

# Takeharu Sakamoto

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,108  
citations

430874  
18  
h-index

414414  
32  
g-index

44  
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44  
docs citations

44  
times ranked

1665  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of a p16 Reporter Mouse and Its Use to Characterize and Target p16 <sup>high</sup> Cells In Vivo. <i>Cell Metabolism</i> , 2020, 32, 814-828.e6.	16.2	93
2	A Membrane Protease Regulates Energy Production in Macrophages by Activating Hypoxia-inducible Factor-1 via a Non-proteolytic Mechanism. <i>Journal of Biological Chemistry</i> , 2010, 285, 29951-29964.	3.4	82
3	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
4	Cytoplasmic tail of MT1-MMP regulates macrophage motility independently from its protease activity. <i>Genes To Cells</i> , 2009, 14, 617-626.	1.2	77
5	Targeting the Warburg Effect That Arises in Tumor Cells Expressing Membrane Type-1 Matrix Metalloproteinase. <i>Journal of Biological Chemistry</i> , 2011, 286, 14691-14704.	3.4	68
6	Mint3 Enhances the Activity of Hypoxia-inducible Factor-1 (HIF-1) in Macrophages by Suppressing the Activity of Factor Inhibiting HIF-1. <i>Journal of Biological Chemistry</i> , 2009, 284, 30350-30359.	3.4	57
7	MT1-MMP plays a critical role in hematopoiesis by regulating HIF-mediated chemokine/cytokine gene transcription within niche cells. <i>Blood</i> , 2012, 119, 5405-5416.	1.4	51
8	Integrated functions of membrane type 1 matrix metalloproteinase in regulating cancer malignancy: Beyond a proteinase. <i>Cancer Science</i> , 2017, 108, 1095-1100.	3.9	45
9	Hypoxia-Inducible Factor 1 Regulation through Cross Talk between mTOR and MT1-MMP. <i>Molecular and Cellular Biology</i> , 2014, 34, 30-42.	2.3	44
10	Establishment of an MT1-MMP-deficient mouse strain representing an efficient tracking system for MT1-MMP/MMP-17 expression <i>in vivo</i> using $\beta$ -galactosidase. <i>Genes To Cells</i> , 2007, 12, 1091-1100.	1.2	41
11	The ERK signaling target RNF126 regulates anoikis resistance in cancer cells by changing the mitochondrial metabolic flux. <i>Cell Discovery</i> , 2016, 2, 16019.	6.7	40
12	NECAB3 Promotes Activation of Hypoxia-inducible factor-1 during Normoxia and Enhances Tumourigenicity of Cancer Cells. <i>Scientific Reports</i> , 2016, 6, 22784.	3.3	30
13	Deletion of the Mint3/Apba3 Gene in Mice Abrogates Macrophage Functions and Increases Resistance to Lipopolysaccharide-induced Septic Shock. <i>Journal of Biological Chemistry</i> , 2011, 286, 32542-32551.	3.4	29
14	TGF- $\beta$ 2-dependent reprogramming of amino acid metabolism induces epithelial-mesenchymal transition in non-small cell lung cancers. <i>Communications Biology</i> , 2021, 4, 782.	4.4	29
15	The membrane palmitoylated protein, MPP6, is involved in myelin formation in the mouse peripheral nervous system. <i>Histochemistry and Cell Biology</i> , 2019, 151, 385-394.	1.7	28
16	Control of metastatic niche formation by targeting APBA3/Mint3 in inflammatory monocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4416-E4424.	7.1	24
17	Mint3-mediated L1CAM expression in fibroblasts promotes cancer cell proliferation via integrin $\beta$ 5 and tumour growth. <i>Oncogenesis</i> , 2017, 6, e334-e334.	4.9	23
18	Genetic dissection of proteolytic and non-proteolytic contributions of MT1-MMP to macrophage invasion. <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 277-281.	2.1	20

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19	Mint3 potentiates TLR3/4- and RIG-I-induced IFN- $\beta$ expression and antiviral immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11925-11930.	7.1	20
20	ZF21 Protein Regulates Cell Adhesion and Motility. <i>Journal of Biological Chemistry</i> , 2010, 285, 21013-21022.	3.4	19
21	Identification and Characterization of Lutheran Blood Group Glycoprotein as a New Substrate of Membrane-type 1 Matrix Metalloproteinase 1 (MT1-MMP). <i>Journal of Biological Chemistry</i> , 2009, 284, 27360-27369.	3.4	18
22	Deficiency of a membrane skeletal protein, 4.1G, results in myelin abnormalities in the peripheral nervous system. <i>Histochemistry and Cell Biology</i> , 2017, 148, 597-606.	1.7	18
23	EXOSC9 depletion attenuates P-body formation, stress resistance, and tumorigenicity of cancer cells. <i>Scientific Reports</i> , 2020, 10, 9275.	3.3	18
24	CHIP-associated mutant ASXL1 in blood cells promotes solid tumor progression. <i>Cancer Science</i> , 2022, 113, 1182-1194.	3.9	17
25	Mint3 depletion restricts tumor malignancy of pancreatic cancer cells by decreasing SKP2 expression via HIF-1. <i>Oncogene</i> , 2020, 39, 6218-6230.	5.9	16
26	Developmental Expression and Localization of IA-2 mRNA in Mouse Neuroendocrine Tissues. <i>Biochemical and Biophysical Research Communications</i> , 2001, 288, 165-171.	2.1	15
27	Mint3/Apba3 depletion ameliorates severe murine influenza pneumonia and macrophage cytokine production in response to the influenza virus. <i>Scientific Reports</i> , 2016, 6, 37815.	3.3	15
28	Genetic Screening of New Genes Responsible for Cellular Adaptation to Hypoxia Using a Genome-Wide shRNA Library. <i>PLoS ONE</i> , 2012, 7, e35590.	2.5	14
29	Mint3 in bone marrow-derived cells promotes lung metastasis in breast cancer model mice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 688-692.	2.1	10
30	Mint3 depletion-mediated glycolytic and oxidative alterations promote pyroptosis and prevent the spread of <i>Listeria monocytogenes</i> infection in macrophages. <i>Cell Death and Disease</i> , 2021, 12, 404.	6.3	9
31	Structural and thermodynamical insights into the binding and inhibition of FIH-1 by the N-terminal disordered region of Mint3. <i>Journal of Biological Chemistry</i> , 2021, 297, 101304.	3.4	9
32	Structures and Molecular Composition of Schmidt-Lanterman Incisures. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1190, 181-198.	1.6	8
33	Novel adherent CD11b+ Gr-1+ tumor-infiltrating cells initiate an immunosuppressive tumor microenvironment. <i>Oncotarget</i> , 2018, 9, 11209-11226.	1.8	8
34	ZF21 is a new regulator of focal adhesion disassembly and a potential member of the spreading initiation center. <i>Cell Adhesion and Migration</i> , 2011, 5, 23-28.	2.7	7
35	Munc18-1-interacting protein 3 mitigates renal fibrosis through protection of tubular epithelial cells from apoptosis. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, 576-586.	0.7	6
36	Investigation of a MMP-2 Activity-Dependent Anchoring Probe for Nuclear Imaging of Cancer. <i>PLoS ONE</i> , 2014, 9, e102180.	2.5	5

#	ARTICLE	IF	CITATIONS
37	Scaffold protein Lin7 family in membrane skeletal protein complex in mouse seminiferous tubules. Histochemistry and Cell Biology, 2019, 152, 333-343.	1.7	5
38	Pharmacological inhibition of Mint3 attenuates tumour growth, metastasis, and endotoxic shock. Communications Biology, 2021, 4, 1165.	4.4	4
39	Trans-homophilic interaction of CADM1 promotes organ infiltration of T-cell lymphoma by adhesion to vascular endothelium. Cancer Science, 2022, , .	3.9	4
40	Mint3 is dispensable for pancreatic and kidney functions in mice. Biochemistry and Biophysics Reports, 2020, 24, 100872.	1.3	2
41	MT1-MMP Plays a Critical Role in Hematopoiesis by Regulating HIF-Mediated Chemo-/Cytokine Gene Transcription within Niche Cells.. Blood, 2012, 120, 2351-2351.	1.4	1
42	Electron microscopic observation of photoreceptor cells in directly inserted anesthetized Drosophila into a high-pressure freezing unit. Microscopy Research and Technique, 2019, 82, 244-249.	2.2	0
43	Abstract 399: Deletion of the Mint3 gene in mice abrogates macrophage functions and increases resistance to cancer metastasis. , 2012, , .		0