-like cell. <i>Biology of the Cell</i> , 2004, 96, 499-499.	0.7	8
66	Platelet-derived growth factor-BB phosphorylates heat shock protein 27 in cardiac myocytes. <i>Journal of Cellular Biochemistry</i> , 2004, 91, 316-324.	1.2	11
67	Interleukin (IL)-17 enhances tumor necrosis factor- α -stimulated IL-6 synthesis via p38 mitogen-activated protein kinase in osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2004, 91, 1053-1061.	1.2	33
68	Vasopressin phosphorylates HSP27 in aortic smooth muscle cells. <i>Journal of Cellular Biochemistry</i> , 2004, 92, 1203-1211.	1.2	12
69	Expressions of inhibitory Smads, Smad6 and Smad7, are differentially regulated by TPA in human lung fibroblast cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 712-719.	1.0	19
70	Methotrexate enhances prostaglandin α -stimulated heat shock protein 27 induction in osteoblasts. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2004, 71, 351-362.	1.0	20
71	Possible involvement of p44/p42 MAP kinase in retinoic acid-stimulated vascular endothelial growth factor release in aortic smooth muscle cells. <i>Atherosclerosis</i> , 2004, 175, 245-251.	0.4	8
72	Simvastatin Enhances the Regeneration of Endothelial Cells via VEGF Secretion in Injured Arteries. <i>Journal of Cardiovascular Pharmacology</i> , 2004, 43, 333-340.	0.8	51

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73	Effect of a Synthetic Matrix Metalloproteinase Inhibitor (ONO-4817) on Neointima Formation in Hypercholesterolemic Hamsters. <i>Journal of Cardiovascular Pharmacology</i> , 2004, 44, 57-65.	0.8	8
74	Vascular remodeling and α 2-antiplasmin activity in mice. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2004, 150, 517-521.		
75	Smad mediates BMP-2-induced upregulation of FGF-evoked PC12 cell differentiation. <i>FEBS Letters</i> , 2003, 536, 30-34.	1.3	13
76	A permeable FGF-1 nuclear localization sequence peptide induces DNA synthesis independently of Ras activation. <i>Experimental Cell Research</i> , 2003, 283, 91-100.	1.2	1
77	Human Umbilical Vein Endothelium-derived Cells Retain Potential to Differentiate into Smooth Muscle-like Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 1303-1309.	1.6	80
78	Lack of α 2-antiplasmin promotes re-endothelialization via over-release of VEGF after vascular injury in mice. <i>Blood</i> , 2003, 102, 3621-3628.	0.6	18
79	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. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 2003, 33, 206-213.	0.5	3
80	Glutathione S-transferase Pi is a dopamine-inducible suppressor of dopamine-induced apoptosis in PC12 cells. <i>Journal of Neurochemistry</i> , 2001, 77, 1362-1371.	2.1	28
81	Feeding suppression by fibroblast growth factor-1 is accompanied by selective induction of heat shock protein 27 in hypothalamic astrocytes. <i>European Journal of Neuroscience</i> , 2001, 13, 2299-2308.	1.2	27
82	Activation of the p21CIP1/WAF1 promoter by bone morphogenetic protein-2 in mouse B lineage cells. <i>Oncogene</i> , 2001, 20, 4383-4392.	2.6	21
83	Dissociation of Bone Morphogenetic Protein-Mediated Growth Arrest and Apoptosis of Mouse B Cells by HPV-16 E6/E7. <i>Experimental Cell Research</i> , 2000, 257, 198-205.	1.2	25
84	Differential Inhibition of Smad6 and Smad7 on Bone Morphogenetic Protein- and Activin-mediated Growth Arrest and Apoptosis in B Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 13637-13642.	1.6	201
85	Property of alkaline phosphatase of a human oral squamous cell carcinoma cell line.. <i>Japanese Journal of Oral Biology</i> , 1993, 35, 38-50.	0.1	1