Takeshi Fuchigami

List of Publications by Year
in descending order

55	651	687363 13	677142 22
papers	citations	h-index	g-index

58	58	58	896
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and Characterization of Hydroxyethylamino- and Pyridyl-Substituted 2-Vinyl Chromone Derivatives for Detection of Cerebral Abnormal Prion Protein Deposits. Chemical and Pharmaceutical Bulletin, 2022, 70, 211-219.	1.3	1
2	Development of tumor-targeting aza-vesamicol derivatives with high affinity for sigma receptors for cancer theranostics. RSC Medicinal Chemistry, 2022, 13, 986-997.	3.9	1
3	Synthesis and Characterization of Radiogallium-Labeled Cationic Amphiphilic Peptides as Tumor Imaging Agents. Cancers, 2021, 13, 2388.	3.7	4
4	Peptidyl-prolyl cisâ€“trans isomerase A participates in the selenium transport into the rat brain. Journal of Biological Inorganic Chemistry, 2021, 26, 933-945.	2.6	1
5	Synthesis and Characterization of 9-(4-[18F]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. Molecular Imaging and Biology, 2020, 22, 1151-1160.	2.6	5
6	Feasibility studies of radioiodinated pyridyl benzofuran derivatives as potential SPECT imaging agents for prion deposits in the brain. Nuclear Medicine and Biology, 2020, 90-91, 41-48.	0.6	2
7	Discovery of inner centromere proteinâ€derived small peptides for cancer imaging and treatment targeting survivin. Cancer Science, 2020, 111, 1357-1366.	3.9	9
8	Genomic Profiling by ALaP-Seq Reveals Transcriptional Regulation by PML Bodies through DNMT3A Exclusion. Molecular Cell, 2020, 78, 493-505.e8.	9.7	31
9	Complementary HPLC, in silico toxicity, and molecular docking studies for investigation of the potential influences of gastric acidity and nitrite content on paracetamol safety. Microchemical Journal, 2019, 150, 104107.	4.5	8
10	Synthesis and evaluation of radioactive/fluorescent peptide probes for imaging of legumain activity. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126629.	2.2	4
11	Development of Radioiodinated Benzofuran Derivatives for in Vivo Imaging of Prion Deposits in the Brain. ACS Infectious Diseases, 2019, 5, 2003-2013.	3.8	5
12	Synthesis and characterization of radioiodinated 3-phenethyl-2-indolinone derivatives for SPECT imaging of survivin in tumors. Bioorganic and Medicinal Chemistry, 2018, 26, 3111-3116.	3.0	5
13	Cardiac myoglobin participates in the metabolic pathway of selenium in rats. Metallomics, 2018, 10, 614-622.	2.4	8
14	Selenoprotein L-inspired nano-vesicular peroxidase mimics based on amphiphilic diselenides. Colloids and Surfaces B: Biointerfaces, 2018, 162, 172-178.	5.0	4
15	Synthesis and characterization of ¹¹Câ€labeled benzyl amidine derivatives as PET radioligands for GluN2B subunit of the NMDA receptors. Journal of Labelled Compounds and Radiopharmaceuticals, 2018, 61, 1095-1105.	1.0	6
16	In vitro assessment of bioavailability of selenium from a processed Japanese anchovy, Niboshi. Food Chemistry, 2018, 269, 436-441.	8.2	2
17	Separation of Selenium Species in Japanese Littleneck Clam â€˜Asariâ€™ (Ruditapes philippinarum) and In Vitro Assessment of Their Bioavailability. BPB Reports, 2018, 1, 40-46.	0.3	0
18	Development of radioiodinated acridine derivatives for in vivo imaging of prion deposits in the brain. Bioorganic and Medicinal Chemistry, 2017, 25, 1085-1093.	3.0	8

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19	Development of a ⁶⁸Ge/⁶⁸Ga Generator System Using Polysaccharide Polymers and Its Application in PET Imaging of Tropical Infectious Diseases. ACS Omega, 2017, 2, 1400-1407.	3.5	6
20	Amyloid formation characteristics of GNNQQNY from yeast prion protein Sup35 and its seeding with heterogeneous polypeptides. Colloids and Surfaces B: Biointerfaces, 2017, 149, 72-79.	5.0	9
21	Characterization of Selenium Species in the Shijimi Clam. Chemical and Pharmaceutical Bulletin, 2017, 65, 1045-1050.	1.3	2
22	Characterisation of radioiodinated flavonoid derivatives for SPECT imaging of cerebral prion deposits. Scientific Reports, 2016, 5, 18440.	3.3	21
23	A Comprehensive Analysis of Selenium-Binding Proteins in the Brain Using Its Reactive Metabolite. Chemical and Pharmaceutical Bulletin, 2016, 64, 52-58.	1.3	7
24	Synthesis of Nanovesicular Glutathione Peroxidase Mimics with a Selenenylsulfide-Bearing Lipid. ACS Omega, 2016, 1, 58-65.	3.5	6
25	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
26	Synthesis and evaluation of a radioiodinated 4,6-diaryl-3-cyano-2-pyridinone derivative as a survivin targeting SPECT probe for tumor imaging. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 999-1004.	2.2	7
27	18F-FDG PET imaging for identifying the dynamics of intestinal disease caused by SFTSV infection in a mouse model. Oncotarget, 2016, 7, 140-147.	1.8	9
28	Development of PET and SPECT Probes for Glutamate Receptors. Scientific World Journal, The, 2015, 2015, 1-19.	2.1	46
29	An effective method for profiling the selenium-binding proteins using its reactive metabolic intermediate. Journal of Biological Inorganic Chemistry, 2015, 20, 781-789.	2.6	4
30	Development of alkoxy styrylchromone derivatives for imaging of cerebral amyloid-Î² plaques with SPECT. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3363-3367.	2.2	12
31	Synthesis and evaluation of ethyleneoxylated and allyloxylated chalcone derivatives for imaging of amyloid Î² plaques by SPECT. Bioorganic and Medicinal Chemistry, 2014, 22, 2622-2628.	3.0	26
32	Development of Radioligands for In Vivo Imaging of NMDA Receptors. , 2014, , 513-559.		0
33	Elevated amyloid-Î² plaque deposition in dietary selenium-deficient Tg2576 transgenic mice. Metallomics, 2013, 5, 479.	2.4	26
34	Improved membrane fluidity of ionic polysaccharide bead-supported phospholipid bilayer membrane systems. Colloids and Surfaces B: Biointerfaces, 2013, 107, 90-96.	5.0	2
35	Synthesis and biological evaluation of radioiodinated quinacrine-based derivatives for SPECT imaging of Aî² plaques. European Journal of Medicinal Chemistry, 2013, 60, 469-478.	5.5	13
36	Selenotrisulfide as a Metabolic Intermediate in Biological Systems. ACS Symposium Series, 2013, , 201-211.	0.5	1

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37	A Strontium-90 Sequestrant for First-Aid Treatment of Radiation Emergency. Chemical and Pharmaceutical Bulletin, 2012, 60, 1258-1263.	1.3	5
38	Characterization of Selenium Species in Extract from Niboshi (a Processed Japanese Anchovy). Chemical and Pharmaceutical Bulletin, 2012, 60, 348-353.	1.3	6
39	Fluorescence microscopic characterization of ionic polymer bead-supported phospholipid bilayer membrane systems. Colloids and Surfaces B: Biointerfaces, 2012, 100, 190-196.	5.0	3
40	Synthesis and evaluation of 2-chloro N-[(S)-{(S)-1-[11â€‰C]methylpiperidin-2-yl} (phenyl)methyl]3-trifluoromethyl-benzamide ([11â€‰C]N-methyl-SSR504734) as a PET radioligand for glycine transporter 1. EJNMMI Research, 2012, 2, 37.	2.5	4
41	A thiol-mediated active membrane transport of selenium by erythroid anion exchanger 1 protein. Dalton Transactions, 2012, 41, 7340.	3.3	13
42	Absorption and retention characteristics of selenium in dorsal root ganglion neurons. Metallomics, 2011, 3, 1019.	2.4	4
43	Thiol-targeted introduction of selenocysteine to polypeptides for synthesis of glutathione peroxidase mimics. Metallomics, 2011, 3, 702.	2.4	6
44	Selenium in Seafood Materials. Journal of Health Science, 2011, 57, 215-224.	0.9	20
45	Synthesis and characterization of [125I]2-iodo N-[(S)-{(S)-1-methylpiperidin-2-yl}(phenyl)methyl]3-trifluoromethyl-benzamide as novel imaging probe for glycine transporter 1. Bioorganic and Medicinal Chemistry, 2011, 19, 6245-6253.	3.0	6
46	A dual fluorinated and iodinated radiotracer for PET and SPECT imaging of Î²-amyloid plaques in the brain. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6519-6522.	2.2	35
47	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
48	One-step direct reconstitution of biomembranes onto cationic organic polymer bead supports. Journal of Colloid and Interface Science, 2010, 351, 96-101.	9.4	3
49	99mTc/Re complexes based on flavone and aurone as SPECT probes for imaging cerebral Î²-amyloid plaques. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5743-5748.	2.2	45
50	An Ionic Polymer Bead-supported Lipid System Using Naturally Occurring Phospholipids. Journal of Bioactive and Compatible Polymers, 2010, 25, 455-464.	2.1	3
51	Novel Benzofurans with ^{99m}Tc Complexes as Probes for Imaging Cerebral Î²-Amyloid Plaques. ACS Medicinal Chemistry Letters, 2010, 1, 443-447.	2.8	25
52	Synthesis and Evaluation of Novel Chalcone Derivatives with ^{99m}Tc/Re Complexes as Potential Probes for Detection of Î²-Amyloid Plaques. ACS Chemical Neuroscience, 2010, 1, 598-607.	3.5	71
53	Synthesis and evaluation of new imaging agent for central nicotinic acetylcholine receptor Î±7 subtype. Nuclear Medicine and Biology, 2010, 37, 347-355.	0.6	30
54	Development of N-[11C]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

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55	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