

# Masaki Takiguchi

## List of Publications by Year in descending order

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84  
papers

3,277  
citations

136950

32  
h-index

155660

55  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3077  
citing authors

#	ARTICLE	IF	CITATIONS
1	Systemic oscillator-driven and nutrient-responsive hormonal regulation of daily expression rhythms for gluconeogenic enzyme genes in the mouse liver. <i>Chronobiology International</i> , 2019, 36, 591-615.	2.0	7
2	Association of serum levels of antibodies against MMP1, CBX1, and CBX5 with transient ischemic attack and cerebral infarction. <i>Oncotarget</i> , 2018, 9, 5600-5613.	1.8	38
3	Novel autoantibodies against the proteasome subunit PSMA7 in amyotrophic lateral sclerosis. <i>Journal of Neuroimmunology</i> , 2018, 325, 54-60.	2.3	17
4	Elevation of autoantibody level against PDCD11 in patients with transient ischemic attack. <i>Oncotarget</i> , 2018, 9, 8836-8848.	1.8	18
5	Elevation of Autoantibody in Patients with Ischemic Stroke. <i>Neurologia Medico-Chirurgica</i> , 2018, 58, 303-310.	2.2	12
6	Identification of specific and common diagnostic antibody markers for gastrointestinal cancers by SEREX screening using testis cDNA phage library. <i>Oncotarget</i> , 2018, 9, 18559-18569.	1.8	26
7	The Pluripotent Stem-Cell Marker Alkaline Phosphatase is Highly Expressed in Refractory Glioblastoma with DNA Hypomethylation. <i>Neurosurgery</i> , 2017, 80, 248-256.	1.1	14
8	Identification of stroke-associated-antigens via screening of recombinant proteins from the human expression cDNA library (SEREX). <i>Journal of Translational Medicine</i> , 2015, 13, 71.	4.4	35
9	Novel serum autoantibodies against talin1 in multiple sclerosis: Possible pathogenetic roles of the antibodies. <i>Journal of Neuroimmunology</i> , 2015, 284, 30-36.	2.3	28
10	The secretogranin <sc>II</sc> gene is a signal integrator of glutamate and dopamine inputs. <i>Journal of Neurochemistry</i> , 2014, 128, 233-245.	3.9	11
11	Circulating anti-filamin C autoantibody as a potential serum biomarker for low-grade gliomas. <i>BMC Cancer</i> , 2014, 14, 452.	2.6	24
12	Efficient Subtractive Cloning of Genes Activated by Lipopolysaccharide and Interferon $\beta$ in Primary-Cultured Cortical Cells of Newborn Mice. <i>PLoS ONE</i> , 2013, 8, e79236.	2.5	1
13	Autologous antibody to src-homology 3-domain GRB2-like 1 specifically increases in the sera of patients with low-grade gliomas. <i>Journal of Experimental and Clinical Cancer Research</i> , 2012, 31, 85.	8.6	27
14	Calpain regulates thymidylate synthase-5-fluorouracil complex levels associated with response to 5-fluorouracil in gastric cancer cells. <i>Cancer Science</i> , 2011, 102, 1509-1515.	3.9	12
15	Identification of a novel SEREX antigen family, ECSA, in esophageal squamous cell carcinoma. <i>Proteome Science</i> , 2011, 9, 31.	1.7	32
16	Time of Day and Nutrients in Feeding Govern Daily Expression Rhythms of the Gene for Sterol Regulatory Element-binding Protein (SREBP)-1 in the Mouse Liver. <i>Journal of Biological Chemistry</i> , 2010, 285, 33028-33036.	3.4	47
17	Stimulation of p53 Transactivation Ability by Nicastrin in Mouse Fibroblasts. <i>SRX Biology</i> , 2010, 2010, 1-10.	0.0	0
18	Decrease in chemosensitivity against anticancer drugs by an esophageal squamous cell carcinoma SEREX antigen, AISEC. <i>International Journal of Oncology</i> , 2009, 34, 641-8.	3.3	4

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19	Identification of Makorin 1 as a novel SEREX antigen of esophageal squamous cell carcinoma. <i>BMC Cancer</i> , 2009, 9, 232.	2.6	29
20	Detection of anti-CUEC-23 antibodies in serum of patients with esophageal squamous cell carcinoma: a possible new serum marker for esophageal cancer. <i>Journal of Gastroenterology</i> , 2009, 44, 691-696.	5.1	13
21	Hepatoblast-like cells enriched from mouse embryonic stem cells in medium without glucose, pyruvate, arginine, and tyrosine. <i>Cell and Tissue Research</i> , 2008, 333, 17-27.	2.9	25
22	Multifactorial Regulation of Daily Rhythms in Expression of the Metabolically Responsive Gene Spot14 in the Mouse Liver. <i>Journal of Biological Rhythms</i> , 2007, 22, 324-334.	2.6	8
23	Serum anti-myomegalin antibodies in patients with esophageal squamous cell carcinoma. <i>International Journal of Oncology</i> , 2007, 30, 97.	3.3	17
24	Activation of Ras signaling pathways by pyrroloquinoline quinone in NIH3T3 mouse fibroblasts. <i>International Journal of Molecular Medicine</i> , 2007, 19, 765.	4.0	11
25	Serum anti-myomegalin antibodies in patients with esophageal squamous cell carcinoma. <i>International Journal of Oncology</i> , 2007, 30, 97-103.	3.3	29
26	Sensitization against anticancer drugs by transfection with UBE2I variant gene into ras-NIH3H3 mouse fibroblasts. <i>Anticancer Research</i> , 2007, 27, 3227-33.	1.1	9
27	Up-regulation of genes for oxidative phosphorylation and protein turnover in diabetic mouse retina. <i>Experimental Eye Research</i> , 2006, 83, 849-857.	2.6	12
28	Activation of genes for growth factor and cytokine pathways late in chondrogenic differentiation of ATDC5 cells. <i>Genomics</i> , 2006, 88, 52-64.	2.9	10
29	Identification of differentially expressed genes in human bladder cancer through genome-wide gene expression profiling. <i>Oncology Reports</i> , 2006, 16, 521.	2.6	23
30	Identification of a novel SEREX antigen, SLC2A1/GLUT1, in esophageal squamous cell carcinoma. <i>International Journal of Oncology</i> , 2006, 28, 463.	3.3	8
31	Presence of serum tripartite motif-containing 21 antibodies in patients with esophageal squamous cell carcinoma. <i>Cancer Science</i> , 2006, 97, 380-386.	3.9	37
32	Altered gene expression in the subdivisions of the amygdala of Fyn-deficient mice as revealed by laser capture microdissection and mKIAA cDNA array analysis. <i>Brain Research</i> , 2006, 1073-1074, 60-70.	2.2	8
33	Relationship Between Pancreatic Secretory Trypsin Inhibitor and Early Recurrence of Intrahepatic Cholangiocarcinoma Following Surgical Resection. <i>American Journal of Gastroenterology</i> , 2006, 101, 1601-1610.	0.4	31
34	Identification of a novel SEREX antigen, SLC2A1/GLUT1, in esophageal squamous cell carcinoma. <i>International Journal of Oncology</i> , 2006, 28, 463-8.	3.3	18
35	Cathepsin D Is a Potential Serum Marker for Poor Prognosis in Glioma Patients. <i>Cancer Research</i> , 2005, 65, 5190-5194.	0.9	104
36	Proteome-based identification of molecular markers predicting chemosensitivity to each category of anticancer agents in human gliomas. <i>International Journal of Oncology</i> , 2005, 26, 993.	3.3	7

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37	Serological identification of tumor antigens of esophageal squamous cell carcinoma. <i>International Journal of Oncology</i> , 2005, 26, 77-86.	3.3	18
38	Molecular Classification and Survival Prediction in Human Gliomas Based on Proteome Analysis. <i>Cancer Research</i> , 2004, 64, 2496-2501.	0.9	156
39	Serological identification of TROP2 by recombinant cDNA expression cloning using sera of patients with esophageal squamous cell carcinoma. <i>International Journal of Cancer</i> , 2004, 112, 1029-1035.	5.1	96
40	Gene expression profiles in liver regeneration with oval cell induction. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 370-376.	2.1	40
41	An mRNA amplification procedure with directional cDNA cloning and strand-specific cRNA synthesis for comprehensive gene expression analysis. <i>Genomics</i> , 2004, 84, 715-729.	2.9	13
42	Gene Expression Profiling Reveals the Mechanism and Pathophysiology of Mouse Liver Regeneration. <i>Journal of Biological Chemistry</i> , 2003, 278, 29813-29818.	3.4	70
43	Drug-sensitivity pattern analysis for study of functional relationship between gene products. <i>FEBS Letters</i> , 2003, 552, 177-183.	2.8	9
44	Two-peaked Synchronization in Day/Night Expression Rhythms of the Fibrinogen Gene Cluster in the Mouse Liver. <i>Journal of Biological Chemistry</i> , 2003, 278, 30450-30457.	3.4	19
45	Expression and Regulation of the Gene for Arginase I in Mouse Salivary Glands: Requirement of CCAAT/Enhancer-Binding Protein a for the Expression in the Parotid Gland. <i>Journal of Biochemistry</i> , 2002, 132, 621-627.	1.7	11
46	Regulation of Transformed State by Calpastatin via PKC $\mu$ in NIH3T3 Mouse Fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 510-517.	2.1	18
47	The C/EBP family of transcription factors in the liver and other organs. <i>International Journal of Experimental Pathology</i> , 2002, 79, 369-391.	1.3	101
48	Facilitation of adenoviral wild-type p53-induced apoptotic cell death by overexpression of p33ING1 in T.Tn human esophageal carcinoma cells. <i>Oncogene</i> , 2002, 21, 1208-1216.	5.9	42
49	CCAAT/enhancer-binding protein $\beta$ is required for activation of genes for ornithine cycle enzymes by glucocorticoids and glucagon in primary-cultured hepatocytes. <i>FEBS Letters</i> , 2001, 494, 105-111.	2.8	27
50	Mice lacking CCAAT/enhancer-binding protein- $\beta$ show hyperproliferation of alveolar type II cells and increased surfactant protein mRNAs. <i>Cell and Tissue Research</i> , 2001, 306, 57-63.	2.9	39
51	Induction of Endothelial Nitric-oxide Synthase in Rat Brain Astrocytes by Systemic Lipopolysaccharide Treatment. <i>Journal of Biological Chemistry</i> , 2000, 275, 11929-11933.	3.4	102
52	The gene for hepatocyte nuclear factor (HNF)-4 $\beta$ is activated by glucocorticoids and glucagon, and repressed by insulin in rat liver. <i>FEBS Letters</i> , 2000, 478, 141-146.	2.8	35
53	Differential expression of CCAAT enhancer binding protein family in rat alveolar epithelial cell proliferation and in acute lung injury. <i>Cell and Tissue Research</i> , 1999, 297, 261-270.	2.9	41
54	Expression of citrulline $\rightarrow$ nitric oxide cycle in lipopolysaccharide and cytokine-stimulated rat astrogloma C6 cells. <i>Brain Research</i> , 1999, 849, 78-84.	2.2	24

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55	Hyperammonemia: regulation of argininosuccinate synthetase and argininosuccinate lyase genes in aggregating cell cultures of fetal rat brain. <i>Neuroscience Letters</i> , 1999, 266, 89-92.	2.1	45
56	Immunohistochemical localization of arginase II and other enzymes of arginine metabolism in rat kidney and liver. <i>The Histochemical Journal</i> , 1998, 30, 741-751.	0.6	56
57	Precise distribution of neuronal nitric oxide synthase mRNA in the rat brain revealed by non-radioisotopic in situ hybridization. <i>Molecular Brain Research</i> , 1998, 53, 1-12.	2.3	85
58	Hypoglycemia-associated Hyperammonemia Caused by Impaired Expression of Ornithine Cycle Enzyme Genes in C/EBP $\beta$ Knockout Mice. <i>Journal of Biological Chemistry</i> , 1998, 273, 27505-27510.	3.4	66
59	Mechanisms of Transcription in Eosinophils: GATA-1, but not GATA-2, Transactivates the Promoter of the Eosinophil Granule Major Basic Protein Gene. <i>Blood</i> , 1998, 91, 3447-3458.	1.4	70
60	Mechanisms of Transcription in Eosinophils: GATA-1, but not GATA-2, Transactivates the Promoter of the Eosinophil Granule Major Basic Protein Gene. <i>Blood</i> , 1998, 91, 3447-3458.	1.4	5
61	The Glucocorticoid-responsive Gene Cascade. <i>Journal of Biological Chemistry</i> , 1997, 272, 3694-3698.	3.4	87
62	Coinduction of Nitric-oxide Synthase and Arginase I in Cultured Rat Peritoneal Macrophages and Rat Tissues in Vivo by Lipopolysaccharide. <i>Journal of Biological Chemistry</i> , 1997, 272, 3689-3693.	3.4	195
63	Molecular cloning of cDNA for nonhepatic mitochondrial arginase (arginase II) and comparison of its induction with nitric oxide synthase in a murine macrophage-like cell line. <i>The Japanese Journal of Pharmacology</i> , 1997, 75, 85.	1.2	0
64	Molecular cloning of cDNA for nonhepatic mitochondrial arginase (arginase II) and comparison of its induction with nitric oxide synthase in a murine macrophage-like cell line. <i>FEBS Letters</i> , 1996, 395, 119-122.	2.8	214
65	Endoderm-Specific Gene Expression in Embryonic Stem Cells Differentiated to Embryoid Bodies. <i>Experimental Cell Research</i> , 1996, 229, 27-34.	2.6	198
66	CCAAT/Enhancer-Binding Protein beta (C/EBP $\beta$ ) Binds and Activates While Hepatocyte Nuclear Factor-4 (HNF-4) does not Bind but Represses the Liver-Type Arginase Promoter. <i>FEBS Journal</i> , 1996, 236, 500-509.	0.2	32
67	Coinduction of Nitric Oxide Synthase, Argininosuccinate Synthetase, and Argininosuccinate Lyase in Lipopolysaccharide-treated Rats. <i>Journal of Biological Chemistry</i> , 1996, 271, 2658-2662.	3.4	123
68	Preparation of Recombinant Argininosuccinate Synthetase and Argininosuccinate Lyase: Expression of the Enzymes in Rat Tissues. <i>Journal of Biochemistry</i> , 1995, 117, 952-957.	1.7	64
69	Rat Argininosuccinate Lyase Promoter: The Dyad-Symmetric CCAAT Box Sequence CCAATTGG in the Promoter Is Recognized by NF-Y1. <i>Journal of Biochemistry</i> , 1994, 116, 1044-1055.	1.7	15
70	The Delayed Glucocorticoid-Responsive and Hepatoma Cell-Selective Enhancer of the Rat Arginase Gene Is Located around Intron 71. <i>Journal of Biochemistry</i> , 1994, 115, 778-788.	1.7	29
71	Normalization of hair growth in sparse fur-abnormal skin and hair (SPF-ASH) mice by introduction of the rat ornithine transcarbamylase (OTC) gene. <i>Journal of Dermatological Science</i> , 1994, 7, S27-S32.	1.9	5
72	A Novel Ornithine Transcarbamylase Present in Mycoplasma-Infected Myeloma Cells. <i>Enzyme &amp; Protein</i> , 1993, 47, 57-64.	1.4	6

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73	Correction of ornithine transcarbamylase (OTC) deficiency in spf-ash mice by introduction of rat OTC gene. <i>FEBS Letters</i> , 1991, 279, 198-200.	2.8	16
74	Structure and Expression of Genes for Urea Cycle Enzymes. <i>Contributions To Nephrology</i> , 1991, 92, 218-223.	1.1	3
75	Tissue- and developmental stage-specific expression of the rat ornithine carbamoyltransferase gene in transgenic mice. <i>Genesis</i> , 1989, 10, 393-401.	2.1	16
76	Evolutionary aspects of urea cycle enzyme genes. <i>BioEssays</i> , 1989, 10, 163-166.	2.5	46
77	Structure of the Human Ornithine Transcarbamylase Gene1. <i>Journal of Biochemistry</i> , 1988, 103, 302-308.	1.7	124
78	Amino Acid Sequence of Rat Argininosuccinate Lyase Deduced from cDNA1. <i>Journal of Biochemistry</i> , 1988, 103, 177-181.	1.7	39
79	Isolation and Characterization of the Human Ornithine Transcarbamylase Gene: Structure of the 5' End Region1. <i>Journal of Biochemistry</i> , 1986, 100, 717-725.	1.7	39
80	Molecular cloning of cDNA for rat mitochondrial 3-oxoacyl-CoA thiolase. <i>FEBS Journal</i> , 1986, 154, 479-484.	0.2	7
81	Molecular cloning of cDNA for rat mitochondrial 3-hydroxyacyl-CoA dehydrogenase. <i>FEBS Journal</i> , 1986, 156, 9-14.	0.2	8
82	A Simple and Rapid Procedure for High-Yield Isolation of Essentially Undegraded Free and Membrane-Bound Polysomes from Rat Liver12. <i>Journal of Biochemistry</i> , 1985, 97, 1447-1459.	1.7	22
83	Synthesis, intracellular transport and processing of mitochondrial urea cycle enzymes. <i>Advances in Enzyme Regulation</i> , 1983, 21, 121-132.	2.6	3
84	Ornithine transcarbamylase in liver mitochondria. <i>Molecular and Cellular Biochemistry</i> , 1982, 49, 97-111.	3.1	46