

Takeharu Sakamoto

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2981640/takeharu-sakamoto-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41 papers	799 citations	17 h-index	27 g-index
44 ext. papers	971 ext. citations	5.7 avg, IF	4.05 L-index

#	Paper	IF	Citations
41	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, 29951-64	5.4	73
40	Stroma-derived matrix metalloproteinase (MMP)-2 promotes membrane type 1-MMP-dependent tumor growth in mice. <i>Cancer Research</i> , 2007 , 67, 4311-9	10.1	69
39	Cytoplasmic tail of MT1-MMP regulates macrophage motility independently from its protease activity. <i>Genes To Cells</i> , 2009 , 14, 617-26	2.3	68
38	Targeting the Warburg effect that arises in tumor cells expressing membrane type-1 matrix metalloproteinase. <i>Journal of Biological Chemistry</i> , 2011 , 286, 14691-704	5.4	58
37	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, 30350-9	5.4	49
36	MT1-MMP plays a critical role in hematopoiesis by regulating HIF-mediated chemokine/cytokine gene transcription within niche cells. <i>Blood</i> , 2012 , 119, 5405-16	2.2	37
35	Integrated functions of membrane-type 1 matrix metalloproteinase in regulating cancer malignancy: Beyond a proteinase. <i>Cancer Science</i> , 2017 , 108, 1095-1100	6.9	36
34	Hypoxia-inducible factor 1 regulation through cross talk between mTOR and MT1-MMP. <i>Molecular and Cellular Biology</i> , 2014 , 34, 30-42	4.8	35
33	Establishment of an MT4-MMP-deficient mouse strain representing an efficient tracking system for MT4-MMP/MMP-17 expression in vivo using beta-galactosidase. <i>Genes To Cells</i> , 2007 , 12, 1091-100	2.3	33
32	The ERK signaling target RNF126 regulates anoikis resistance in cancer cells by changing the mitochondrial metabolic flux. <i>Cell Discovery</i> , 2016 , 2, 16019	22.3	32
31	Generation of a p16 Reporter Mouse and Its Use to Characterize and Target p16 Cells In Vivo. <i>Cell Metabolism</i> , 2020 , 32, 814-828.e6	24.6	31
30	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, 32542-51	5.4	27
29	NECAB3 Promotes Activation of Hypoxia-inducible factor-1 during Normoxia and Enhances Tumorigenicity of Cancer Cells. <i>Scientific Reports</i> , 2016 , 6, 22784	4.9	21
28	Genetic dissection of proteolytic and non-proteolytic contributions of MT1-MMP to macrophage invasion. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 413, 277-81	3.4	20
27	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	11.5	18
26	Identification and characterization of Lutheran blood group glycoprotein as a new substrate of membrane-type 1 matrix metalloproteinase 1 (MT1-MMP): a systemic whole cell analysis of MT1-MMP-associating proteins in A431 cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27360-9	5.4	17
25	Mint3 potentiates TLR3/4- and RIG-I-induced IFN- β expression and antiviral immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11925-11930	11.5	17

24	Mint3-mediated L1CAM expression in fibroblasts promotes cancer cell proliferation via integrin $\beta 1$ and tumour growth. <i>Oncogenesis</i> , 2017 , 6, e334	6.6	16
23	ZF21 protein regulates cell adhesion and motility. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21013-22	5.4	16
22	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	4.9	14
21	Developmental expression and localization of IA-2 mRNA in mouse neuroendocrine tissues. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 288, 165-71	3.4	14
20	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	2.4	11
19	EXOSC9 depletion attenuates P-body formation, stress resistance, and tumorigenicity of cancer cells. <i>Scientific Reports</i> , 2020 , 10, 9275	4.9	10
18	Genetic screening of new genes responsible for cellular adaptation to hypoxia using a genome-wide shRNA library. <i>PLoS ONE</i> , 2012 , 7, e35590	3.7	9
17	Mint3 depletion restricts tumor malignancy of pancreatic cancer cells by decreasing SKP2 expression via HIF-1. <i>Oncogene</i> , 2020 , 39, 6218-6230	9.2	9
16	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	3.4	8
15	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, 23-8	3.2	7
14	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	2.4	7
13	Novel adherent CD11b Gr-1 tumor-infiltrating cells initiate an immunosuppressive tumor microenvironment. <i>Oncotarget</i> , 2018 , 9, 11209-11226	3.3	6
12	Structures and Molecular Composition of Schmidt-Lanterman Incisures. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1190, 181-198	3.6	5
11	TGF- β -dependent reprogramming of amino acid metabolism induces epithelial-mesenchymal transition in non-small cell lung cancers. <i>Communications Biology</i> , 2021 , 4, 782	6.7	5
10	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	5.4	4
9	Scaffold protein Lin7 family in membrane skeletal protein complex in mouse seminiferous tubules. <i>Histochemistry and Cell Biology</i> , 2019 , 152, 333-343	2.4	3
8	Investigation of a MMP-2 activity-dependent anchoring probe for nuclear imaging of cancer. <i>PLoS ONE</i> , 2014 , 9, e102180	3.7	3
7	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	9.8	3

6	CHIP-associated mutant ASXL1 in blood cells promotes solid tumor progression.. <i>Cancer Science</i> , 2022 ,	6.9	2
5	Mint3 is dispensable for pancreatic and kidney functions in mice. <i>Biochemistry and Biophysics Reports</i> , 2020 , 24, 100872	2.2	2
4	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	4.3	2
3	Pharmacological inhibition of Mint3 attenuates tumour growth, metastasis, and endotoxic shock. <i>Communications Biology</i> , 2021 , 4, 1165	6.7	1
2	MT1-MMP Plays a Critical Role in Hematopoiesis by Regulating HIF-Mediated Chemo-/Cytokine Gene Transcription within Niche Cells.. <i>Blood</i> , 2012 , 120, 2351-2351	2.2	1
1	Electron microscopic observation of photoreceptor cells in directly inserted anesthetized <i>Drosophila</i> into a high-pressure freezing unit. <i>Microscopy Research and Technique</i> , 2019 , 82, 244-249	2.8	