

Kazuma Ogawa

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101
papers

1,559
citations

22
h-index

33
g-index

110
ext. papers

1,802
ext. citations

3.9
avg, IF

4.33
L-index

#	Paper	IF	Citations
101	Development of a ¹¹¹ In-labeled peptide derivative targeting a chemokine receptor, CXCR4, for imaging tumors. <i>Nuclear Medicine and Biology</i> , 2006 , 33, 489-94	2.1	90
100	Effect of molecular charges on renal uptake of ¹¹¹ In-DTPA-conjugated peptides. <i>Nuclear Medicine and Biology</i> , 2001 , 28, 761-8	2.1	78
99	Molecular imaging of active mutant L858R EGF receptor (EGFR) kinase-expressing nonsmall cell lung carcinomas using PET/CT. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1603-8	11.5	77
98	Development of a rhenium-186-labeled MAG3-conjugated bisphosphonate for the palliation of metastatic bone pain based on the concept of bifunctional radiopharmaceuticals. <i>Bioconjugate Chemistry</i> , 2005 , 16, 751-7	6.3	53
97	Rhenium-186-monoaminemonoamidedithiol-conjugated bisphosphonate derivatives for bone pain palliation. <i>Nuclear Medicine and Biology</i> , 2006 , 33, 513-20	2.1	49
96	Synthesis and binding affinities of methylvesamicol analogs for the acetylcholine transporter and sigma receptor. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 2620-6	3.4	49
95	Development of [(90)Y]DOTA-conjugated bisphosphonate for treatment of painful bone metastases. <i>Nuclear Medicine and Biology</i> , 2009 , 36, 129-35	2.1	48
94	alpha(v)beta(3) Integrin-targeting radionuclide therapy and imaging with monomeric RGD peptide. <i>International Journal of Cancer</i> , 2008 , 123, 709-15	7.5	47
93	Plasma protein binding of (99m)Tc-labeled hydrazino nicotinamide derivatized polypeptides and peptides. <i>Nuclear Medicine and Biology</i> , 2001 , 28, 155-64	2.1	43
92	Intracellular metabolic fate of radioactivity after injection of technetium-99m-labeled hydrazino nicotinamide derivatized proteins. <i>Bioconjugate Chemistry</i> , 1999 , 10, 386-94	6.3	40
91	(99m)Tc-HYNIC-derivatized ternary ligand complexes for (99m)Tc-labeled polypeptides with low in vivo protein binding. <i>Nuclear Medicine and Biology</i> , 2001 , 28, 215-24	2.1	36
90	Dynamic expression of tenascin-C after myocardial ischemia and reperfusion: assessment by ¹²⁵ I-anti-tenascin-C antibody imaging. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1116-22	8.9	35
89	Bone target radiotracers for palliative therapy of bone metastases. <i>Current Medicinal Chemistry</i> , 2012 , 19, 3290-300	4.3	35
88	A Tc-99m-labeled long chain fatty acid derivative for myocardial imaging. <i>Bioconjugate Chemistry</i> , 2004 , 15, 389-93	6.3	33
87	Development of novel radiogallium-labeled bone imaging agents using oligo-aspartic acid peptides as carriers. <i>PLoS ONE</i> , 2013 , 8, e84335	3.7	31
86	Chemical design of a radiolabeled gelatinase inhibitor peptide for the imaging of gelatinase activity in tumors. <i>Nuclear Medicine and Biology</i> , 2007 , 34, 503-10	2.1	28
85	Evaluation of radioiodinated vesamicol analogs for sigma receptor imaging in tumor and radionuclide receptor therapy. <i>Cancer Science</i> , 2009 , 100, 2188-92	6.9	27

84	Preparation and evaluation of a radiogallium complex-conjugated bisphosphonate as a bone scintigraphy agent. <i>Nuclear Medicine and Biology</i> , 2011 , 38, 631-6	2.1	26
83	Assessment of ¹⁸⁶ Re chelate-conjugated bisphosphonate for the development of new radiopharmaceuticals for bones. <i>Nuclear Medicine and Biology</i> , 2007 , 34, 79-87	2.1	26
82	Renal metabolism of ³ Siodohippuryl N(epsilon)-maleoyl-L-lysine (HML)-conjugated Fab fragments. <i>Bioconjugate Chemistry</i> , 2001 , 12, 178-85	6.3	25
81	Design of a radiopharmaceutical for the palliation of painful bone metastases: rhenium-186-labeled bisphosphonate derivative. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2004 , 47, 753-761	1.9	24
80	¹⁴ C-Methionine uptake as a potential marker of inflammatory processes after myocardial ischemia and reperfusion. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 431-6	8.9	22
79	Radiosynthesis and initial in vitro evaluation of [¹⁸ F]F-PEG6-IPQA--a novel PET radiotracer for imaging EGFR expression-activity in lung carcinomas. <i>Molecular Imaging and Biology</i> , 2011 , 13, 853-61	3.8	22
78	Development and evaluation of a radiobromine-labeled sigma ligand for tumor imaging. <i>Nuclear Medicine and Biology</i> , 2013 , 40, 445-50	2.1	21
77	Radiolabeled apoptosis imaging agents for early detection of response to therapy. <i>Scientific World Journal, The</i> , 2014 , 2014, 732603	2.2	19
76	Radiotheranostics with radiolanthanides: Design, development strategies, and medical applications. <i>Coordination Chemistry Reviews</i> , 2019 , 383, 104-131	23.2	19
75	Radiotheranostics Coupled between an At-211-Labeled RGD Peptide and the Corresponding Radioiodine-Labeled RGD Peptide. <i>ACS Omega</i> , 2019 , 4, 4584-4591	3.9	18
74	Well-designed bone-seeking radiolabeled compounds for diagnosis and therapy of bone metastases. <i>BioMed Research International</i> , 2015 , 2015, 676053	3	18
73	Preparation and evaluation of an astatine-211-labeled sigma receptor ligand for alpha radionuclide therapy. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 875-9	2.1	18
72	Usefulness of competitive inhibitors of protein binding for improving the pharmacokinetics of ¹⁸⁶ Re-MAG3-conjugated bisphosphonate (¹⁸⁶ Re-MAG3-HBP), an agent for treatment of painful bone metastases. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 115-21	8.8	18
71	Water-soluble metalloporphyrinates with excellent photo-induced anticancer activity resulting from high tumor accumulation. <i>Journal of Inorganic Biochemistry</i> , 2017 , 170, 1-7	4.2	17
70	Synthesis and evaluation of a monoreactive DOTA derivative for indium-111-based residualizing label to estimate protein pharmacokinetics. <i>Journal of Pharmacy and Pharmacology</i> , 2002 , 54, 1073-81	4.8	17
69	In vitro system to estimate renal brush border enzyme-mediated cleavage of Peptide linkages for designing radiolabeled antibody fragments of low renal radioactivity levels. <i>Bioconjugate Chemistry</i> , 2005 , 16, 1610-6	6.3	17
68	Evaluation of Chlorella as a Decorporation Agent to Enhance the Elimination of Radioactive Strontium from Body. <i>PLoS ONE</i> , 2016 , 11, e0148080	3.7	17
67	Comparison of Radioiodine- or Radiobromine-Labeled RGD Peptides between Direct and Indirect Labeling Methods. <i>Chemical and Pharmaceutical Bulletin</i> , 2018 , 66, 651-659	1.9	16

66	Technetium-99m-labeled medium-chain fatty acid analogues metabolized by beta-oxidation: radiopharmaceutical for assessing liver function. <i>Bioconjugate Chemistry</i> , 1999 , 10, 489-95	6.3	16
65	Radiogallium Complex-Conjugated Bifunctional Peptides for Detecting Primary Cancer and Bone Metastases Simultaneously. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1561-70	6.3	15
64	Advances in drug design of radiometal-based imaging agents for bone disorders. <i>International Journal of Molecular Imaging</i> , 2011 , 2011, 537687		14
63	Cardioprotective effects of erythropoietin in rats subjected to ischemia-reperfusion injury: assessment of infarct size with 99mTc-annexin V. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 1694-700	8.9	14
62	In vitro characterization of radioiodinated (+)-2-[4-(4-iodophenyl) piperidino]cyclohexanol [(+)-pIV] as a sigma-1 receptor ligand. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 1095-9	3.4	14
61	Evaluation of Ga-DOTA-(D-Asp) as bone imaging agents: D-aspartic acid peptides as carriers to bone. <i>Scientific Reports</i> , 2017 , 7, 13971	4.9	13
60	The potential of (-)-o-[11C]methylvesamicol for diagnosing cholinergic deficit dementia. <i>Synapse</i> , 2009 , 63, 167-71	2.4	13
59	Control of radioactivity pharmacokinetics of 99mTc-HYNIC-labeled polypeptides derivatized with ternary ligand complexes. <i>Bioconjugate Chemistry</i> , 2002 , 13, 491-501	6.3	13
58	Significance of (111)In-DTPA chelate in renal radioactivity levels of (111)In-DTPA-conjugated peptides. <i>Nuclear Medicine and Biology</i> , 2001 , 28, 459-68	2.1	13
57	Nesfatin-1 inhibits voltage gated K channels in pancreatic beta cells. <i>Peptides</i> , 2017 , 95, 10-15	3.8	12
56	Syntheses and in vitro evaluation of decalinvesamicol analogues as potential imaging probes for vesicular acetylcholine transporter (VACHT). <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 4936-41	3.4	12
55	Preparation and evaluation of 186/188Re-labeled antibody (A7) for radioimmunotherapy with rhenium(I) tricarbonyl core as a chelate site. <i>Annals of Nuclear Medicine</i> , 2009 , 23, 843-8	2.5	12
54	Whole-body biodistribution kinetics, metabolism, and radiation dosimetry estimates of 18F-PEG6-IPQA in nonhuman primates. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 934-41	8.9	12
53	Development and evaluation of a novel radioiodinated vesamicol analog as a sigma receptor imaging agent. <i>EJNMMI Research</i> , 2012 , 2, 54	3.6	11
52	Development and evaluation of a novel (99m)tc-labeled annexin A5 for early detection of response to chemotherapy. <i>PLoS ONE</i> , 2013 , 8, e81191	3.7	11
51	A Platinum Functional Porphyrin Conjugate: An Excellent Cancer Killer for Photodynamic Therapy. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 790-796	5.1	11
50	Effect of postconditioning on dynamic expression of tenascin-C and left ventricular remodeling after myocardial ischemia and reperfusion. <i>EJNMMI Research</i> , 2015 , 5, 21	3.6	9
49	Development of radiolabeled bis(zinc(II)-dipicolylamine) complexes for cell death imaging. <i>Annals of Nuclear Medicine</i> , 2019 , 33, 317-325	2.5	8

48	Development of a novel radiobromine-labeled sigma-1 receptor imaging probe. <i>Nuclear Medicine and Biology</i> , 2018 , 61, 28-35	2.1	8
47	A change of in vivo characteristics depending on specific activity of radioiodinated (+)-2-[4-(4-iodophenyl)piperidino]cyclohexanol [(+)-pIV] as a ligand for sigma receptor imaging. <i>Nuclear Medicine and Biology</i> , 2008 , 35, 29-34	2.1	8
46	Development of Diagnostic and Therapeutic Probes with Controlled Pharmacokinetics for Use in Radiotheranostics. <i>Chemical and Pharmaceutical Bulletin</i> , 2019 , 67, 897-903	1.9	7
45	Synthesis and evaluation of a new vesamicol analog o-[(11C)methyl-trans-decalinvesamicol as a PET ligand for the vesicular acetylcholine transporter. <i>Annals of Nuclear Medicine</i> , 2016 , 30, 122-9	2.5	7
44	Synthesis and evaluation of radioiodinated 1-{2-[5-(2-methoxyethoxy)-1H-benzo[d]imidazol-1-yl]quinolin-8-yl}piperidin-4-amine derivatives for platelet-derived growth factor receptor [(PDGFR)]imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 5576-5585	3.4	7
43	Species difference in radioactivity elimination from liver parenchymal cells after injection of radiolabeled proteins. <i>Nuclear Medicine and Biology</i> , 1999 , 26, 281-9	2.1	7
42	Design, synthesis, and biological evaluation of radioiodinated benzo[d]imidazole-quinoline derivatives for platelet-derived growth factor receptor [(PDGFR)]imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 383-393	3.4	7
41	New coordination compounds of citric acid and polyamines with lanthanide ions - potential application in monitoring the treatment of cancer diseases. <i>Journal of Inorganic Biochemistry</i> , 2019 , 198, 110715	4.2	6
40	Thermodynamic and Spectroscopic Studies of the Complexes Formed in Tartaric Acid and Lanthanide(III) Ions Binary Systems. <i>Molecules</i> , 2020 , 25,	4.8	6
39	Radiobrominated benzimidazole-quinoline derivatives as Platelet-derived growth factor receptor beta (PDGFR)]imaging probes. <i>Scientific Reports</i> , 2018 , 8, 10369	4.9	6
38	Hollow submicron spheres fabricated from cyanoacrylate instant adhesive. <i>Materials Letters</i> , 2014 , 131, 310-312	3.3	6
37	Regional brain imaging of vesicular acetylcholine transporter using o-[125I]iodo-trans-decalinvesamicol as a new potential imaging probe. <i>Synapse</i> , 2014 , 68, 107-13	2.4	6
36	The integrity of the disulfide bond in a cyclic somatostatin analog during 99mTc complexation reactions. <i>Nuclear Medicine and Biology</i> , 1999 , 26, 883-90	2.1	6
35	Synergistic Effect of Metalation on 4Cisplatin-Porphyrin in Cancer Photodynamic Therapy. <i>Chemistry Letters</i> , 2017 , 46, 764-766	1.7	5
34	Synthesis and Fundamental Evaluation of Radioiodinated Rociletinib (CO-1686) as a Probe to Lung Cancer with L858R/T790M Mutations of Epidermal Growth Factor Receptor (EGFR). <i>Molecules</i> , 2020 , 25,	4.8	5
33	6-([F]Fluoroacetamido)-1-hexanoicanilide PET Imaging of Altered Histone Deacetylase Activity in Chemotherapy-Induced Neurotoxicity. <i>Contrast Media and Molecular Imaging</i> , 2018 , 2018, 3612027	3.2	5
32	In Vivo and In Vitro Characteristics of Radiolabeled Vesamicol Analogs as the Vesicular Acetylcholine Transporter Imaging Agents. <i>Contrast Media and Molecular Imaging</i> , 2018 , 2018, 4535476	3.2	5
31	The L-type amino acid transporter LAT1 inhibits osteoclastogenesis and maintains bone homeostasis through the mTORC1 pathway. <i>Science Signaling</i> , 2019 , 12,	8.8	5

30	Fundamental study of radiogallium-labeled aspartic acid peptides introducing octreotate derivatives. <i>Annals of Nuclear Medicine</i> , 2019 , 33, 244-251	2.5	5
29	The potential of o-bromo-trans-decalinvesamicol as a new PET ligand for vesicular acetylcholine transporter imaging. <i>Synapse</i> , 2014 , 68, 445-53	2.4	4
28	Potential usefulness of D2R reporter gene imaging by IBF as gene therapy monitoring for cerebellar neurodegenerative diseases. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 434-407	3	4
27	Development of Radiogallium-Labeled Peptides for Platelet-Derived Growth Factor Receptor (PDGFR) Imaging: Influence of Different Linkers. <i>Molecules</i> , 2020 , 26,	4.8	4
26	Preliminary Evaluation of Astatine-211-Labeled Bombesin Derivatives for Targeted Alpha Therapy. <i>Chemical and Pharmaceutical Bulletin</i> , 2020 , 68, 538-545	1.9	3
25	Inorganic and Metal-Organic Nanocomposites for Cascade-Responsive Imaging and Photochemical Synergistic Effects. <i>Inorganic Chemistry</i> , 2020 , 59, 4617-4625	5.1	3
24	Complexes of myo-Inositol-Hexakisphosphate (IP6) with Zinc or Lanthanum for the Decorporation of Radiocesium. <i>Chemical and Pharmaceutical Bulletin</i> , 2017 , 65, 261-267	1.9	3
23	Development of Radiolabeled Probes Directed against Sigma-1 Receptors. <i>Bunseki Kagaku</i> , 2017 , 66, 403-411	0.2	3
22	In vivo characterization of radioiodinated (+)-2-[4-(4-iodophenyl) piperidino] cyclohexanol as a potential sigma-1 receptor imaging agent. <i>Nuclear Medicine and Biology</i> , 2007 , 34, 697-702	2.1	3
21	A Radiobrominated Tyrosine Kinase Inhibitor for EGFR with L858R/T790M Mutations in Lung Carcinoma. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	3
20	Complexes of myo-inositol-hexakisphosphate (InsP6) with zinc or lanthanum to enhance excretion of radioactive strontium from the body. <i>PLoS ONE</i> , 2018 , 13, e0195067	3.7	3
19	Syntheses and evaluation of a homologous series of aza-vesamicol as improved radioiodine-labeled probes for sigma-1 receptor imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 1990-1996	3.4	2
18	Postconditioning Accelerates Myocardial Inflammatory Resolution Demonstrated by C-Methionine Imaging and Attenuates Ventricular Remodeling After Ischemia and Reperfusion. <i>Circulation Journal</i> , 2019 , 83, 2520-2526	2.9	2
17	Nonlinear electric reaction arising in dry bone subjected to 4-point bending. <i>Mechanics of Materials</i> , 2009 , 41, 810-819	3.3	2
16	In Vivo Differences between Two Optical Isomers of Radioiodinated o-iodo-trans-decalinvesamicol for Use as a Radioligand for the Vesicular Acetylcholine Transporter. <i>PLoS ONE</i> , 2016 , 11, e0146719	3.7	2
15	Ga- and At-Labeled RGD Peptides for Radiotheranostics with Multiradionuclides. <i>Molecular Pharmaceutics</i> , 2021 , 18, 3553-3562	5.6	2
14	A simple and rapid radiochemical choline acetyltransferase (ChAT) assay screening test. <i>Journal of Neuroscience Methods</i> , 2006 , 157, 98-102	3	1
13	Development of Radiohalogenated Osimertinib Derivatives as Imaging Probes for Companion Diagnostics of Osimertinib.. <i>Journal of Medicinal Chemistry</i> , 2022 ,	8.3	1

12	Asymmetric structure of cis-[N-(9-anthracenylmethyl)-1,2-ethanediamine]dipyridineplatinum(II) dinitrate. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017 , 73, 975-978	0.8	1
11	Thallium-201 Imaging in Intact Olfactory Sensory Neurons with Reduced Pre-Synaptic Inhibition In Vivo. <i>Molecular Neurobiology</i> , 2020 , 57, 4989-4999	6.2	1
10	Visualization of Dynamic Expression of Myocardial Sigma-1 Receptor After Myocardial Ischemia and Reperfusion Using Radioiodine-Labeled 2-[4-(2-iodophenyl)piperidino]cyclopentanol (O15V) Imaging. <i>Circulation Journal</i> , 2021 , 85, 2102-2108	2.9	1
9	In vitro and in vivo evaluation of [¹¹ C]-2-[4-(2-iodophenyl)piperidino]cyclopentanol([¹¹ C]-O15V) as a potential sigma-1 receptor ligand for SPECT. <i>Annals of Nuclear Medicine</i> , 2021 , 35, 167-175	2.5	1
8	The Influence of pH on Complexation Process of Copper(II) Phosphoethanolamine to Pyrimidine Nucleosides. <i>Materials</i> , 2021 , 14,	3.5	1
7	Colchicine treatment early after infarction attenuates myocardial inflammatory response demonstrated by C-methionine imaging and subsequent ventricular remodeling by quantitative gated SPECT. <i>Annals of Nuclear Medicine</i> , 2021 , 35, 253-259	2.5	1
6	Olfactory Nerve Imaging with SPECT/CT in Rats. <i>Nihon Bika Gakkai Kaishi (Japanese Journal of Rhinology)</i> , 2009 , 48, 138-141	0.1	0
5	Decreasing undesirable absorbed radiation to the intestine after administration of radium-223 dichloride for treatment of bone metastases. <i>Scientific Reports</i> , 2020 , 10, 11917	4.9	0
4	Synthesis and Characterization of Hydroxyethylamino- and Pyridyl-Substituted 2-Vinyl Chromone Derivatives for Detection of Cerebral Abnormal Prion Protein Deposits.. <i>Chemical and Pharmaceutical Bulletin</i> , 2022 , 70, 211-219	1.9	0
3	20S Proteasome Inhibitory Activity of [N-(9-Anthracenylmethyl)-1,3-propanediamine] (2,2'-Bipyridine) Palladium(II) Chloride. <i>Chemistry Letters</i> , 2019 , 48, 936-938	1.7	
2	(-)-o-[¹¹ C]methyl-trans-decalinvesamicol ((-)-[¹¹ C]OMDV) as a PET ligand for the vesicular acetylcholine transporter. <i>Synapse</i> , 2020 , 74, e22176	2.4	
1	Synthesis and evaluation of radiogallium-labeled long-chain fatty acid derivatives as myocardial metabolic imaging agents.. <i>PLoS ONE</i> , 2021 , 16, e0261226	3.7	