

Masakiyo Sasahara

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

3,654
citations

109321

35
h-index

138484

58
g-index

85
all docs

85
docs citations

85
times ranked

5885
citing authors

#	ARTICLE	IF	CITATIONS
1	PDGF B-chain in neurons of the central nervous system, posterior pituitary, and in a transgenic model. <i>Cell</i> , 1991, 64, 217-227.	28.9	407
2	Pericyte-fibroblast transition promotes tumor growth and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5618-27.	7.1	246
3	PDGF-BB modulates hematopoiesis and tumor angiogenesis by inducing erythropoietin production in stromal cells. <i>Nature Medicine</i> , 2012, 18, 100-110.	30.7	185
4	CD206+ M2-like macrophages regulate systemic glucose metabolism by inhibiting proliferation of adipocyte progenitors. <i>Nature Communications</i> , 2017, 8, 286.	12.8	178
5	PDGF Receptor β Is a Potent Regulator of Mesenchymal Stromal Cell Function. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1519-1528.	2.8	139
6	The Roles of PDGF in Development and During Neurogenesis in the Normal and Diseased Nervous System. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 168-181.	4.1	139
7	Inflammation-induced endothelial cell-derived extracellular vesicles modulate the cellular status of pericytes. <i>Scientific Reports</i> , 2015, 5, 8505.	3.3	134
8	PDGFR- β as a Positive Regulator of Tissue Repair in a Mouse Model of Focal Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 353-367.	4.3	101
9	Deletion of the PDGFR- β Gene Affects Key Fibroblast Functions Important for Wound Healing. <i>Journal of Biological Chemistry</i> , 2005, 280, 9375-9389.	3.4	98
10	Overlapping memory trace indispensable for linking, but not recalling, individual memories. <i>Science</i> , 2017, 355, 398-403.	12.6	95
11	Astaxanthin stimulates mitochondrial biogenesis in insulin resistant muscle via activation of AMPK pathway. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 241-258.	7.3	95
12	HIF-1 α in Myeloid Cells Promotes Adipose Tissue Remodeling Toward Insulin Resistance. <i>Diabetes</i> , 2016, 65, 3649-3659.	0.6	81
13	Ischemia Induces the Expression of the Platelet-Derived Growth Factor-B Chain in Neurons and Brain Macrophages in vivo. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 818-824.	4.3	77
14	Mouse brains deficient in neuronal PDGF receptor-beta develop normally but are vulnerable to injury. <i>Journal of Neurochemistry</i> , 2006, 98, 588-600.	3.9	76
15	Neuroprotective effects of PDGF against oxidative stress and the signaling pathway involved. <i>Journal of Neuroscience Research</i> , 2010, 88, 1273-1284.	2.9	76
16	Isoliquiritigenin Attenuates Adipose Tissue Inflammation in vitro and Adipose Tissue Fibrosis through Inhibition of Innate Immune Responses in Mice. <i>Scientific Reports</i> , 2016, 6, 23097.	3.3	75
17	A subset of cerebrovascular pericytes originates from mature macrophages in the very early phase of vascular development in CNS. <i>Scientific Reports</i> , 2017, 7, 3855.	3.3	73
18	PDGFR β Regulates Adipose Tissue Expansion and Glucose Metabolism via Vascular Remodeling in Diet-Induced Obesity. <i>Diabetes</i> , 2017, 66, 1008-1021.	0.6	66

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19	Platelet-derived growth factor- β expression induced after rat peripheral nerve injuries. <i>Glia</i> , 2002, 38, 303-312.	4.9	62
20	PDGFR α plays a crucial role in connective tissue remodeling. <i>Scientific Reports</i> , 2016, 5, 17948.	3.3	61
21	PDGFR β restores blood-brain barrier functions in a mouse model of focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1501-1515.	4.3	61
22	Relationships among Parvalbumin-Immunoreactive Neuron Density, Phase-Locked Gamma Oscillations, and Autistic/Schizophrenic Symptoms in PDGFR β Knock-Out and Control Mice. <i>PLoS ONE</i> , 2015, 10, e0119258.	2.5	60
23	Nicotine suppresses acute colitis and colonic tumorigenesis associated with chronic colitis in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G968-G978.	3.4	57
24	Characterization of neuroprogenitor cells expressing the PDGF β -receptor within the subventricular zone of postnatal mice. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 507-518.	2.2	55
25	Activation of MAP kinases, Akt and PDGF receptors in injured peripheral nerves. <i>Journal of the Peripheral Nervous System</i> , 2009, 14, 165-176.	3.1	54
26	Bofutsushosan improves gut barrier function with a bloom of <i>Akkermansia muciniphila</i> and improves glucose metabolism in mice with diet-induced obesity. <i>Scientific Reports</i> , 2020, 10, 5544.	3.3	51
27	Cognitive and Socio-Emotional Deficits in Platelet-Derived Growth Factor Receptor- β Gene Knockout Mice. <i>PLoS ONE</i> , 2011, 6, e18004.	2.5	50
28	Induction of Platelet-Derived Growth Factor β -Receptor in Focal Ischemia of Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 941-949.	4.3	47
29	Bidirectional crosstalk between neutrophils and adipocytes promotes adipose tissue inflammation. <i>FASEB Journal</i> , 2019, 33, 11821-11835.	0.5	46
30	Powerful Homeostatic Control of Oligodendroglial Lineage by PDGFR α in Adult Brain. <i>Cell Reports</i> , 2019, 27, 1073-1089.e5.	6.4	46
31	ATBF1 Inhibits Estrogen Receptor (ER) Function by Selectively Competing with AIB1 for Binding to the ER in ER-positive Breast Cancer Cells*. <i>Journal of Biological Chemistry</i> , 2010, 285, 32801-32809.	3.4	45
32	The PDGF B-chain is involved in the ontogenic susceptibility of the developing rat brain to NMDA toxicity. <i>Experimental Neurology</i> , 2004, 186, 89-98.	4.1	43
33	Mobilization of Pluripotent Multilineage-Differentiating Stress-Enduring Cells in Ischemic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016, 25, 1473-1481.	1.6	43
34	NK Cells Control Tumor-Promoting Function of Neutrophils in Mice. <i>Cancer Immunology Research</i> , 2018, 6, 348-357.	3.4	39
35	Expression of platelet-derived growth factor B-chain in the mature rat brain and pituitary gland. <i>Molecular Brain Research</i> , 1995, 32, 63-74.	2.3	36
36	Reduced expression of the <i>ATRXL</i> gene, a chromatin remodeling factor, causes hippocampal dysfunction in mice. <i>Hippocampus</i> , 2011, 21, 678-687.	1.9	34

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37	Pathogenetic significance and possibility as a therapeutic target of platelet derived growth factor. <i>Pathology International</i> , 2017, 67, 235-246.	1.3	30
38	PDGFR- β Plays a Key Role in the Ectopic Migration of Neuroblasts in Cerebral Stroke. <i>Stem Cells</i> , 2016, 34, 685-698.	3.2	27
39	Vascular PDGFR-alpha protects against BBB dysfunction after stroke in mice. <i>Angiogenesis</i> , 2021, 24, 35-46.	7.2	26
40	Active Src expression is induced after rat peripheral nerve injury. <i>Glia</i> , 2003, 42, 184-193.	4.9	25
41	PDGF Suppresses Oxidative Stress Induced Ca^{2+} Overload and Calpain Activation in Neurons. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-8.	4.0	25
42	Partial depletion of CD206-positive M2-like macrophages induces proliferation of beige progenitors and enhances browning after cold stimulation. <i>Scientific Reports</i> , 2018, 8, 14567.	3.3	24
43	Timed Inhibition of Orexin System by Suvorexant Improved Sleep and Glucose Metabolism in Type 2 Diabetic db/db Mice. <i>Endocrinology</i> , 2016, 157, 4146-4157.	2.8	23
44	The Novel Pathogenesis of Retinopathy Mediated by Multiple RTK Signals is Uncovered in Newly Developed Mouse Model. <i>EBioMedicine</i> , 2018, 31, 190-201.	6.1	22
45	Stromal cell-derived factor 1 (SDF1) attenuates platelet-derived growth factor-B (PDGF-B)-induced vascular remodeling for adipose tissue expansion in obesity. <i>Angiogenesis</i> , 2020, 23, 667-684.	7.2	19
46	Serine racemase deletion attenuates neurodegeneration and microvascular damage in diabetic retinopathy. <i>PLoS ONE</i> , 2018, 13, e0190864.	2.5	19
47	Roles of PDGF receptor-beta in the structure and function of postnatal kidney glomerulus. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 458-468.	0.7	17
48	Aberrant hippocampal spine morphology and impaired memory formation in neuronal platelet-derived growth factor beta receptor lacking mice. <i>Hippocampus</i> , 2012, 22, 1371-1378.	1.9	14
49	Critical role of platelet-derived growth factor- β in angiogenesis after indirect bypass in a murine moyamoya disease model. <i>Journal of Neurosurgery</i> , 2021, 134, 1535-1543.	1.6	12
50	Platelet-derived growth factor and renal disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2012, 21, 80-85.	2.0	10
51	Glioma-Derived Platelet-Derived Growth Factor-BB Recruits Oligodendrocyte Progenitor Cells via Platelet-Derived Growth Factor Receptor- β and Remodels Cancer Stroma. <i>American Journal of Pathology</i> , 2016, 186, 1081-1091.	3.8	10
52	Genetic analysis of cataract in lhara epileptic rat. <i>Mammalian Genome</i> , 2001, 12, 207-211.	2.2	9
53	Different PDGF Receptor Dimers Drive Distinct Migration Modes of the Mouse Skin Fibroblast. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 1461-1479.	1.6	9
54	Trichohyalin-like 1 protein plays a crucial role in proliferation and anti-apoptosis of normal human keratinocytes and squamous cell carcinoma cells. <i>Cell Death Discovery</i> , 2020, 6, 109.	4.7	9

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55	Early-life experiences altered the maturation of the lateral habenula in mouse models, resulting in behavioural disorders in adulthood. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E480-E489.	2.4	9
56	Expression of platelet-derived growth factor after transient forebrain ischemia in the gerbil hippocampus. <i>Acta Neuropathologica</i> , 1998, 95, 471-478.	7.7	8
57	Dysregulation of Amphiregulin stimulates the pathogenesis of cystic lymphangioma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
58	Clinicopathological Features of Thyroid-Like Low-Grade Nasopharyngeal Papillary Adenocarcinoma: A Case Report and Review of the Literature. <i>Frontiers in Surgery</i> , 2020, 7, 596796.	1.4	7
59	Oligodendrogenesis and Myelin Formation in the Forebrain Require Platelet-derived Growth Factor Receptor-alpha. <i>Neuroscience</i> , 2020, 436, 11-26.	2.3	7
60	Oestrogen receptor β in T cells controls the T cell immune profile and glucose metabolism in mouse models of gestational diabetes mellitus. <i>Diabetologia</i> , 2021, 64, 1660-1673.	6.3	7
61	Acetylaspartate availability is essential for juvenile survival on fat-free diet and determines metabolic health. <i>FASEB Journal</i> , 2019, 33, 13808-13824.	0.5	6
62	Generation of an immortalized astrocytic cell line from <i>Abcd1</i> -deficient H-2K ^b A58 mice to facilitate the study of the role of astrocytes in X-linked adrenoleukodystrophy. <i>Heliyon</i> , 2021, 7, e06228.	3.2	6
63	Chronotherapeutic effect of orexin antagonists on glucose metabolism in diabetic mice. <i>Journal of Endocrinology</i> , 2019, 243, 59-72.	2.6	6
64	Successful multimodal treatment of intraoral salivary duct carcinoma in a patient with multiple lymph node metastases: a case report. <i>World Journal of Surgical Oncology</i> , 2017, 15, 18.	1.9	5
65	Stress-Related Neuronal Clusters in Sublenticular Extended Amygdala of Basal Forebrain Show Individual Differences of Positions. <i>Frontiers in Neural Circuits</i> , 2020, 14, 29.	2.8	5
66	Generation and characterization of a <i>Meflin-CreERT2</i> transgenic line for lineage tracing in white adipose tissue. <i>PLoS ONE</i> , 2021, 16, e0248267.	2.5	5
67	ANALYSIS OF SECRETION AND EXPRESSION OF PLATELET-DERIVED GROWTH FACTOR IN CULTURED ENDOTHELIAL CELLS FROM STROKE-PRONE SPONTANEOUSLY HYPERTENSIVE RAT. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1993, 20, 515-521.	1.9	4
68	Immunohistological examination of a skin lesion in a Japanese case with hand, foot and mouth disease caused by coxsackie-virus A6. <i>European Journal of Dermatology</i> , 2014, 24, 506-507.	0.6	4
69	A rare case of synchronous bilateral epididymal and testicular metastases of urothelial carcinoma of the bladder after intravesical bacillus Calmette-Guérin. <i>International Cancer Conference Journal</i> , 2021, 10, 59-62.	0.5	2
70	Repeated Antigen Challenge Modulates Expression of Follicular Dendritic Cell (FDC) Related Molecule in Draining Lymph Nodes.. <i>Acta Histochemica Et Cytochemica</i> , 2001, 34, 265-273.	1.6	1
71	Sarcomatoid salivary duct carcinoma of the palate: a rare case report. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 119, e27-e32.	0.4	1
72	Aortic Proteases in Hypertensive Rats. <i>International Heart Journal</i> , 1985, 26, 638-638.	0.6	1

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73	A Case of an Ovarian Mature Cystic Teratoma Penetrated into the Sigmoid Colon. Nihon Rinsho Geka Gakkai Zasshi (Journal of Japan Surgical Association), 2016, 77, 2547-2551.	0.0	1
74	The effect of hypertension on lysosomal enzyme activities in aortic endothelial cells. International Heart Journal, 1988, 29, 518-518.	0.6	0
75	Extramammary Paget's disease occurring in the context of Cowden syndrome: true association or mere coincidence?. European Journal of Dermatology, 2015, 25, 89-91.	0.6	0
76	Lysosomal enzyme activity in the arterial system in SHRSP. International Heart Journal, 1982, 23, 463-464.	0.6	0
77	Histochemical study on lysosomal enzyme activities in the endothelial monolayer preparations from SHRSP. International Heart Journal, 1982, 23, 398-398.	0.6	0
78	Elastase and Collagenase Activities in The Aorta in SHRSP. International Heart Journal, 1984, 25, 884-884.	0.6	0
79	Lysosomal enzyme activities in the cerebral microvessels of SBR-SP. International Heart Journal, 1987, 28, 590-590.	0.6	0
80	PROLIFERATION PROPERTY OF CULTIVATED AORTIC EDOTHELIAL CELLS FROM HYPERTENSIVE RATS. International Heart Journal, 1988, 29, 519-519.	0.6	0
81	Quantitative and Histochemical investigation of membrane-bound enzymes in the cerebral microvessels in SHR-SP. International Heart Journal, 1989, 30, 577-577.	0.6	0
82	Immuno-study of PDGF, PDGF Receptor and Cell Kinetics in Atherosclerotic Lesions in Nonhuman Primates. The Journal of Japan Atherosclerosis Society, 1993, 21, 493-496.	0.0	0
83	Analysis of expression and secretion of PDGF-B chain of cultured aortic endothelial cell of stroke-prone SHR. International Heart Journal, 1993, 34, 525-525.	0.6	0
84	Enhanced Expression of PDGF-B Chain mRNA in the Cultured Aortic Endothelial Cells from Stroke-Prone SHR. International Heart Journal, 1994, 35, 519-519.	0.6	0
85	Elastase in Aorta in SHR-SP. International Heart Journal, 1983, 24, 794-794.	0.6	0