

Takashi Masuko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3549519/publications.pdf>

Version: 2024-02-01

83
papers

3,094
citations

279487

23
h-index

161609

54
g-index

88
all docs

88
docs citations

88
times ranked

4210
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | CD44 Variant Regulates Redox Status in Cancer Cells by Stabilizing the xCT Subunit of System xc ⁺ and Thereby Promotes Tumor Growth. <i>Cancer Cell</i> , 2011, 19, 387-400. | 7.7 | 1,020 |
| 2 | Alternative splicing of CD44 mRNA by ESRP1 enhances lung colonization of metastatic cancer cell. <i>Nature Communications</i> , 2012, 3, 883. | 5.8 | 324 |
| 3 | xCT Inhibition Depletes CD44v-Expressing Tumor Cells That Are Resistant to EGFR-Targeted Therapy in Head and Neck Squamous Cell Carcinoma. <i>Cancer Research</i> , 2013, 73, 1855-1866. | 0.4 | 163 |
| 4 | CD44 ⁺ slow-cycling tumor cell expansion is triggered by cooperative actions of Wnt and prostaglandin E ₂ in gastric tumorigenesis. <i>Cancer Science</i> , 2010, 101, 673-678. | 1.7 | 130 |
| 5 | The EGF Receptor Promotes the Malignant Potential of Glioma by Regulating Amino Acid Transport System xc ⁻ . <i>Cancer Research</i> , 2016, 76, 2954-2963. | 0.4 | 84 |
| 6 | Functional role of CD44v ⁺ xCT ⁻ system in the development of spasmodic polypeptide-expressing metaplasia. <i>Cancer Science</i> , 2013, 104, 1323-1329. | 1.7 | 78 |
| 7 | In vivo evidence that protease-activated receptors 1 and 2 modulate gastrointestinal transit in the mouse. <i>British Journal of Pharmacology</i> , 2001, 133, 1213-1218. | 2.7 | 71 |
| 8 | A monoclonal antibody against human colon cancers.. <i>Tohoku Journal of Experimental Medicine</i> , 1986, 148, 353-360. | 0.5 | 67 |
| 9 | Malignant Transformation of NIH3T3 Cells by Overexpression of Early Lymphocyte Activation Antigen CD98. <i>Biochemical and Biophysical Research Communications</i> , 1999, 262, 720-725. | 1.0 | 63 |
| 10 | CD44 variant-dependent redox status regulation in liver fluke-associated cholangiocarcinoma: A target for cholangiocarcinoma treatment. <i>Cancer Science</i> , 2016, 107, 991-1000. | 1.7 | 57 |
| 11 | A Murine Monoclonal Antibody that Recognizes an Extracellular Domain of the Human c-erbB-2 Protooncogene Product. <i>Japanese Journal of Cancer Research</i> , 1989, 80, 10-14. | 1.7 | 47 |
| 12 | Glutaminolysis-related genes determine sensitivity to xCT-targeted therapy in head and neck squamous cell carcinoma. <i>Cancer Science</i> , 2019, 110, 3453-3463. | 1.7 | 45 |
| 13 | Transformation of BALB3T3 cells caused by over-expression of rat CD98 heavy chain (HC) requires its association with light chain: Mis-sense mutation in a cysteine residue of CD98HC eliminates its transforming activity. <i>International Journal of Cancer</i> , 2000, 87, 311-316. | 2.3 | 43 |
| 14 | Significance of integrin α 2 β 5 and erbB3 in enhanced cell migration and liver metastasis of colon carcinomas stimulated by hepatocyte-derived heregulin. <i>Cancer Science</i> , 2010, 101, 2011-2018. | 1.7 | 34 |
| 15 | Anti-Tumor Effect against Human Cancer Xenografts by a Fully Human Monoclonal Antibody to a Variant 8-Epitope of CD44R1 Expressed on Cancer Stem Cells. <i>PLoS ONE</i> , 2012, 7, e29728. | 1.1 | 33 |
| 16 | The Cell Surface Protein Geneecm33+Is a Target of the Two Transcription Factors Atf1 and Mbx1 and Negatively Regulates Pmk1 MAPK Cell Integrity Signaling in Fission Yeast. <i>Molecular Biology of the Cell</i> , 2010, 21, 674-685. | 0.9 | 32 |
| 17 | Oncogenicity of L-type amino-acid transporter 1 (LAT1) revealed by targeted gene disruption in chicken DT40 cells: LAT1 is a promising molecular target for human cancer therapy. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 649-655. | 1.0 | 31 |
| 18 | Imaging the L-Type Amino Acid Transporter-1 (LAT1) with Zr-89 ImmunoPET. <i>PLoS ONE</i> , 2013, 8, e77476. | 1.1 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Human C-ERBB-2 proto-oncogene product as a target for bispecific-antibody-directed adoptive tumor immunotherapy. <i>International Journal of Cancer</i> , 1992, 50, 800-804. | 2.3 | 30 |
| 20 | Production and characterization of highly tumor-specific rat monoclonal antibodies recognizing the extracellular domain of human L-type amino-acid transporter 1. <i>Cancer Science</i> , 2008, 99, 1000-1007. | 1.7 | 30 |
| 21 | Homotypic Adhesion through Carcinoembryonic Antigen Plays a Role in Hepatic Metastasis Development. <i>Japanese Journal of Cancer Research</i> , 1998, 89, 177-185. | 1.7 | 28 |
| 22 | Development of an ErbB4 monoclonal antibody that blocks neuregulin-1-induced ErbB4 activation in cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 239-244. | 1.0 | 27 |
| 23 | Endothelial "Mesenchymal Transition Drives Expression of CD44 Variant and xCT in Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 367-379. | 1.4 | 27 |
| 24 | Enhanced tumorigenicity caused by truncation of the extracellular domain of GP125/CD98 heavy chain. <i>Oncogene</i> , 2000, 19, 6209-6215. | 2.6 | 26 |
| 25 | Anti-tumor effects of an antagonistic mAb against the ASCT2 amino acid transporter on KRAS-mutated human colorectal cancer cells. <i>Cancer Medicine</i> , 2020, 9, 302-312. | 1.3 | 25 |
| 26 | Binding of Serum Albumin on Tumor Cells and Characterization of the Albumin Binding Protein. <i>Journal of Biochemistry</i> , 1994, 115, 898-903. | 0.9 | 24 |
| 27 | Inhibition of tumor formation and metastasis by a monoclonal antibody against lymphatic vessel endothelial hyaluronan receptor 1. <i>Cancer Science</i> , 2018, 109, 3171-3182. | 1.7 | 24 |
| 28 | Anti-tumor effects of mAb against L-type amino acid transporter 1 (LAT1) bound to human and monkey LAT1 with dual avidity modes. <i>Cancer Science</i> , 2019, 110, 674-685. | 1.7 | 24 |
| 29 | Epigenomic Profiling Discovers Trans-lineage SOX2 Partnerships Driving Tumor Heterogeneity in Lung Squamous Cell Carcinoma. <i>Cancer Research</i> , 2019, 79, 6084-6100. | 0.4 | 24 |
| 30 | Monoclonal antibody (5F3) defining renal cell carcinoma-associated antigen disialosyl globopentaosylceramide (V3NeuAcIV6NeuAcGb5), and distribution pattern of the antigen in tumor and normal tissues. <i>Glycoconjugate Journal</i> , 2001, 18, 475-485. | 1.4 | 23 |
| 31 | Monoamines directly inhibit N-methyl-D-aspartate receptors expressed in <i>Xenopus</i> oocytes in a voltage-dependent manner. <i>Neuroscience Letters</i> , 2004, 371, 30-33. | 1.0 | 22 |
| 32 | Organ Selective Induction of Cytochrome P-448 Isozymes in the Rat by 2-Methoxy-4-Aminoazobenzene and 3-Methylcholanthrene. <i>Journal of Biochemistry</i> , 1987, 101, 1437-1445. | 0.9 | 20 |
| 33 | Towards therapeutic antibodies to membrane oncoproteins by a robust strategy using rats immunized with transfectants expressing target molecules fused to green fluorescent protein. <i>Cancer Science</i> , 2011, 102, 25-35. | 1.7 | 20 |
| 34 | Immuno-PET Imaging of HER3 in a Model in which HER3 Signaling Plays a Critical Role. <i>PLoS ONE</i> , 2015, 10, e0143076. | 1.1 | 20 |
| 35 | Identification of ACA28, a 2-acetoxychavicol acetate analogue compound, as a novel modulator of ERK MAPK signaling, which preferentially kills human melanoma cells. <i>Genes To Cells</i> , 2017, 22, 608-618. | 0.5 | 19 |
| 36 | Strain Differences in Susceptibility to 2-Acetylaminofluorene and Phenobarbital Promotion of Hepatocarcinogenesis: Immunohistochemical Analysis of Cytochrome P-450 Isozyme Induction by 2-Acetylaminofluorene and Phenobarbital. <i>Japanese Journal of Cancer Research</i> , 1989, 80, 1041-1046. | 1.7 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Phage Display Cloning and Characterization of Monoclonal Antibody Genes and Recombinant Fab Fragment against the CD98 Oncoprotein. Japanese Journal of Cancer Research, 2001, 92, 1313-1321. | 1.7 | 15 |
| 38 | Promotion of malignant phenotype after disruption of the three-dimensional structure of cultured spheroids from colorectal cancer. Oncotarget, 2018, 9, 15968-15983. | 0.8 | 15 |
| 39 | In vitro Targeting and Cytotoxicity of Adriamycin in Liposomes Bearing Monoclonal Antibody against Rat or Human gp125 Cell Proliferation-associated Antigen. Japanese Journal of Cancer Research, 1989, 80, 380-386. | 1.7 | 14 |
| 40 | Antitumor effects of novel mAbs against cationic amino acid transporter 1 (CAT1) on human CRC with amplified CAT1 gene. Cancer Science, 2021, 112, 563-574. | 1.7 | 14 |
| 41 | Intracellular Localization of UDP-Glucuronosyltransferase Expressed from the Transfected cDNA in Cultured Cells.. Cell Structure and Function, 1993, 18, 41-51. | 0.5 | 11 |
| 42 | Molecular Structural and Functional Characterization of Tumor Suppressive Anti-ErbB-2 Monoclonal Antibody by Phage Display System. Journal of Biochemistry, 2003, 133, 239-245. | 0.9 | 11 |
| 43 | Cyclophane and acyclic cyclophane: Novel channel blockers of N-methyl-D-aspartate receptor. Neurochemistry International, 2007, 50, 443-449. | 1.9 | 11 |
| 44 | Negative regulation of amino acid signaling by MAPK-regulated 4F2hc/Girdin complex. PLoS Biology, 2018, 16, e2005090. | 2.6 | 11 |
| 45 | Novel functional anti-HER3 monoclonal antibodies with potent anti-cancer effects on various human epithelial cancers. Oncotarget, 2020, 11, 31-45. | 0.8 | 11 |
| 46 | Appearance of a Proliferation-Associated Antigen, gp125, on Rat and Human Lymphocytes by Co-Stimulation with Phorbol Ester and Calcium Ionophore 1. Journal of Biochemistry, 1988, 103, 644-649. | 0.9 | 10 |
| 47 | Identification of Truncated Human Glutamate Transporter.. Tohoku Journal of Experimental Medicine, 1999, 187, 173-182. | 0.5 | 10 |
| 48 | Antibody epitope peptides as potential inducers of IgG antibodies against CD98 oncoprotein. Cancer Science, 2009, 100, 126-131. | 1.7 | 10 |
| 49 | N1-Nonyl-1,4-diaminobutane ameliorates brain infarction size in photochemically induced thrombosis model mice. Neuroscience Letters, 2018, 672, 118-122. | 1.0 | 10 |
| 50 | Selective targeting of multiple myeloma cells with a monoclonal antibody recognizing the ubiquitous protein CD98 heavy chain. Science Translational Medicine, 2022, 14, eaax7706. | 5.8 | 10 |
| 51 | Cell death-inducing monoclonal antibodies raised against DT40 tumor cells: Identification of chicken transferrin receptor as a novel cell death receptor. Cancer Science, 2008, 99, 894-900. | 1.7 | 9 |
| 52 | NIH3T3 cells overexpressing CD98 heavy chain resist early G1 arrest and apoptosis induced by serum starvation. Cancer Science, 2012, 103, 1460-1466. | 1.7 | 9 |
| 53 | Design and Synthesis of a Novel Water-Soluble NMDA Receptor Antagonist with a 1,4,7,10-Tetraazacyclododecane Group. Chemical and Pharmaceutical Bulletin, 2005, 53, 444-447. | 0.6 | 8 |
| 54 | Identification of cell proliferation-associated epitope on CD98 oncoprotein using phage display random peptide library. Cancer Science, 2007, 98, 1696-1700. | 1.7 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Antagonism of NMDA receptors by butanesulfonyl-homospermine guanidine and neuroprotective effects in in vitro and in vivo. <i>Neuroscience Letters</i> , 2012, 506, 251-255. | 1.0 | 8 |
| 56 | Oncogenic transformation of NIH/3T3 cells by the overexpression of L-type amino acid transporter 1, a promising anti-cancer target. <i>Oncotarget</i> , 2021, 12, 1256-1270. | 0.8 | 8 |
| 57 | Simultaneous induction of apoptotic, autophagic, and necrosis-like cell death by monoclonal antibodies recognizing chicken transferrin receptor. <i>Biochemical and Biophysical Research Communications</i> , 2008, 367, 775-781. | 1.0 | 7 |
| 58 | Release of Esterase from Murine Lymphokine-activated Killer Cells in Antibody-dependent Cellular Cytotoxic Reaction. <i>Japanese Journal of Cancer Research</i> , 1991, 82, 206-212. | 1.7 | 6 |
| 59 | Specific targeting of <i>in vitro</i> -activated human antitumor effector cells using anti-CD3 $\bar{\text{A}}$ -anti-erbB $\bar{\text{2}}$ bispecific antibody. <i>Immunology and Cell Biology</i> , 1993, 71, 109-115. | 1.0 | 6 |
| 60 | Cleft-type cyclophanes confer neuroprotection against excitatory neurotoxicity in vitro and in vivo through inhibition of NMDA receptors. <i>Neuropharmacology</i> , 2007, 53, 515-523. | 2.0 | 6 |
| 61 | Neuroprotection by Tosyl-Polyamine Derivatives through the Inhibition of Ionotropic Glutamate Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 522-530. | 1.3 | 6 |
| 62 | Identification of anti-CD 98 antibody mimotopes for inducing antibodies with antitumor activity by mimotope immunization. <i>Cancer Science</i> , 2014, 105, 396-401. | 1.7 | 6 |
| 63 | Increase in murine monoclonal-antibody-defined urinary antigens in patients with bladder cancer and benign urogenital disease. <i>International Journal of Cancer</i> , 1989, 44, 582-588. | 2.3 | 5 |
| 64 | Changes in the Quantity and Activity of Cytochrome P-450 Isozymes in Primary Cultured Rat Hepatocytes. <i>Japanese Journal of Cancer Research</i> , 1989, 80, 126-131. | 1.7 | 5 |
| 65 | Production and characterization of monoclonal antibodies against trypanosoma cruzi-associated antigens.. <i>Tohoku Journal of Experimental Medicine</i> , 1989, 159, 313-321. | 0.5 | 5 |
| 66 | Immunohistochemical Analysis of c-myc Oncogene Product and Epidermal Growth Factor Receptor Expression in Human Urinary Bladder Carcinomas. <i>Pathology International</i> , 1990, 40, 322-326. | 0.6 | 5 |
| 67 | Derivation and Application of Monoclonal Antibodies Recognizing Several Epitopes on Bovine Serum Albumin.. <i>Tohoku Journal of Experimental Medicine</i> , 1994, 172, 345-353. | 0.5 | 5 |
| 68 | Immunohistochemical expression and pathogenesis of BLM in the human brain and visceral organs. <i>Neuropathology</i> , 2001, 21, 123-128. | 0.7 | 5 |
| 69 | A microtestplate-immunofluorescence assay for anti-Trypanosoma cruzi antibodies.. <i>Tohoku Journal of Experimental Medicine</i> , 1989, 159, 307-312. | 0.5 | 3 |
| 70 | Pre-Kupffer Like CD4/CD8 Double Positive Mononuclear Cells Present in Rat Liver. <i>Journal of Biochemistry</i> , 1994, 115, 904-908. | 0.9 | 3 |
| 71 | Synthesis of a novel water-soluble NMDA receptor antagonist. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 383-387. | 1.4 | 3 |
| 72 | Synthesis of Water-Soluble Polyamine Derivatives Effective as N-Methyl-D-aspartate Receptor Antagonists. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 862-867. | 0.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Cell Surface Antigens in Normal and Neoplastic Urinary Bladder Epithelial Cells of the Rat<xref ref-type="fn" rid="FN2">2</xref>. Journal of the National Cancer Institute, 1981, , . | 3.0 | 2 |
| 74 | Localization of antigen defined by anti-scirrhou gastric carcinoma monoclonal antibody S202 in fixed human cancer tissues. Gastroenterologia Japonica, 1988, 23, 619-623. | 0.4 | 2 |
| 75 | Differential effects of linear and cyclic polyamines on NMDA receptor activities. Neurochemistry International, 2008, 53, 38-44. | 1.9 | 2 |
| 76 | Altered binding avidities and improved growth inhibitory effects of novel anti-HER3 mAb against human cancers in the presence of HER1-or HER2-targeted drugs. Biochemical and Biophysical Research Communications, 2021, 576, 59-65. | 1.0 | 2 |
| 77 | Identification and Immunological Characterization of a Novel 40-kDa Protein Linked to CD98 Antigen.. Cell Structure and Function, 1999, 24, 217-226. | 0.5 | 2 |
| 78 | A tumor-associated antigen in the scirrhou gastric carcinoma cell line MK-01 defined by monoclonal antibody S202. The Japanese Journal of Surgery, 1989, 19, 452-458. | 0.2 | 1 |
| 79 | Scirrhou carcinoma cell invasion into the stomach wall detected by monoclonal antibody S202: A comparison between immunoperoxidase and hematoxylin-eosin stain.. Tohoku Journal of Experimental Medicine, 1989, 157, 137-144. | 0.5 | 1 |
| 80 | Increase in Colony Stimulating Factor(CSF) in serum and augmentation of CSF responsiveness of lymphoid mononuclear cells by acute Trypanosoma cruzi infection in mice.. Tohoku Journal of Experimental Medicine, 1990, 160, 67-79. | 0.5 | 1 |
| 81 | Synthesis of a Novel Water-Soluble Cleft-Type Cyclophane as an N-Methyl-D-aspartate Receptor Antagonist. Chemical and Pharmaceutical Bulletin, 2009, 57, 95-98. | 0.6 | 1 |
| 82 | In Vitro Tumor Cell-Binding Assay to Select High-Binding Antibody and Predict Therapy Response for Personalized ⁶⁴ Cu-Intraperitoneal Radioimmunotherapy against Peritoneal Dissemination of Pancreatic Cancer: A Feasibility Study. International Journal of Molecular Sciences, 2022, 23, 5807. | 1.8 | 1 |
| 83 | Saikokaryukotsuboreito during pregnancy protects rat neonates from maternal cannibalism and death in a neurolethyrism experimental model. Traditional & Kampo Medicine, 2016, 3, 107-111. | 0.2 | 0 |