Mamoru Haratake

List of Publications by Year
in descending order

85	1,572	279798	345221
papers	citations	23 h-index	36 g-index

85	85	85	1570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel Benzofuran Derivatives for PET Imaging of Î²-Amyloid Plaques in Alzheimer's Disease Brains. Journal of Medicinal Chemistry, 2006, 49, 2725-2730.	6.4	100
2	Radioiodinated Flavones for in Vivo Imaging of Î²-Amyloid Plaques in the Brain. Journal of Medicinal Chemistry, 2005, 48, 7253-7260.	6.4	81
3	Novel chalcones as probes for in vivo imaging of Î²-amyloid plaques in Alzheimerâ€™s brains. Bioorganic and Medicinal Chemistry, 2007, 15, 6802-6809.	3.0	78
4	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
5	Aurones serve as probes of Î²-amyloid plaques in Alzheimerâ€™s disease. Biochemical and Biophysical Research Communications, 2007, 361, 116-121.	2.1	70
6	Novel Radioiodinated Aurones as Probes for SPECT Imaging of Î²-Amyloid Plaques in the Brain. Bioconjugate Chemistry, 2009, 20, 95-101.	3.6	63
7	Fluoro-pegylated Chalcones as Positron Emission Tomography Probes for in Vivo Imaging of Î²-Amyloid Plaques in Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2009, 52, 6394-6401.	6.4	62
8	Development of novel Î²-amyloid probes based on 3,5-diphenyl-1,2,4-oxadiazole. Bioorganic and Medicinal Chemistry, 2008, 16, 6867-6872.	3.0	53
9	Structureâ€“activity relationship of chalcones and related derivatives as ligands for detecting of Î²-amyloid plaques in the brain. Bioorganic and Medicinal Chemistry, 2007, 15, 6388-6396.	3.0	48
10	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
11	Synthesis of vanadium(IV,V) hydroxamic acid complexes and in vivo assessment of their insulin-like activity. Journal of Biological Inorganic Chemistry, 2005, 10, 250-258.	2.6	35
12	18F-labeled flavones for in vivo imaging of Î²-amyloid plaques in Alzheimerâ€™s brains. Bioorganic and Medicinal Chemistry, 2009, 17, 2069-2076.	3.0	35
13	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
14	Pronounced Cellular Uptake of Pirarubicin versus That of Other Anthracyclines: Comparison of HPMA Copolymer Conjugates of Pirarubicin and Doxorubicin. Molecular Pharmaceutics, 2016, 13, 4106-4115.	4.6	34
15	Preparation and <i>in Vitro</i> Analysis of Human Serum Albumin Nanoparticles Loaded with Anthracycline Derivatives. Chemical and Pharmaceutical Bulletin, 2018, 66, 382-390.	1.3	34
16	Stereoselective intramolecular radical addition of polyhaloacetyl functions to 2-oxazolones. A facile synthesis of statine and its 2,2,-dichloro and 2,2-difluoro analogs. Journal of Organic Chemistry, 1993, 58, 1997-1998.	3.2	30
17	Synthesis and characterization of styrylchromone derivatives as Î²-amyloid imaging agents. Bioorganic and Medicinal Chemistry, 2007, 15, 444-450.	3.0	30
18	Selenium binding to human hemoglobin via selenotrisulfide. Biochimica Et Biophysica Acta - General Subjects, 2005, 1723, 215-220.	2.4	28

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19	Synthesis and biological evaluation of (E)-3-styrylpyridine derivatives as amyloid imaging agents for Alzheimer's disease. Nuclear Medicine and Biology, 2005, 32, 329-335.	0.6	27
20	Elevated amyloid-Î² plaque deposition in dietary selenium-deficient Tg2576 transgenic mice. Metallomics, 2013, 5, 479.	2.4	26
21	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
22	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
23	Albumin-Mediated Selenium Transfer by a Selenotrisulfide Relay Mechanism. Inorganic Chemistry, 2008, 47, 6273-6280.	4.0	24
24	Crystal Structures of Creatininase Reveal the Substrate Binding Site and Provide an Insight into the Catalytic Mechanism. Journal of Molecular Biology, 2004, 337, 399-416.	4.2	23
25	Synthesis and characterization of novel phenylindoles as potential probes for imaging of Î²-amyloid plaques in the brain. Bioorganic and Medicinal Chemistry, 2010, 18, 4740-4746.	3.0	23
26	Hemoglobin-mediated selenium export from red blood cells. Journal of Biological Inorganic Chemistry, 2008, 13, 471-479.	2.6	21
27	Nanoparticulate Glutathione Peroxidase Mimics Based on Selenocystineâ^'Pullulan Conjugates. Bioconjugate Chemistry, 2008, 19, 1831-1839.	3.6	21
28	Characterisation of radioiodinated flavonoid derivatives for SPECT imaging of cerebral prion deposits. Scientific Reports, 2016, 5, 18440.	3.3	21
29	Synthesis of hydrophilic macroporous chelating polymers and their versatility in the preconcentration of metals in seawater samples. Analytica Chimica Acta, 2006, 561, 183-190.	5.4	20
30	Synthesis and biological evaluation of radioiodinated 2,5-diphenyl-1,3,4-oxadiazoles for detecting Î²-amyloid plaques in the brain. Bioorganic and Medicinal Chemistry, 2009, 17, 6402-6406.	3.0	20
31	Selenium in Seafood Materials. Journal of Health Science, 2011, 57, 215-224.	0.9	20
32	Highly effective anti-tumor nanomedicines based on HPMA copolymer conjugates with pirarubicin prepared by controlled RAFT polymerization. Acta Biomaterialia, 2020, 106, 256-266.	8.3	20
33	An Assessment of Niboshi (a Processed Japanese Anchovy) as an Effective Food Source of Selenium. Journal of Health Science, 2007, 53, 457-463.	0.9	17
34	Superior Penetration and Cytotoxicity of HPMA Copolymer Conjugates of Pirarubicin in Tumor Cell Spheroid. Molecular Pharmaceutics, 2019, 16, 3452-3459.	4.6	17
35	Diphenylpropynone derivatives as probes for imaging Î²-amyloid plaques in Alzheimerâ€™s brains. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 117-120.	2.2	16
36	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

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37	Preparation of an ion-exchangeable polymer bead wrapped with bilayer membrane structures for high performance liquid chromatography. Analytica Chimica Acta, 2007, 589, 76-83.	5.4	13
38	Thiol-Dependent Membrane Transport of Selenium through an Integral Protein of the Red Blood Cell Membrane. Inorganic Chemistry, 2009, 48, 7805-7811.	4.0	13
39	A thiol-mediated active membrane transport of selenium by erythroid anion exchanger 1 protein. Dalton Transactions, 2012, 41, 7340.	3.3	13
40	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
41	Penicillamine Selenotrisulfide as a Selenium-Source in Mice. Journal of Health Science, 2004, 50, 366-371.	0.9	12
42	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
43	Acid-responsive HPMA copolymer-bradykinin conjugate enhances tumor-targeted delivery of nanomedicine. Journal of Controlled Release, 2021, 337, 546-556.	9.9	11
44	Atropisomerism in 4-(2-Thienyl)-4H-1,2,4-triazole Derivatives.. Chemical and Pharmaceutical Bulletin, 1992, 40, 220-223.	1.3	10
45	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
46	Discovery of inner centromere proteinâ€derived small peptides for cancer imaging and treatment targeting survivin. Cancer Science, 2020, 111, 1357-1366.	3.9	9
47	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
48	Cardiac myoglobin participates in the metabolic pathway of selenium in rats. Metallomics, 2018, 10, 614-622.	2.4	8
49	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
50	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
51	Sorption Characteristics of Anion-Exchange Resins Possessing Ï‰-Oxoalkyl or Ï‰-Hydroxyalkyl Spacer for Bile Acids. Analytical Sciences, 1989, 5, 687-690.	1.6	6
52	Thiol-targeted introduction of selenocysteine to polypeptides for synthesis of glutathione peroxidase mimics. Metallomics, 2011, 3, 702.	2.4	6
53	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
54	Characterization of Selenium Species in Extract from Niboshi (a Processed Japanese Anchovy). Chemical and Pharmaceutical Bulletin, 2012, 60, 348-353.	1.3	6

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55	Synthesis of Nanovesicular Glutathione Peroxidase Mimics with a Selenenylsulfide-Bearing Lipid. ACS Omega, 2016, 1, 58-65.	3.5	6
56	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
57	Sorption of phenols on anion-exchange resins having .OMEGA.-oxoalkyl or .OMEGA.-hydroxyalkyl spacer.. Analytical Sciences, 1988, 4, 591-594.	1.6	5
58	A Strontium-90 Sequestrant for First-Aid Treatment of Radiation Emergency. Chemical and Pharmaceutical Bulletin, 2012, 60, 1258-1263.	1.3	5
59	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
60	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
61	Preparation of macroreticular anion-exchange resins having spacers and an evaluation of these resins in the synthesis of sulfones. Reactive Polymers, Ion Exchangers, Sorbents, 1988, 8, 3-6.	0.0	4
62	Sorption characteristics of anion-exchange resins possessing a spacer arm for bile acids.. Chemical and Pharmaceutical Bulletin, 1989, 37, 1936-1938.	1.3	4
63	Absorption and retention characteristics of selenium in dorsal root ganglion neurons. Metallomics, 2011, 3, 1019.	2.4	4
64	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
65	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
66	Selenoprotein L-inspired nano-vesicular peroxidase mimics based on amphiphilic diselenides. Colloids and Surfaces B: Biointerfaces, 2018, 162, 172-178.	5.0	4
67	Adsorption of Nonionic Surfactants on Chemically Modified Styrene-Divinylbenzene Copolymers. Separation Science and Technology, 1991, 26, 1395-1402.	2.5	3
68	Direct Fusion between Poly(ethylene oxide)-lipid Modified Liposomes and Murine Mitotic B16 Melanoma Cells. Journal of Bioactive and Compatible Polymers, 2006, 21, 503-517.	2.1	3
69	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
70	An Ionic Polymer Bead-supported Lipid System Using Naturally Occurring Phospholipids. Journal of Bioactive and Compatible Polymers, 2010, 25, 455-464.	2.1	3
71	Fluorescence microscopic characterization of ionic polymer bead-supported phospholipid bilayer membrane systems. Colloids and Surfaces B: Biointerfaces, 2012, 100, 190-196.	5.0	3
72	A novel bifunctional chelating agent based on bis(hydroxamamide) for ^{99m}Tc labeling of polypeptides. Journal of Labelled Compounds and Radiopharmaceuticals, 2012, 55, 71-79.	1.0	3

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73	Preparation of Enzymatically Highly Active Pegylated-D-Amino Acid Oxidase and Its Application to Antitumor Therapy. Current Drug Delivery, 2021, 18, 1121-1129.	1.6	3
74	Interaction of oligopeptides with heparin. Macromolecular Symposia, 2001, 175, 117-126.	0.7	2
75	Improved membrane fluidity of ionic polysaccharide bead-supported phospholipid bilayer membrane systems. Colloids and Surfaces B: Biointerfaces, 2013, 107, 90-96.	5.0	2
76	Characterization of Selenium Species in the Shijimi Clam. Chemical and Pharmaceutical Bulletin, 2017, 65, 1045-1050.	1.3	2
77	In vitro assessment of bioavailability of selenium from a processed Japanese anchovy, Niboshi. Food Chemistry, 2018, 269, 436-441.	8.2	2
78	Characterization of Three Polymorphs of Tetrakis(3-(3,5-di-t-butyl-4-hydroxyphenyl)propionyloxymethyl)methane.. Analytical Sciences, 1991, 7, 665-668.	1.6	1
79	Oligopeptides as an Oral Delivery System II. Effect of Amino Acid Sequences on Aggregation Behavior. Journal of Bioactive and Compatible Polymers, 1997, 12, 282-293.	2.1	1
80	Oligopeptides as an Oral Delivery System: I. Aggregation Characteristics and Drug Encapsulation. Journal of Bioactive and Compatible Polymers, 1997, 12, 112-126.	2.1	1
81	Selenotrisulfide as a Metabolic Intermediate in Biological Systems. ACS Symposium Series, 2013, , 201-211.	0.5	1
82	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
83	Adsorption Characteristics of Alkylbenzene Sulfonates on Modified Styrene-divinylbenzene Copolymers and their Application.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1991, 1991, 1188-1192.	0.1	0
84	CHEMICALLY MODIFIED STYRENE-DIVINYLBENZENE COPOLYMERS AND THEIR APPLICATION TO PRE-CONCENTRATION OF SURFACTANTS. Analytical Sciences, 1991, 7, 79-82.	1.6	0
85	CHAPTER 5. Chemistry and Biochemistry: Selenium Species in Fish. Food and Nutritional Components in Focus, 2015, , 81-99.	0.1	0