

Takayuki Shiomi

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,560
citations

172457

29
h-index

182427

51
g-index

60
all docs

60
docs citations

60
times ranked

5635
citing authors

#	ARTICLE	IF	CITATIONS
1	Ryanodine Receptor Oxidation Causes Intracellular Calcium Leak and Muscle Weakness in Aging. <i>Cell Metabolism</i> , 2011, 14, 196-207.	16.2	335
2	Connective tissue growth factor binds vascular endothelial growth factor (VEGF) and inhibits VEGF-induced angiogenesis. <i>FASEB Journal</i> , 2002, 16, 1-27.	0.5	324
3	Matrix metalloproteinases, a disintegrin and metalloproteinases, and a disintegrin and metalloproteinases with thrombospondin motifs in non-neoplastic diseases. <i>Pathology International</i> , 2010, 60, 477-496.	1.3	227
4	MMP-1 drives immunopathology in human tuberculosis and transgenic mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 1827-1833.	8.2	197
5	Vascular Endothelial Growth Factor Isoforms and Their Receptors Are Expressed in Human Osteoarthritic Cartilage. <i>American Journal of Pathology</i> , 2003, 162, 171-181.	3.8	195
6	MT1-MMP and MMP-7 in invasion and metastasis of human cancers. <i>Cancer and Metastasis Reviews</i> , 2003, 22, 145-152.	5.9	194
7	ADAM12 Is Selectively Overexpressed in Human Glioblastomas and Is Associated with Glioblastoma Cell Proliferation and Shedding of Heparin-Binding Epidermal Growth Factor. <i>American Journal of Pathology</i> , 2004, 165, 1743-1753.	3.8	139
8	Chondromodulin-I maintains cardiac valvular function by preventing angiogenesis. <i>Nature Medicine</i> , 2006, 12, 1151-1159.	30.7	134
9	ADAM28 Is Overexpressed in Human Breast Carcinomas: Implications for Carcinoma Cell Proliferation through Cleavage of Insulin-like Growth Factor Binding Protein-3. <i>Cancer Research</i> , 2006, 66, 9913-9920.	0.9	115
10	ADAM28 is activated by MMP-7 (matrilysin-1) and cleaves insulin-like growth factor binding protein-3. <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 79-84.	2.1	111
11	Expression of ADAMTS4 (aggrecanase-1) in human osteoarthritic cartilage. <i>Pathology International</i> , 2007, 57, 703-711.	1.3	104
12	The Extracellular Matrix Regulates Granuloma Necrosis in Tuberculosis. <i>Journal of Infectious Diseases</i> , 2015, 212, 463-473.	4.0	90
13	ADAM28 is overexpressed in human non-small cell lung carcinomas and correlates with cell proliferation and lymph node metastasis. <i>International Journal of Cancer</i> , 2006, 118, 263-273.	5.1	84
14	Stroma-Derived Matrix Metalloproteinase (MMP)-2 Promotes Membrane Type 1-MMP-Dependent Tumor Growth in Mice. <i>Cancer Research</i> , 2007, 67, 4311-4319.	0.9	79
15	Pivotal Role of Matrix Metalloproteinase 13 in Extracellular Matrix Turnover in Idiopathic Pulmonary Fibrosis. <i>PLoS ONE</i> , 2013, 8, e73279.	2.5	77
16	ADAM-12 (meltrin 1) is involved in chondrocyte proliferation via cleavage of insulin-like growth factor binding protein 5 in osteoarthritic cartilage. <i>Arthritis and Rheumatism</i> , 2008, 58, 778-789.	6.7	72
17	Selective Suppression of Pathologic, but Not Physiologic, Retinal Neovascularization by Blocking the Angiotensin II Type 1 Receptor. , 2005, 46, 1078.		70
18	Pericellular activation of proMMP-7 (promatrilysin-1) through interaction with CD151. <i>Laboratory Investigation</i> , 2005, 85, 1489-1506.	3.7	69

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19	Membrane-type 1 Matrix Metalloproteinase Cytoplasmic Tail-binding Protein-1 Is a New Member of the Cupin Superfamily. <i>Journal of Biological Chemistry</i> , 2004, 279, 12734-12743.	3.4	68
20	Leaky ryanodine receptors in β -sarcoglycan deficient mice: a potential common defect in muscular dystrophy. <i>Skeletal Muscle</i> , 2012, 2, 9.	4.2	67
21	Macrophage derived chemokine (CCL22), thymus and activation-regulated chemokine (CCL17), and CCR4 in idiopathic pulmonary fibrosis. <i>Respiratory Research</i> , 2009, 10, 80.	3.6	66
22	Production and Activation of Matrix Metalloproteinase 7 (Matrilysin 1) in the Lungs of Patients With Idiopathic Pulmonary Fibrosis. <i>Archives of Pathology and Laboratory Medicine</i> , 2010, 134, 1136-1142.	2.5	66
23	Mice With Cardiac Overexpression of Peroxisome Proliferator-Activated Receptor β Have Impaired Repolarization and Spontaneous Fatal Ventricular Arrhythmias. <i>Circulation</i> , 2011, 124, 2812-2821.	1.6	57
24	Loss of Secreted Frizzled-Related Protein-1 Leads to Deterioration of Cardiac Function in Mice and Plays a Role in Human Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2015, 8, 362-372.	3.9	57
25	Pulmonary and cardiac pathology in sudden unexpected death in epilepsy (SUDEP). <i>Epilepsy and Behavior</i> , 2017, 73, 119-125.	1.7	52
26	Stress-induced increase in skeletal muscle force requires protein kinase A phosphorylation of the ryanodine receptor. <i>Journal of Physiology</i> , 2012, 590, 6381-6387.	2.9	50
27	The Divergent Roles of Secreted Frizzled Related Protein-1 (SFRP1) in Lung Morphogenesis and Emphysema. <i>American Journal of Pathology</i> , 2010, 177, 598-607.	3.8	49
28	EMPHYSEMATOUS CHANGES ARE CAUSED BY DEGRADATION OF TYPE III COLLAGEN IN TRANSGENIC MICE EXPRESSING MMP-1. <i>Experimental Lung Research</i> , 2003, 29, 1-15.	1.2	48
29	Tetraspanin CD151 is expressed in osteoarthritic cartilage and is involved in pericellular activation of pro-matrix metalloproteinase 7 in osteoarthritic chondrocytes. <i>Arthritis and Rheumatism</i> , 2006, 54, 3233-3243.	6.7	39
30	INHIBITION OF MKP-1 EXPRESSION POTENTIATES JNK RELATED APOPTOSIS IN RENAL CANCER CELLS. <i>Journal of Urology</i> , 2004, 172, 723-727.	0.4	31
31	Treatment of experimental asthma using a single small molecule with anti-inflammatory and BK channel-activating properties. <i>FASEB Journal</i> , 2013, 27, 4975-4986.	0.5	31
32	Deficiency of matrix metalloproteinase-13 increases inflammation after acute lung injury. <i>Experimental Lung Research</i> , 2010, 36, 615-624.	1.2	27
33	Immune Modulation of the T Cell Response in Asthma through Wnt10b. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 584-593.	2.9	25
34	Mesenchymal Tumorigenesis Driven by TSC2 Haploinsufficiency Requires HMGA2 and Is Independent of mTOR Pathway Activation. <i>Cancer Research</i> , 2016, 76, 844-854.	0.9	21
35	Reduced vascular smooth muscle BK channel current underlies heart failure-induced vasoconstriction in mice. <i>FASEB Journal</i> , 2013, 27, 1859-1867.	0.5	20
36	ADAM9 is overexpressed in human ovarian clear cell carcinomas and suppresses cisplatin-induced cell death. <i>Cancer Science</i> , 2018, 109, 471-482.	3.9	18

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37	Neuromuscular and vascular hamartoma of the cecum. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2002, 440, 338-340.	2.8	15
38	Hyperoxia-induced emphysematous changes in subacute phase of endotoxin-induced lung injury in rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 287, L184-L190.	2.9	14
39	TWO-STEP SANDWICH ENZYME IMMUNOASSAY USING MONOCLONAL ANTIBODIES FOR DETECTION OF SOLUBLE AND MEMBRANE- ASSOCIATED HUMAN MEMBRANE TYPE 1-MATRIX METALLOPROTEINASE. <i>Journal of Immunoassay and Immunochemistry</i> , 2002, 23, 49-68.	1.1	11
40	Development of In Situ Zymography to Localize Active Matrix Metalloproteinase-7 (Matrilysin-1). <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 1227-1234.	2.5	10
41	Maintenance of the bronchial alveolar stem cells in an undifferentiated state by secreted frizzled-related protein 1. <i>FASEB Journal</i> , 2014, 28, 5242-5249.	0.5	9
42	Collagenolytic Matrix Metalloproteinases in Chronic Obstructive Lung Disease and Cancer. <i>Cancers</i> , 2015, 7, 329-341.	3.7	9
43	Intravascular Large B-cell Lymphoma with Preceding Syndrome of Inappropriate Secretion of Antidiuretic Hormone. <i>Internal Medicine</i> , 2007, 46, 1569-1572.	0.7	7
44	Mmp1a and Mmp1b are not functional orthologs to human MMP1 in cigarette smoke induced lung disease. <i>Experimental and Toxicologic Pathology</i> , 2015, 67, 153-159.	2.1	6
45	Extramedullary leukemia behaving as solid cancer: clinical, histologic, and genetic clues to chemoresistance in organ sites. <i>American Journal of Hematology</i> , 2019, 94, 1200-1207.	4.1	6
46	Renal neoplasms in tuberous sclerosis mice are neurocristopathies. <i>IScience</i> , 2021, 24, 102684.	4.1	6
47	Single-Photon Emission Computed Tomography/Computed Tomography Imaging in a Rabbit Model of Emphysema Reveals Ongoing Apoptosis In Vivo. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 848-857.	2.9	5
48	Suppression of cigarette smoke induced MMP1 expression by selective serotonin reuptake inhibitors. <i>FASEB Journal</i> , 2021, 35, e21519.	0.5	3
49	The Efficacy of Vitamin K, A Member Of Naphthoquinones in the Treatment of Cancer: A Systematic Review and Meta-Analysis. <i>Current Cancer Drug Targets</i> , 2021, 21, 495-513.	1.6	3
50	Splenic peliosis associated with spontaneous rupture and massive bleeding. <i>Legal Medicine</i> , 2021, 53, 101966.	1.3	3
51	Hyperpolarized 3He diffusion MRI and histology of secreted frizzled related protein-1 (SFRP1) deficient lungs in a Murine model. <i>Magnetic Resonance Imaging</i> , 2014, 32, 535-540.	1.8	2
52	Regulation of VEGF-Induced Angiogenesis by MMPs. <i>Wound Repair and Regeneration</i> , 2005, 13, A11-A11.	3.0	1
53	Activation Of The HMGA2 Pathway Is Necessary In TSC2 Associated-mesenchymal Tumorigenesis And Tuberin Positive Lymphangiomyomatosis. , 2010, , .		1
54	Reply from Daniel C. Andersson, Matthew J. Betzenhauser, Steven Reiken, Alisa Umanskaya, Takayuki Shiomi and Andrew R. Marks. <i>Journal of Physiology</i> , 2013, 591, 3103-3103.	2.9	0

#	ARTICLE	IF	CITATIONS
55	Abstract 3996: Liquid to solid: Leukemic breast tumors assume the morphologic and genetic characteristics of breast cancer. , 2014, , .		0
56	Bilobectomy for synchronous multiple lung cancer after COVID-19 pneumonia: a case report. AME Case Reports, 2022, 6, 0-0.	0.6	0
57	A case of bacterial sphenoid sinusitis accompanied by a pituitary abscess. Otolaryngology Case Reports, 2022, , 100432.	0.1	0