

Takeshi Fuchigami

List of Publications by Year in descending order

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55
papers

651
citations

687363

13
h-index

677142

22
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58
all docs

58
docs citations

58
times ranked

896
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Evaluation of Novel Chalcone Derivatives with ^{99m} Tc/Re Complexes as Potential Probes for Detection of β -Amyloid Plaques. ACS Chemical Neuroscience, 2010, 1, 598-607.	3.5	71
2	Development of PET and SPECT Probes for Glutamate Receptors. Scientific World Journal, The, 2015, 2015, 1-19.	2.1	46
3	^{99m} Tc/Re complexes based on flavone and aurone as SPECT probes for imaging cerebral β -amyloid plaques. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5743-5748.	2.2	45
4	A dual fluorinated and iodinated radiotracer for PET and SPECT imaging of β -amyloid plaques in the brain. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6519-6522.	2.2	35
5	Genomic Profiling by ALaP-Seq Reveals Transcriptional Regulation by PML Bodies through DNMT3A Exclusion. Molecular Cell, 2020, 78, 493-505.e8.	9.7	31
6	Synthesis and evaluation of new imaging agent for central nicotinic acetylcholine receptor $\alpha 7$ subtype. Nuclear Medicine and Biology, 2010, 37, 347-355.	0.6	30
7	Elevated amyloid- β plaque deposition in dietary selenium-deficient Tg2576 transgenic mice. Metallomics, 2013, 5, 479.	2.4	26
8	Synthesis and evaluation of ethyleneoxylated and allyloxylated chalcone derivatives for imaging of amyloid β plaques by SPECT. Bioorganic and Medicinal Chemistry, 2014, 22, 2622-2628.	3.0	26
9	Novel Benzofurans with ^{99m} Tc Complexes as Probes for Imaging Cerebral β -Amyloid Plaques. ACS Medicinal Chemistry Letters, 2010, 1, 443-447.	2.8	25
10	Tofla virus: A newly identified Nairovirus of the Crimean-Congo hemorrhagic fever group isolated from ticks in Japan. Scientific Reports, 2016, 6, 20213.	3.3	24
11	Characterisation of radioiodinated flavonoid derivatives for SPECT imaging of cerebral prion deposits. Scientific Reports, 2016, 5, 18440.	3.3	21
12	Selenium in Seafood Materials. Journal of Health Science, 2011, 57, 215-224.	0.9	20
13	Development of N-[¹¹ C]methylamino 4-hydroxy-2(1H)-quinolone derivatives as PET radioligands for the glycine-binding site of NMDA receptors. Bioorganic and Medicinal Chemistry, 2009, 17, 5665-5675.	3.0	16
14	Synthesis and biological evaluation of radio-iodinated benzimidazoles as SPECT imaging agents for NR2B subtype of NMDA receptor. Bioorganic and Medicinal Chemistry, 2010, 18, 7497-7506.	3.0	14
15	A thiol-mediated active membrane transport of selenium by erythroid anion exchanger 1 protein. Dalton Transactions, 2012, 41, 7340.	3.3	13
16	Synthesis and biological evaluation of radioiodinated quinacrine-based derivatives for SPECT imaging of $A\beta$ plaques. European Journal of Medicinal Chemistry, 2013, 60, 469-478.	5.5	13
17	Difference in brain distributions of carbon 11-labeled 4-hydroxy-2(1H)-quinolones as PET radioligands for the glycine-binding site of the NMDA ion channel. Nuclear Medicine and Biology, 2008, 35, 203-212.	0.6	12
18	Development of alkoxy styrylchromone derivatives for imaging of cerebral amyloid- β plaques with SPECT. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3363-3367.	2.2	12

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19	Amyloid formation characteristics of GNNQQNY from yeast prion protein Sup35 and its seeding with heterogeneous polypeptides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 72-79.	5.0	9
20	Discovery of inner centromere protein-derived small peptides for cancer imaging and treatment targeting survivin. <i>Cancer Science</i> , 2020, 111, 1357-1366.	3.9	9
21	¹⁸ F-FDG PET imaging for identifying the dynamics of intestinal disease caused by SFTSV infection in a mouse model. <i>Oncotarget</i> , 2016, 7, 140-147.	1.8	9
22	Development of radioiodinated acridine derivatives for in vivo imaging of prion deposits in the brain. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1085-1093.	3.0	8
23	Cardiac myoglobin participates in the metabolic pathway of selenium in rats. <i>Metallomics</i> , 2018, 10, 614-622.	2.4	8
24	Complementary HPLC, in silico toxicity, and molecular docking studies for investigation of the potential influences of gastric acidity and nitrite content on paracetamol safety. <i>Microchemical Journal</i> , 2019, 150, 104107.	4.5	8
25	A Comprehensive Analysis of Selenium-Binding Proteins in the Brain Using Its Reactive Metabolite. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 52-58.	1.3	7
26	Synthesis and evaluation of a radioiodinated 4,6-diaryl-3-cyano-2-pyridinone derivative as a survivin targeting SPECT probe for tumor imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 999-1004.	2.2	7
27	Thiol-targeted introduction of selenocysteine to polypeptides for synthesis of glutathione peroxidase mimics. <i>Metallomics</i> , 2011, 3, 702.	2.4	6
28	Synthesis and characterization of [¹²⁵ I]2-iodo N-[(S)-{(S)-1-methylpiperidin-2-yl}(phenyl)methyl]3-trifluoromethyl-benzamide as novel imaging probe for glycine transporter 1. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6245-6253.	3.0	6
29	Characterization of Selenium Species in Extract from Niboshi (a Processed Japanese Anchovy). <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 348-353.	1.3	6
30	Synthesis of Nanovesicular Glutathione Peroxidase Mimics with a Selenenylsulfide-Bearing Lipid. <i>ACS Omega</i> , 2016, 1, 58-65.	3.5	6
31	Development of a ⁶⁸ Ge/ ⁶⁸ Ga Generator System Using Polysaccharide Polymers and Its Application in PET Imaging of Tropical Infectious Diseases. <i>ACS Omega</i> , 2017, 2, 1400-1407.	3.5	6
32	Synthesis and characterization of ¹¹ C-labeled benzyl amidine derivatives as PET radioligands for GluN2B subunit of the NMDA receptors. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 1095-1105.	1.0	6
33	A Strontium-90 Sequesterant for First-Aid Treatment of Radiation Emergency. <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 1258-1263.	1.3	5
34	Synthesis and characterization of radioiodinated 3-phenethyl-2-indolinone derivatives for SPECT imaging of survivin in tumors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3111-3116.	3.0	5
35	Development of Radioiodinated Benzofuran Derivatives for <i>In Vivo</i> Imaging of Prion Deposits in the Brain. <i>ACS Infectious Diseases</i> , 2019, 5, 2003-2013.	3.8	5
36	Synthesis and Characterization of 9-(4-[¹⁸ F]Fluoro-3-(hydroxymethyl)butyl)-2-(phenylthio)-6-oxopurine as a Novel PET Agent for Mutant Herpes Simplex Virus Type 1 Thymidine Kinase Reporter Gene Imaging. <i>Molecular Imaging and Biology</i> , 2020, 22, 1151-1160.	2.6	5

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37	Absorption and retention characteristics of selenium in dorsal root ganglion neurons. <i>Metallomics</i> , 2011, 3, 1019.	2.4	4
38	Synthesis and evaluation of 2-chloro N-[(S)-{(S)-1-[¹¹ C]methylpiperidin-2-yl}(phenyl)methyl]3-trifluoromethyl-benzamide ([¹¹ C]N-methyl-SSR504734) as a PET radioligand for glycine transporter 1. <i>EJNMMI Research</i> , 2012, 2, 37.	2.5	4
39	An effective method for profiling the selenium-binding proteins using its reactive metabolic intermediate. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 781-789.	2.6	4
40	Selenoprotein L-inspired nano-vesicular peroxidase mimics based on amphiphilic diselenides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 172-178.	5.0	4
41	Synthesis and evaluation of radioactive/fluorescent peptide probes for imaging of legumain activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126629.	2.2	4
42	Synthesis and Characterization of Radiogallium-Labeled Cationic Amphiphilic Peptides as Tumor Imaging Agents. <i>Cancers</i> , 2021, 13, 2388.	3.7	4
43	One-step direct reconstitution of biomembranes onto cationic organic polymer bead supports. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 96-101.	9.4	3
44	An Ionic Polymer Bead-supported Lipid System Using Naturally Occurring Phospholipids. <i>Journal of Bioactive and Compatible Polymers</i> , 2010, 25, 455-464.	2.1	3
45	Fluorescence microscopic characterization of ionic polymer bead-supported phospholipid bilayer membrane systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 100, 190-196.	5.0	3
46	Improved membrane fluidity of ionic polysaccharide bead-supported phospholipid bilayer membrane systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 107, 90-96.	5.0	2
47	Characterization of Selenium Species in the Shijimi Clam. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 1045-1050.	1.3	2
48	In vitro assessment of bioavailability of selenium from a processed Japanese anchovy, Niboshi. <i>Food Chemistry</i> , 2018, 269, 436-441.	8.2	2
49	Feasibility studies of radioiodinated pyridyl benzofuran derivatives as potential SPECT imaging agents for prion deposits in the brain. <i>Nuclear Medicine and Biology</i> , 2020, 90-91, 41-48.	0.6	2
50	Selenotrisulfide as a Metabolic Intermediate in Biological Systems. <i>ACS Symposium Series</i> , 2013, , 201-211.	0.5	1
51	Peptidyl-prolyl cis-trans isomerase A participates in the selenium transport into the rat brain. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 933-945.	2.6	1
52	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.	1.3	1
53	Development of tumor-targeting aza-vesamicol derivatives with high affinity for sigma receptors for cancer theranostics. <i>RSC Medicinal Chemistry</i> , 2022, 13, 986-997.	3.9	1
54	Development of Radioligands for In Vivo Imaging of NMDA Receptors. , 2014, , 513-559.		0

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55	Separation of Selenium Species in Japanese Littleneck Clam "Asari"™ (<i>Ruditapes philippinarum</i>) and <i>In Vitro</i> Assessment of Their Bioavailability. BPB Reports, 2018, 1, 40-46.	0.3	0