

Mitsuyoshi Yoshimoto

List of Publications by Year in descending order

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56
papers

1,262
citations

430874

18
h-index

377865

34
g-index

56
all docs

56
docs citations

56
times ranked

1593
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5807.	4.1	1
2	Protection from contamination by ^{211}At , an enigmatic but promising alpha-particle-emitting radionuclide. <i>EJNMMI Physics</i> , 2022, 9, .	2.7	4
3	Radiological protection and biological COVID-19 protection in the nuclear medicine department. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 6-8.	6.4	6
4	Usefulness of PET-guided surgery with ^{64}Cu -labeled cetuximab for resection of intrapancreatic residual tumors in a xenograft mouse model of resectable pancreatic cancer. <i>Nuclear Medicine Communications</i> , 2021, 42, 1112-1121.	1.1	3
5	Evaluation of Aminopolycarboxylate Chelators for Whole-Body Clearance of Free ^{225}Ac : A Feasibility Study to Reduce Unexpected Radiation Exposure during Targeted Alpha Therapy. <i>Pharmaceutics</i> , 2021, 13, 1706.	4.5	3
6	Immuno-OpenPET: a novel approach for early diagnosis and image-guided surgery for small resectable pancreatic cancer. <i>Scientific Reports</i> , 2020, 10, 4143.	3.3	11
7	Imaging and Therapy Against Hypoxic Tumors with ^{64}Cu -ATSM. , 2020, , 285-292.		0
8	Synthesis and characterization of novel radiofluorinated probes for positron emission tomography imaging of monoamine oxidase B. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 580-587.	1.0	11
9	^{64}Cu -Intraperitoneal Radioimmunotherapy: A Novel Approach for Adjuvant Treatment in a Clinically Relevant Preclinical Model of Pancreatic Cancer. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1437-1443.	5.0	27
10	Development of a ^{38}K -selective radioactive probe for qualitative diagnosis of cancer using SPECT. <i>Annals of Nuclear Medicine</i> , 2019, 33, 333-343.	2.2	3
11	Non-invasive estimation of ^{10}B -boron concentration in tumors by PET using ^{18}F -fluoro-phenylalanine. <i>Cancer Science</i> , 2018, 9, 109, 1617-1626.		18
12	Multiple Administrations of ^{64}Cu -ATSM as a Novel Therapeutic Option for Glioblastoma: a Translational Study Using Mice with Xenografts. <i>Translational Oncology</i> , 2018, 11, 24-30.	3.7	27
13	Integrated treatment using intraperitoneal radioimmunotherapy and positron emission tomography-guided surgery with ^{64}Cu -labeled cetuximab to treat early- and late-phase peritoneal dissemination in human gastrointestinal cancer xenografts. <i>Oncotarget</i> , 2018, 9, 28935-28950.	1.8	17
14	Relationship between ^{14}C MeAIB uptake and amino acid transporter family gene expression levels or proliferative activity in a pilot study in human carcinoma cells: Comparison with ^3H methionine uptake. <i>Nuclear Medicine and Biology</i> , 2017, 49, 8-15.	0.6	6
15	^{64}Cu -ATSM internal radiotherapy to treat tumors with bevacizumab-induced vascular decrease and hypoxia in human colon carcinoma xenografts. <i>Oncotarget</i> , 2017, 8, 88815-88826.	1.8	10
16	^{64}Cu -ATSM therapy targets regions with activated DNA repair and enrichment of CD133+ cells in an HT-29 tumor model: Sensitization with a nucleic acid antimetabolite. <i>Cancer Letters</i> , 2016, 376, 74-82.	7.2	24
17	Theragnostic Imaging Using Radiolabeled Antibodies and Tyrosine Kinase Inhibitors. <i>Scientific World Journal</i> , The, 2015, 2015, 1-6.	2.1	8
18	Synthesis and evaluation of ^{18}F -(3-[^{18}F]fluoropropyl) estradiol. <i>Nuclear Medicine and Biology</i> , 2015, 42, 590-597.	0.6	7

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19	Controlled Administration of Penicillamine Reduces Radiation Exposure in Critical Organs during ⁶⁴ Cu-ATSM Internal Radiotherapy: A Novel Strategy for Liver Protection. PLoS ONE, 2014, 9, e86996.	2.5	20
20	Correlation of ¹⁸ F-BPA and ¹⁸ F-FDG uptake in head and neck cancers. Radiotherapy and Oncology, 2014, 113, 193-197.	0.6	22
21	Monitoring of Gefitinib Sensitivity with Radioiodinated PHY Based on EGFR Expression. Biological and Pharmaceutical Bulletin, 2014, 37, 355-360.	1.4	5
22	SPECT/CT of lung nodules using ¹¹¹ In-DOTA-c(RGDfK) in a mouse lung carcinogenesis model. Annals of Nuclear Medicine, 2013, 27, 640-647.	2.2	3
23	A useful EGFR-TK ligand for tumor diagnosis with SPECT: development of radioiodinated 6-(3-morpholinopropoxy)-7-ethoxy-4-(3-iodophenoxy)quinazoline. Annals of Nuclear Medicine, 2013, 27, 431-443.	2.2	8
24	Predominant contribution of L-type amino acid transporter to 4-borono-2- ¹⁸ F-fluoro-phenylalanine uptake in human glioblastoma cells. Nuclear Medicine and Biology, 2013, 40, 625-629.	0.6	47
25	In Vivo SPECT Imaging with ¹¹¹ In-DOTA-c(RGDfK) to Detect Early Pancreatic Cancer in a Hamster Pancreatic Carcinogenesis Model. Journal of Nuclear Medicine, 2012, 53, 765-771.	5.0	12
26	Synthesis and evaluation of radioiodinated phenoxyquinazoline and benzylaminoquinazoline derivatives as new EGF receptor tyrosine kinase imaging ligands for tumor diagnosis using SPECT. Annals of Nuclear Medicine, 2012, 26, 381-389.	2.2	4
27	High resolution SPECT imaging for visualization of intratumoral heterogeneity using a SPECT/CT scanner dedicated for small animal imaging. Annals of Nuclear Medicine, 2012, 26, 67-76.	2.2	31
28	Novel immunohistochemical marker, integrin α 2 β 3, for BOP-induced early lesions in hamster pancreatic ductal carcinogenesis. Oncology Letters, 2011, 2, 229-234.	1.8	5
29	Evaluation of radioiodinated quinazoline derivative as a new ligand for EGF receptor tyrosine kinase activity using SPECT. Annals of Nuclear Medicine, 2011, 25, 117-124.	2.2	10
30	Putative Transport Mechanism and Intracellular Fate of <i>Trans</i> - ¹⁸ F-Fluorocyclobutanecarboxylic Acid in Human Prostate Cancer. Journal of Nuclear Medicine, 2011, 52, 822-829.	5.0	130
31	Comparison of the transcellular transport of FDG and D-glucose by the kidney epithelial cell line, LLC-PK1. Nuclear Medicine Communications, 2010, 31, 141-146.	1.1	13
32	Imaging study of pancreatic ductal adenocarcinomas in Syrian hamsters using X-ray micro-computed tomography (CT). Cancer Science, 2010, 101, 1761-1766.	3.9	6
33	Evaluation of radioiodinated vesamicol analogs for sigma receptor imaging in tumor and radionuclide receptor therapy. Cancer Science, 2009, 100, 2188-2192.	3.9	31
34	Serum protein binding displacement: theoretical analysis using a hypothetical radiopharmaceutical and experimental analysis with ¹²³ I-N-isopropyl-p-iodoamphetamine. Nuclear Medicine and Biology, 2009, 36, 99-106.	0.6	7
35	Development of [⁹⁰ Y]DOTA-conjugated bisphosphonate for treatment of painful bone metastases. Nuclear Medicine and Biology, 2009, 36, 129-135.	0.6	52
36	Differential expression of Fos and Zif268 in the nigrostriatal system after methamphetamine administration in a rat model of Parkinson's disease. Synapse, 2008, 62, 920-926.	1.2	3

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37	Integrin α 6 targeting radionuclide therapy and imaging with monomeric RGD peptide. <i>International Journal of Cancer</i> , 2008, 123, 709-715.	5.1	56
38	Influences of haemodialysis on the binding sites of human serum albumin: possibility of an efficacious administration plan using binding inhibition. <i>Nephrology Dialysis Transplantation</i> , 2008, 23, 2304-2310.	0.7	23
39	Transport of d-[1- ¹⁴ C]-amino acids into Chinese hamster ovary (CHO-K1) cells: implications for use of labeled d-amino acids as molecular imaging agents. <i>Nuclear Medicine and Biology</i> , 2007, 34, 659-665.	0.6	11
40	Pharmacokinetics of 3-[¹²⁵ I]iodo-L-methyl-L-tyrosine, a tumor imaging agent, after probenecid loading in mice implanted with colon cancer DLD-1 cells. <i>Nuclear Medicine and Biology</i> , 2007, 34, 1003-1008.	0.6	14
41	Radioiodinated VEGF to image tumor angiogenesis in a LS180 tumor xenograft model. <i>Nuclear Medicine and Biology</i> , 2006, 33, 963-969.	0.6	40
42	Detection of maleate-induced Fanconi syndrome by decreasing accumulation of [¹²⁵ I]-3-iodo-L-methyl-L-tyrosine in the proximal tubule segment-1 region of renal cortex in mice: A trial of separate evaluation of reabsorption. <i>Annals of Nuclear Medicine</i> , 2006, 20, 175-181.	2.2	5
43	Alteration of striatal [¹¹ C]raclopride and 6-[¹⁸ F]fluoro-L-3,4-dihydroxyphenylalanine uptake precedes development of methamphetamine-induced rotation following unilateral 6-hydroxydopamine lesions of medial forebrain bundle in rats. <i>Neuroscience Letters</i> , 2005, 389, 30-34.	2.1	14
44	Radiolabeled choline as a proliferation marker: Comparison with radiolabeled acetate. <i>Nuclear Medicine and Biology</i> , 2004, 31, 859-865.	0.6	101
45	Intra-tumoral distribution of ⁶⁴ Cu-ATSM: a comparison study with FDG. <i>Nuclear Medicine and Biology</i> , 2003, 30, 529-534.	0.6	55
46	Synthesis and Characterization of Radioiodinated MD-230254: A New Ligand for Potential Imaging of Monoamine Oxidase B Activity by Single Photon Emission Computed Tomography.. <i>Chemical and Pharmaceutical Bulletin</i> , 2002, 50, 609-614.	1.3	10
47	Synthesis and Characterization of Radioiodinated MD-230254: A New Ligand for Potential Imaging of Monoamine Oxidase B Activity by Single Photon Emission Computed Tomography.. <i>ChemInform</i> , 2002, 33, 148-148.	0.0	0
48	Characterization of acetate metabolism in tumor cells in relation to cell proliferation: Acetate metabolism in tumor cells. <i>Nuclear Medicine and Biology</i> , 2001, 28, 117-122.	0.6	235
49	Age-Related Changes in Energy Production in Fresh Senescence-Accelerated Mouse Brain Slices as Revealed by Positron Autoradiography. <i>Dementia and Geriatric Cognitive Disorders</i> , 2001, 12, 78-84.	1.5	10
50	Greater Resistance and Lower Contribution of Free Radicals to Hypoxic Neurotoxicity in Immature Rat Brain Compared to Adult Brain as Revealed by Dynamic Changes in Glucose Metabolism. <i>Developmental Neuroscience</i> , 2001, 23, 412-419.	2.0	7
51	Dynamic changes in glucose metabolism accompanying the expression of the neural phenotype after differentiation in PC12 cells. <i>Brain Research</i> , 2001, 894, 88-94.	2.2	13
52	Hypoxic but Not Ischemic Neurotoxicity of Free Radicals Revealed by Dynamic Changes in Glucose Metabolism of Fresh Rat Brain Slices on Positron Autoradiography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 350-358.	4.3	27
53	Neurotoxicity after hypoxia/during ischemia due to glutamate with/without free radicals as revealed by dynamic changes in glucose metabolism. <i>Brain Research</i> , 2000, 865, 259-263.	2.2	5
54	Posthypoxic Reoxygenation-Induced Neurotoxicity Prevented by Free Radical Scavenger and NMDA/non-NMDA Antagonist in Tandem as Revealed by Dynamic Changes in Glucose Metabolism with Positron Autoradiography. <i>Experimental Neurology</i> , 2000, 164, 269-279.	4.1	9

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55	Dynamic changes in glucose metabolism induced by thiamine deficiency and its replenishment as revealed by a positron autoradiography technique using rat living brain slices. Journal of the Neurological Sciences, 1999, 164, 29-36.	0.6	15
56	Dynamic changes in glucose metabolism by lactate loading as revealed by a positron autoradiography technique using rat living brain slices. Neuroscience Letters, 1998, 249, 155-158.	2.1	17