

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 | 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 |
| 2 | Endoderm-Specific Gene Expression in Embryonic Stem Cells Differentiated to Embryoid Bodies. <i>Experimental Cell Research</i> , 1996, 229, 27-34. | 2.6 | 198 |
| 3 | 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 |
| 4 | Molecular Classification and Survival Prediction in Human Gliomas Based on Proteome Analysis. <i>Cancer Research</i> , 2004, 64, 2496-2501. | 0.9 | 156 |
| 5 | Structure of the Human Ornithine Transcarbamylase Gene1. <i>Journal of Biochemistry</i> , 1988, 103, 302-308. | 1.7 | 124 |
| 6 | 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 |
| 7 | Cathepsin D Is a Potential Serum Marker for Poor Prognosis in Glioma Patients. <i>Cancer Research</i> , 2005, 65, 5190-5194. | 0.9 | 104 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | The Glucocorticoid-responsive Gene Cascade. <i>Journal of Biological Chemistry</i> , 1997, 272, 3694-3698. | 3.4 | 87 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Hypoglycemia-associated Hyperammonemia Caused by Impaired Expression of Ornithine Cycle Enzyme Genes in C/EBP β Knockout Mice. <i>Journal of Biological Chemistry</i> , 1998, 273, 27505-27510. | 3.4 | 66 |
| 16 | Preparation of Recombinant Argininosuccinate Synthetase and Argininosuccinate Lyase: Expression of the Enzymes in Rat Tissues1. <i>Journal of Biochemistry</i> , 1995, 117, 952-957. | 1.7 | 64 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Ornithine transcarbamylase in liver mitochondria. <i>Molecular and Cellular Biochemistry</i> , 1982, 49, 97-111. | 3.1 | 46 |
| 20 | Evolutionary aspects of urea cycle enzyme genes. <i>BioEssays</i> , 1989, 10, 163-166. | 2.5 | 46 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Gene expression profiles in liver regeneration with oval cell induction. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 370-376. | 2.1 | 40 |
| 25 | Isolation and Characterization of the Human Ornithine Transcarbamylase Gene: Structure of the 5' End Region. <i>Journal of Biochemistry</i> , 1986, 100, 717-725. | 1.7 | 39 |
| 26 | Amino Acid Sequence of Rat Argininosuccinate Lyase Deduced from cDNA. <i>Journal of Biochemistry</i> , 1988, 103, 177-181. | 1.7 | 39 |
| 27 | Mice lacking CCAAT/enhancer-binding protein- γ 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | The gene for hepatocyte nuclear factor (HNF)-4 β is activated by glucocorticoids and glucagon, and repressed by insulin in rat liver. <i>FEBS Letters</i> , 2000, 478, 141-146. | 2.8 | 35 |
| 31 | 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 |
| 32 | CCAAT/Enhancer-Binding Protein beta (C/EBPbeta) 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 |
| 33 | Identification of a novel SEREX antigen family, ECSA, in esophageal squamous cell carcinoma. <i>Proteome Science</i> , 2011, 9, 31. | 1.7 | 32 |
| 34 | 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 |
| 35 | 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 |
| 36 | Identification of Makorin 1 as a novel SEREX antigen of esophageal squamous cell carcinoma. <i>BMC Cancer</i> , 2009, 9, 232. | 2.6 | 29 |

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|----|---|-----|-----------|
| 37 | Serum anti-myomegalin antibodies in patients with esophageal squamous cell carcinoma. <i>International Journal of Oncology</i> , 2007, 30, 97-103. | 3.3 | 29 |
| 38 | 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 |
| 39 | CCAAT/enhancer-binding protein β 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | Expression of citrulline-nitric oxide cycle in lipopolysaccharide and cytokine-stimulated rat astrogloma C6 cells. <i>Brain Research</i> , 1999, 849, 78-84. | 2.2 | 24 |
| 44 | Circulating anti-filamin C autoantibody as a potential serum biomarker for low-grade gliomas. <i>BMC Cancer</i> , 2014, 14, 452. | 2.6 | 24 |
| 45 | 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 |
| 46 | A Simple and Rapid Procedure for High-Yield Isolation of Essentially Undegraded Free and Membrane-Bound Polysomes from Rat Liver. <i>Journal of Biochemistry</i> , 1985, 97, 1447-1459. | 1.7 | 22 |
| 47 | 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 |
| 48 | Regulation of Transformed State by Calpastatin via PKC μ in NIH3T3 Mouse Fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 510-517. | 2.1 | 18 |
| 49 | Elevation of autoantibody level against PDCD11 in patients with transient ischemic attack. <i>Oncotarget</i> , 2018, 9, 8836-8848. | 1.8 | 18 |
| 50 | Serological identification of tumor antigens of esophageal squamous cell carcinoma. <i>International Journal of Oncology</i> , 2005, 26, 77-86. | 3.3 | 18 |
| 51 | 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 |
| 52 | Serum anti-myomegalin antibodies in patients with esophageal squamous cell carcinoma. <i>International Journal of Oncology</i> , 2007, 30, 97. | 3.3 | 17 |
| 53 | Novel autoantibodies against the proteasome subunit PSMA7 in amyotrophic lateral sclerosis. <i>Journal of Neuroimmunology</i> , 2018, 325, 54-60. | 2.3 | 17 |
| 54 | 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 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | Calpain regulates thymidylate synthase-5-fluoro-dUMP complex levels associated with response to 5-fluorouracil in gastric cancer cells. <i>Cancer Science</i> , 2011, 102, 1509-1515. | 3.9 | 12 |
| 62 | Elevation of Autoantibody in Patients with Ischemic Stroke. <i>Neurologia Medico-Chirurgica</i> , 2018, 58, 303-310. | 2.2 | 12 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | Drug-sensitivity pattern analysis for study of functional relationship between gene products. <i>FEBS Letters</i> , 2003, 552, 177-183. | 2.8 | 9 |
| 68 | 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 |
| 69 | Molecular cloning of cDNA for rat mitochondrial 3-hydroxyacyl-CoA dehydrogenase. <i>FEBS Journal</i> , 1986, 156, 9-14. | 0.2 | 8 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

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|----|---|-----|-----------|
| 73 | Molecular cloning of cDNA for rat mitochondrial 3-oxoacyl-CoA thiolase. FEBS Journal, 1986, 154, 479-484. | 0.2 | 7 |
| 74 | Proteome-based identification of molecular markers predicting chemosensitivity to each category of anticancer agents in human gliomas. International Journal of Oncology, 2005, 26, 993. | 3.3 | 7 |
| 75 | Systemic oscillator-driven and nutrient-responsive hormonal regulation of daily expression rhythms for gluconeogenic enzyme genes in the mouse liver. Chronobiology International, 2019, 36, 591-615. | 2.0 | 7 |
| 76 | A Novel Ornithine Transcarbamylase Present in Mycoplasma-Infected Myeloma Cells. Enzyme & Protein, 1993, 47, 57-64. | 1.4 | 6 |
| 77 | Normalization of hair growth in sparse fur-abnormal skin and hair (SPF-ASH) mice by introduction of the rat ornithine transcarbamylase (OTC) gene. Journal of Dermatological Science, 1994, 7, S27-S32. | 1.9 | 5 |
| 78 | Mechanisms of Transcription in Eosinophils: GATA-1, but not GATA-2, Transactivates the Promoter of the Eosinophil Granule Major Basic Protein Gene. Blood, 1998, 91, 3447-3458. | 1.4 | 5 |
| 79 | Decrease in chemosensitivity against anticancer drugs by an esophageal squamous cell carcinoma SEREX antigen, AISEC. International Journal of Oncology, 2009, 34, 641-8. | 3.3 | 4 |
| 80 | Synthesis, intracellular transport and processing of mitochondrial urea cycle enzymes. Advances in Enzyme Regulation, 1983, 21, 121-132. | 2.6 | 3 |
| 81 | Structure and Expression of Genes for Urea Cycle Enzymes. Contributions To Nephrology, 1991, 92, 218-223. | 1.1 | 3 |
| 82 | Efficient Subtractive Cloning of Genes Activated by Lipopolysaccharide and Interferon \hat{I}^3 in Primary-Cultured Cortical Cells of Newborn Mice. PLoS ONE, 2013, 8, e79236. | 2.5 | 1 |
| 83 | 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. The Japanese Journal of Pharmacology, 1997, 75, 85. | 1.2 | 0 |
| 84 | Stimulation of p53 Transactivation Ability by Nicastrin in Mouse Fibroblasts. SRX Biology, 2010, 2010, 1-10. | 0.0 | 0 |