

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
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56
all docs

56
docs citations

56
times ranked

1593
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Putative Transport Mechanism and Intracellular Fate of ^{18}F -Fluorocyclobutanecarboxylic Acid in Human Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2011, 52, 822-829.	5.0	130
3	Radiolabeled choline as a proliferation marker: Comparison with radiolabeled acetate. <i>Nuclear Medicine and Biology</i> , 2004, 31, 859-865.	0.6	101
4	$\alpha_v\beta_3$ Integrin-targeting radionuclide therapy and imaging with monomeric RGD peptide. <i>International Journal of Cancer</i> , 2008, 123, 709-715.	5.1	56
5	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
6	Development of ^{90}Y DOTA-conjugated bisphosphonate for treatment of painful bone metastases. <i>Nuclear Medicine and Biology</i> , 2009, 36, 129-135.	0.6	52
7	Predominant contribution of L-type amino acid transporter to 4-borono-2- ^{18}F -fluoro-phenylalanine uptake in human glioblastoma cells. <i>Nuclear Medicine and Biology</i> , 2013, 40, 625-629.	0.6	47
8	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
9	Evaluation of radioiodinated vesamicol analogs for sigma receptor imaging in tumor and radionuclide receptor therapy. <i>Cancer Science</i> , 2009, 100, 2188-2192.	3.9	31
10	High resolution SPECT imaging for visualization of intratumoral heterogeneity using a SPECT/CT scanner dedicated for small animal imaging. <i>Annals of Nuclear Medicine</i> , 2012, 26, 67-76.	2.2	31
11	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
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	^{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
14	^{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
15	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
16	Correlation of ^{18}F -BPA and ^{18}F -FDG uptake in head and neck cancers. <i>Radiotherapy and Oncology</i> , 2014, 113, 193-197.	0.6	22
17	Controlled Administration of Penicillamine Reduces Radiation Exposure in Critical Organs during ^{64}Cu -ATSM Internal Radiotherapy: A Novel Strategy for Liver Protection. <i>PLoS ONE</i> , 2014, 9, e86996.	2.5	20
18	Non-invasive estimation of ^{10}B -borono-L-phenylalanine-derived boron concentration in tumors by PET using ^{18}F -fluoro-L-phenylalanine. <i>Cancer Science</i> , 2018, 9, 109, 1617-1626.	18	18

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19	Dynamic changes in glucose metabolism by lactate loading as revealed by a positron autoradiography technique using rat living brain slices. <i>Neuroscience Letters</i> , 1998, 249, 155-158.	2.1	17
20	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
21	Dynamic changes in glucose metabolism induced by thiamine deficiency and its replenishment as revealed by a positron autoradiography technique using rat living brain slices. <i>Journal of the Neurological Sciences</i> , 1999, 164, 29-36.	0.6	15
22	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
23	Pharmacokinetics of 3-[¹²⁵ I]iodo- β -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
24	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
25	Comparison of the transcellular transport of FDG and D-glucose by the kidney epithelial cell line, LLC-PK1. <i>Nuclear Medicine Communications</i> , 2010, 31, 141-146.	1.1	13
26	In Vivo SPECT Imaging with ¹¹¹ In-DOTA-c(RGDfK) to Detect Early Pancreatic Cancer in a Hamster Pancreatic Carcinogenesis Model. <i>Journal of Nuclear Medicine</i> , 2012, 53, 765-771.	5.0	12
27	Transport of d-[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
28	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
29	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
30	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
31	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
32	Evaluation of radioiodinated quinazoline derivative as a new ligand for EGF receptor tyrosine kinase activity using SPECT. <i>Annals of Nuclear Medicine</i> , 2011, 25, 117-124.	2.2	10
33	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
34	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
35	A useful EGFR-TK ligand for tumor diagnosis with SPECT: development of radioiodinated 6-(3-morpholinopropoxy)-7-ethoxy-4-(3-iodophenoxy)quinazoline. <i>Annals of Nuclear Medicine</i> , 2013, 27, 431-443.	2.2	8
36	Theragnostic Imaging Using Radiolabeled Antibodies and Tyrosine Kinase Inhibitors. <i>Scientific World Journal</i> , The, 2015, 2015, 1-6.	2.1	8

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37	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
38	Serum protein binding displacement: theoretical analysis using a hypothetical radiopharmaceutical and experimental analysis with ¹²³ I-N-isopropyl-p-iodoamphetamine. <i>Nuclear Medicine and Biology</i> , 2009, 36, 99-106.	0.6	7
39	Synthesis and evaluation of ¹⁸ F-(3-[¹⁸ F]fluoropropyl) estradiol. <i>Nuclear Medicine and Biology</i> , 2015, 42, 590-597.	0.6	7
40	Imaging study of pancreatic ductal adenocarcinomas in Syrian hamsters using X-ray micro-computed tomography (CT). <i>Cancer Science</i> , 2010, 101, 1761-1766.	3.9	6
41	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 [³ H]methionine uptake. <i>Nuclear Medicine and Biology</i> , 2017, 49, 8-15.	0.6	6
42	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
43	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
44	Detection of maleate-induced Fanconi syndrome by decreasing accumulation of ¹²⁵ I-3-iodo-a-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
45	Novel immunohistochemical marker, integrin $\alpha 2 \beta 3$, for BOP-induced early lesions in hamster pancreatic ductal carcinogenesis. <i>Oncology Letters</i> , 2011, 2, 229-234.	1.8	5
46	Monitoring of Gefitinib Sensitivity with Radioiodinated PHY Based on EGFR Expression. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 355-360.	1.4	5
47	Synthesis and evaluation of radioiodinated phenoxyquinazoline and benzylaminoquinazoline derivatives as new EGF receptor tyrosine kinase imaging ligands for tumor diagnosis using SPECT. <i>Annals of Nuclear Medicine</i> , 2012, 26, 381-389.	2.2	4
48	Protection from contamination by ²¹¹ At, an enigmatic but promising alpha-particle-emitting radionuclide. <i>EJNMMI Physics</i> , 2022, 9, .	2.7	4
49	Differential expression of Fos and Zif268 in the nigrostriatal system after methamphetamine administration in a rat model of Parkinson's disease. <i>Synapse</i> , 2008, 62, 920-926.	1.2	3
50	SPECT/CT of lung nodules using ¹¹¹ In-DOTA-c(RGDfK) in a mouse lung carcinogenesis model. <i>Annals of Nuclear Medicine</i> , 2013, 27, 640-647.	2.2	3
51	Development of a p ³⁸ β -selective radioactive probe for qualitative diagnosis of cancer using SPECT. <i>Annals of Nuclear Medicine</i> , 2019, 33, 333-343.	2.2	3
52	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
53	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
54	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

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55	Synthesis and Characterization of Radioiodinated MDâ€30254: A New Ligand for Potential Imaging of Monoamine Oxidase B Activity by Single Photon Emission Computed Tomography.. ChemInform, 2002, 33, 148-148.	0.0	0
56	Imaging and Therapy Against Hypoxic Tumors with ⁶⁴ Cu-ATSM. , 2020, , 285-292.		0