

Ming-Rong Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121
papers

3,374
citations

29
h-index

56
g-index

131
ext. papers

4,052
ext. citations

5.9
avg, IF

4.77
L-index

#	Paper	IF	Citations
121	First-in-human in vivo ^{18}F imaging and quantification of monoacylglycerol lipase in the brain: a PET study with F-T-401.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022 , 1	8.8	0
120	Upregulation of Striatal Metabotropic Glutamate Receptor Subtype 1 (mGluR1) in Rats with Excessive Glutamate Release Induced by N-Acetylcysteine.. <i>Neurotoxicity Research</i> , 2022 , 40, 26	4.3	0
119	A multifunctional nanotheranostic agent potentiates erlotinib to EGFR wild-type non-small cell lung cancer.. <i>Bioactive Materials</i> , 2022 , 13, 312-323	16.7	3
118	Peptide-based nanomaterials: Self-assembly, properties and applications.. <i>Bioactive Materials</i> , 2022 , 11, 268-282	16.7	20
117	Rapid 'on-column' preparation of hydrogen ^{13}C cyanide from ^{13}C methyl iodide ^{13}C formaldehyde.. <i>Chemical Science</i> , 2022 , 13, 3556-3562	9.4	1
116	Development of a Stable Peptide-Based PET Tracer for Detecting CD133-Expressing Cancer Cells.. <i>ACS Omega</i> , 2022 , 7, 334-341	3.9	0
115	Quantification of monoacylglycerol lipase and its occupancy by an exogenous ligand in rhesus monkey brains using ^{18}F -T-401 and PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1735-1745	7.3	15
114	Neuroprotective effects of minocycline and KML29, a potent inhibitor of monoacylglycerol lipase, in an experimental stroke model: a small-animal positron emission tomography study. <i>Theranostics</i> , 2021 , 11, 9492-9502	12.1	1
113	Pharmacokinetic and pharmacodynamic assessment of histamine H ₂ receptor occupancy by enrisant: a human PET study with a novel H ₂ binding ligand, ^{11}C -TASP457. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 1	8.8	1
112	Positron Emission Tomography Imaging of the Endocannabinoid System: Opportunities and Challenges in Radiotracer Development. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 123-149	8.3	13
111	Design, Synthesis, and Biological Evaluation of Novel Fluorescent Probes Targeting the 18-kDa Translocator Protein. <i>ChemMedChem</i> , 2021 , 16, 1902-1916	3.7	1
110	Synthesis and preclinical evaluation of ^{11}C -MTP38 as a novel PET ligand for phosphodiesterase 7 in the brain. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 3101-3112	8.8	3
109	Radiosynthesis of F-fluoroethylated tracers via a simplified one-pot F-fluoroethylation method using ^{18}F -fluoroethyl tosylate. <i>Applied Radiation and Isotopes</i> , 2021 , 169, 109571	1.7	0
108	Synthesis of no-carrier-added ^{193}Pt -cisplatin from a cyclotron produced $^{193}\text{PtCl}_2$ complex. <i>Scientific Reports</i> , 2021 , 11, 8140	4.9	0
107	Flexible Supercapacitors Based on Graphene/Boron Nitride Nanosheets Electrodes and PVA/PEI Gel Electrolytes. <i>Materials</i> , 2021 , 14,	3.5	7
106	Development of a highly-specific F-labeled irreversible positron emission tomography tracer for monoacylglycerol lipase mapping. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 1686-1695	15.5	3
105	^{18}F -FEDAC translocator protein positron emission tomography-computed tomography for early detection of mitochondrial dysfunction secondary to myocardial ischemia. <i>Annals of Nuclear Medicine</i> , 2021 , 35, 927-936	2.5	1

104	Off-tumor IDO1 target engagements determine the cancer-immune set point and predict the immunotherapeutic efficacy 2021 , 9,		2
103	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	1.6	0
102	Cyclotron production of Ac from an electroplated Ra target. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 1	8.8	4
101	At-Labeled Polymer Nanoparticles for Targeted Radionuclide Therapy of Glucose-Dependent Insulinotropic Polypeptide Receptor (GIPR)-Overexpressed Cancer. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1763-1772	6.3	2
100	[C]phosgene: Synthesis and application for development of PET radiotracers. <i>Nuclear Medicine and Biology</i> , 2021 , 92, 138-148	2.1	3
99	Recent developments on PET radiotracers for TSPO and their applications in neuroimaging. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 373-393	15.5	27
98	Radiosynthesis and quality control testing of the tau imaging positron emission tomography tracer [F]PM-PBB3 for clinical applications. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2021 , 64, 109-119	1.9	4
97	Synthesis and preliminary evaluation of novel C-labeled GluN2B-selective NMDA receptor negative allosteric modulators. <i>Acta Pharmacologica Sinica</i> , 2021 , 42, 491-498	8	5
96	Positron Emission Tomography (PET) Imaging of Metabotropic Glutamate Receptor Subtype 2 (mGlu2) Based on a Negative Allosteric Modulator Radioligand. <i>NeuroMethods</i> , 2021 , 23-37	0.4	
95	Mapping of Translocator Protein (18 kDa) in Peripheral Sterile Inflammatory Disease and Cancer through PET Imaging. <i>Molecular Pharmaceutics</i> , 2021 , 18, 1507-1529	5.6	2
94	Automated radiosynthesis of two F-labeled tracers containing 3-fluoro-2-hydroxypropyl moiety, [F]FMISO and [F]PM-PBB3, via [F]epifluorohydrin. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2021 , 6, 23	5.8	0
93	Design, Synthesis, and Evaluation of C-Labeled 3-Acetyl-Indole Derivatives as a Novel Positron Emission Tomography Imaging Agent for Diacylglycerol Kinase Gamma (DGK) in Brain. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 11990-12002	8.3	0
92	Novel Reversible-Binding PET Ligands for Imaging Monoacylglycerol Lipase Based on the Piperazinyl Azetidone Scaffold. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 14283-14298	8.3	3
91	Distinct microglial response against Alzheimer's amyloid and tau pathologies characterized by P2Y12 receptor. <i>Brain Communications</i> , 2021 , 3, fcab011	4.5	13
90	Radiosynthesis and evaluation of acetamidobenzoxazolone based radioligand [11C]N ⁷ -MPB for visualization of 18 kDa TSPO in brain. <i>New Journal of Chemistry</i> , 2020 , 44, 7912-7922	3.6	5
89	Radiosynthesis and evaluation of 4-(6-[F]Fluoro-4-(5-isopropoxy-1-indazol-3-yl)pyridin-2-yl)morpholine as a novel radiotracer candidate targeting leucine-rich repeat kinase 2. <i>RSC Medicinal Chemistry</i> , 2020 , 11, 676-684	3.5	2
88	Simultaneous measurements of the molar radioactivity, radiochemical purity and chemical impurity in the [C]choline injection using radio-HPLC with a corona-charged aerosol detector. <i>Applied Radiation and Isotopes</i> , 2020 , 162, 109192	1.7	0
87	Marriage of black phosphorus and Cu as effective photothermal agents for PET-guided combination cancer therapy. <i>Nature Communications</i> , 2020 , 11, 2778	17.4	121

86	Development of an In Vivo Method to Estimate Effective Drug Doses and Quantify Fatty Acid Amide Hydrolase in Rodent Brain using Positron Emission Tomography Tracer [C]DFMC. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020 , 373, 353-360	4.7	2
85	6-[I]Iodo-9-pentylpurine for Imaging the Activity of the Sodium Iodide Symporter in the Brain. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 1717-1723	8.3	2
84	Stretchable Sensors: Customization of Conductive Elastomer Based on PVA/PEI for Stretchable Sensors (Small 7/2020). <i>Small</i> , 2020 , 16, 2070037	11	3
83	Radiosynthesis of [thiocarbonyl-C]disulfiram and its first PET study in mice. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 126998	2.9	0
82	PET Imaging of VEGFR with a Novel Cu-Labeled Peptide. <i>ACS Omega</i> , 2020 , 5, 8508-8514	3.9	8
81	Self-Assembly of Constrained Cyclic Peptides Controlled by Ring Size. <i>CCS Chemistry</i> , 2020 , 2, 42-51	7.2	11
80	In vivo monitoring of remnant undifferentiated neural cells following human induced pluripotent stem cell-derived neural stem/progenitor cells transplantation. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 465-477	6.9	15
79	Customization of Conductive Elastomer Based on PVA/PEI for Stretchable Sensors. <i>Small</i> , 2020 , 16, e1904758	11.58	64
78	Boron agents for neutron capture therapy. <i>Coordination Chemistry Reviews</i> , 2020 , 405, 213139	23.2	56
77	Synthesis and preliminary studies of C-labeled tetrahydro-1,7-naphthyridine-2-carboxamides for PET imaging of metabotropic glutamate receptor 2. <i>Theranostics</i> , 2020 , 10, 11178-11196	12.1	5
76	3-(Cyclopropylmethyl)-7-((4-(4-[C]methoxyphenyl)piperidin-1-yl)methyl)-8-(trifluoromethyl)-[1,2,4]triazolo[4,3-a]pyridine Synthesis and preliminary evaluation for PET imaging of metabotropic glutamate receptor subtype 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127555	2.9	
75	Identification and Development of a New Positron Emission Tomography Ligand 4-(2-Fluoro-4-[C]methoxyphenyl)-5-((1-methyl-1-pyrazol-3-yl)methoxy)picolinamide for Imaging Metabotropic Glutamate Receptor Subtype 2 (mGlu). <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 11469-11483	8.3	2
74	Harnessing the PD-L1 interface peptide for positron emission tomography imaging of the PD-1 immune checkpoint. <i>RSC Chemical Biology</i> , 2020 , 1, 214-224	3	2
73	I-IITM and At-AITM: Two Novel Small-Molecule Radiopharmaceuticals Targeting Oncoprotein Metabotropic Glutamate Receptor 1. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 242-248	8.9	8
72	Design, Synthesis, and Evaluation of F-Labeled Monoacylglycerol Lipase Inhibitors as Novel Positron Emission Tomography Probes. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 8866-8872	8.3	11
71	Production of Pt from an iridium target by vertical beam irradiation and simultaneous alkali fusion. <i>Applied Radiation and Isotopes</i> , 2019 , 149, 31-37	1.7	1
70	Design, Synthesis, and Evaluation of Reversible and Irreversible Monoacylglycerol Lipase Positron Emission Tomography (PET) Tracers Using a "Tail Switching" Strategy on a Piperazinyl Azetidone Skeleton. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 3336-3353	8.3	18
69	Radiosynthesis and evaluation of a novel monoacylglycerol lipase radiotracer: 1,1,1,3,3,3-hexafluoropropan-2-yl-3-(1-benzyl-1H-pyrazol-3-yl)azetidone-1-[C]carboxylate. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 3568-3573	3.4	4

68	Developing native peptide-based radiotracers for PD-L1 PET imaging and improving imaging contrast by pegylation. <i>Chemical Communications</i> , 2019 , 55, 4162-4165	5.8	16
67	Design, Synthesis, and Evaluation of (4R)-1-{3-[2-(F)Fluoro-4-methylpyridin-3-yl]phenyl}-4-[4-(1,3-thiazol-2-ylcarbonyl)piperazin-1-yl]pyrrolidin-2-one ([F]T-401) as a Novel Positron-Emission Tomography Imaging Agent for Monoacylglycerol Lipase. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 2362-2375	8.3	17
66	Synthesis and evaluation of 4-(2-fluoro-4-[C]methoxyphenyl)-5-((2-methylpyridin-4-yl)methoxy)picolinamide for PET imaging of the metabotropic glutamate receptor 2 in the rat brain. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 483-491	3.4	8
65	Synthesis and Preliminary Evaluation of C-Labeled VU0467485/AZ13713945 and Its Analogues for Imaging Muscarinic Acetylcholine Receptor Subtype 4. <i>ChemMedChem</i> , 2019 , 14, 303-309	3.7	4
64	Tau imaging detects distinctive distribution of tau pathology in ALS/PDC on the Kii Peninsula. <i>Neurology</i> , 2019 , 92, e136-e147	6.5	11
63	Development of 2-(2-(3-(4-([F]Fluoromethoxy-d)phenyl)-7-methyl-4-oxo-3,4-dihydroquinazolin-2-yl)ethyl)-4-isopropoxyisoindoline-1,3-dione for Positron-Emission-Tomography Imaging of Phosphodiesterase 10A in the Brain. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 488-498	8.3	5
62	In Vitro and in Vivo Evaluation of C-Labeled Azetidincarboxylates for Imaging Monoacylglycerol Lipase by PET Imaging Studies. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 2278-2291	8.3	29
61	Evaluation of the novel TSPO radiotracer 2-(7-butyl-2-(4-(2-([F]fluoroethoxy)phenyl)-5-methylpyrazolo[1,5-a]pyrimidin-3-yl)-N,N-diethylacetamide in a preclinical model of neuroinflammation. <i>European Journal of Medicinal Chemistry</i> , 2018 , 150, 1-8	6.8	7
60	F-FEDAC as a Targeting Agent for Activated Macrophages in DBA/1 Mice with Collagen-Induced Arthritis: Comparison with F-FDG. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 839-845	8.9	14
59	Automated Synthesis of (rac)-, (R)-, and (S)-[F]Epifluorohydrin and Their Application for Developing PET Radiotracers Containing a 3-[F]Fluoro-2-hydroxypropyl Moiety. <i>ChemMedChem</i> , 2018 , 13, 1723-1731	3.7	4
58	First demonstration of in vivo mapping for regional brain monoacylglycerol lipase using PET with [C]SAR127303. <i>NeuroImage</i> , 2018 , 176, 313-320	7.9	17
57	Synthesis, pharmacology and preclinical evaluation of C-labeled 1,3-dihydro-2H-benzo[d]imidazole-2-ones for imaging β -dependent transmembrane AMPA receptor regulatory protein. <i>European Journal of Medicinal Chemistry</i> , 2018 , 157, 898-908	6.8	11
56	[F]DAA1106: Automated radiosynthesis using spirocyclic iodonium ylide and preclinical evaluation for positron emission tomography imaging of translocator protein (18 kDa). <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 4817-4822	3.4	10
55	In vivo imaging of activated macrophages by F-FEDAC, a TSPO targeting PET ligand, in the use of biologic disease-modifying anti-rheumatic drugs (bDMARDs). <i>Biochemical and Biophysical Research Communications</i> , 2018 , 506, 216-222	3.4	10
54	Synthesis of two novel [F]fluorobenzene-containing radiotracers via spirocyclic iodonium ylides and positron emission tomography imaging of translocator protein (18 kDa) in ischemic brain. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 8325-8335	3.9	3
53	Synthesis and evaluation of 1-(cyclopropylmethyl)-4-(4-[C]methoxyphenyl)-piperidin-1-yl-2-oxo-1,2-dihydropyridine-3-carbonitrile ([C]CMDC) for PET imaging of metabotropic glutamate receptor 2 in the rat brain. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 1011-1021	3.4	11
52	Development of a F-Labeled Radiotracer with Improved Brain Kinetics for Positron Emission Tomography Imaging of Translocator Protein (18 kDa) in Ischemic Brain and Glioma. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 4047-4061	8.3	15
51	A Facile Radiolabeling of [F]FDPA via Spirocyclic Iodonium Ylides: Preliminary PET Imaging Studies in Preclinical Models of Neuroinflammation. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 5222-5227	8.3	31

50	Synthesis and Preliminary Studies of a Novel Negative Allosteric Modulator, 7-((2,5-Dioxopyrrolidin-1-yl)methyl)-4-(2-Fluoro-4-[C]methoxyphenyl) quinoline-2-carboxamide, for Imaging of Metabotropic Glutamate Receptor 2. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 1937-1948	5.7	18
49	Comparison between [F]fluorination and [F]fluoroethylation reactions for the synthesis of the PDE10A PET radiotracer [F]MNI-659. <i>Nuclear Medicine and Biology</i> , 2017 , 55, 12-18	2.1	3
48	Radiosynthesis and evaluation of new PET ligands for peripheral cannabinoid receptor type 1 imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 4114-4117	2.9	8
47	Norepinephrine Transporter in Major Depressive Disorder: A PET Study. <i>American Journal of Psychiatry</i> , 2017 , 174, 36-41	11.9	29
46	Occupancy of Norepinephrine Transporter by Duloxetine in Human Brains Measured by Positron Emission Tomography with (S,S)-[18F]FMeNER-D2. <i>International Journal of Neuropsychopharmacology</i> , 2017 , 20, 957-962	5.8	30
45	Synthesis and Preliminary PET Imaging Studies of a FAAH Radiotracer ([11C]MPPO) Based on Ketoheterocyclic Scaffold. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 109-118	5.7	13
44	Synthesis and Preclinical Evaluation of Sulfonamido-based [(11)C-Carbonyl]-Carbamates and Ureas for Imaging Monoacylglycerol Lipase. <i>Theranostics</i> , 2016 , 6, 1145-59	12.1	36
43	Development of [(11)C]MFTC for PET imaging of fatty acid amide hydrolase in rat and monkey brains. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 339-46	5.7	19
42	[18F]FPBMP: A potential new positron emission tomography radioligand for imaging of translocator protein (18 kDa) in peripheral organs of rats. <i>RSC Advances</i> , 2015 , 5, 101447-101454	3.7	10
41	Development of the Fibronectin-Mimetic Peptide KSSPHSRN(SG)5RGDSP as a Novel Radioprobe for Molecular Imaging of the Cancer Biomarker $\alpha_5\beta_1$ Integrin. <i>Biological and Pharmaceutical Bulletin</i> , 2015 , 38, 1722-31	2.3	9
40	Utility of Translocator Protein (18 kDa) as a Molecular Imaging Biomarker to Monitor the Progression of Liver Fibrosis. <i>Scientific Reports</i> , 2015 , 5, 17327	4.9	30
39	[18F]FEBMP: Positron Emission Tomography Imaging of TSPO in a Model of Neuroinflammation in Rats, and in vitro Autoradiograms of the Human Brain. <i>Theranostics</i> , 2015 , 5, 961-9	12.1	37
38	Characterization of a novel acetamidobenzoxazolone-based PET ligand for translocator protein (18 kDa) imaging of neuroinflammation in the brain. <i>Journal of Neurochemistry</i> , 2014 , 129, 712-20	6	31
37	Quantification of central substance P receptor occupancy by aprepitant using small animal positron emission tomography. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 18,	5.8	3
36	Visualization of acute liver damage induced by cycloheximide in rats using PET with [(18)F]FEDAC, a radiotracer for translocator protein (18 kDa). <i>PLoS ONE</i> , 2014 , 9, e86625	3.7	24
35	Production of (211)At by a vertical beam irradiation method. <i>Applied Radiation and Isotopes</i> , 2014 , 94, 363-371	1.7	23
34	Synthesis and evaluation of new (18)F-labelled acetamidobenzoxazolone-based radioligands for imaging of the translocator protein (18 kDa, TSPO) in the brain. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 9621-30	3.9	22
33	[18F]FMeNER-D2: reliable fully-automated synthesis for visualization of the norepinephrine transporter. <i>Nuclear Medicine and Biology</i> , 2013 , 40, 1049-54	2.1	17

32	Synthesis and evaluation of novel radioligands for positron emission tomography imaging of metabotropic glutamate receptor subtype 1 (mGluR1) in rodent brain. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 2342-52	8.3	36
31	Translocator protein (18 kDa), a potential molecular imaging biomarker for non-invasively distinguishing non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2012 , 57, 1076-82	13.4	41
30	PET imaging of lung inflammation with [18F]FEDAC, a radioligand for translocator protein (18 kDa). <i>PLoS ONE</i> , 2012 , 7, e45065	3.7	56
29	Visualization of early infarction in rat brain after ischemia using a translocator protein (18 kDa) PET ligand [11C]DAC with ultra-high specific activity. <i>NeuroImage</i> , 2011 , 54, 123-30	7.9	39
28	Nitroaldol reaction of nitro[11C]methane to form 2-(hydroxymethyl)-2-nitro[2-11C]propane-1,3-diol and [11C]Tris. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011 , 54, 140-144	1.9	5
27	Synthesis and evaluation of novel carbon-11 labeled oxopurine analogues for positron emission tomography imaging of translocator protein (18 kDa) in peripheral organs. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 6040-9	8.3	8
26	18F-FEAC and 18F-FEDAC: PET of the monkey brain and imaging of translocator protein (18 kDa) in the infarcted rat brain. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1301-9	8.9	47
25	In vivo imaging and quantitative analysis of TSPO in rat peripheral tissues using small-animal PET with [18F]FEDAC. <i>Nuclear Medicine and Biology</i> , 2010 , 37, 853-60	2.1	15
24	Imaging of the translocator protein (18 kDa) in rat brain after ischemia using [11C]DAC with ultra-high specific activity. <i>Synapse</i> , 2010 , 64, 488-93	2.4	13
23	[18F]FEAC and [18F]FEDAC: Two novel positron emission tomography ligands for peripheral-type benzodiazepine receptor in the brain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 1707-10	2.9	29
22	In vivo mapping of substance P receptors in brains of laboratory animals by high-resolution imaging systems. <i>Synapse</i> , 2007 , 61, 205-15	2.4	17
21	[18F]Fluoroalkyl agents: synthesis, reactivity and application for development of PET ligands in molecular imaging. <i>Current Topics in Medicinal Chemistry</i> , 2007 , 7, 1817-28	3	43
20	11C-AC-5216: a novel PET ligand for peripheral benzodiazepine receptors in the primate brain. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 1853-61	8.9	65
19	[2-11C]isopropyl-, [1-11C]ethyl-, and [11C]methyl-labeled phenoxyphenyl acetamide derivatives as positron emission tomography ligands for the peripheral benzodiazepine receptor: radiosynthesis, uptake, and in vivo binding in brain. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 2735-42	8.3	31
18	Translocator protein (18kDa): new nomenclature for the peripheral-type benzodiazepine receptor based on its structure and molecular function. <i>Trends in Pharmacological Sciences</i> , 2006 , 27, 402-9	13.2	1097
17	Selective synthesis of [2-(11C)]2-iodopropane and [1-(11C)]iodoethane using the loop method by reacting methylmagnesium bromide with [11C]carbon dioxide. <i>Applied Radiation and Isotopes</i> , 2006 , 64, 216-22	1.7	9
16	Quantitative analyses of 18F-FEDAA1106 binding to peripheral benzodiazepine receptors in living human brain. <i>Journal of Nuclear Medicine</i> , 2006 , 47, 43-50	8.9	73
15	Synthesis and evaluation of N-(5-fluoro-2-phenoxyphenyl)-N-(2-[(18F)fluoromethoxy-d(2)-5-methoxybenzyl]acetamide: a deuterium-substituted radioligand for peripheral benzodiazepine receptor. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 1811-9	3.4	37

14	Sources of carbon which decrease the specific activity of [11C]CH3I synthesized by the single pass I2 method. <i>Applied Radiation and Isotopes</i> , 2005 , 62, 447-50	1.7	18
13	Novel peripheral benzodiazepine receptor ligand [11C]DAA1106 for PET: an imaging tool for glial cells in the brain. <i>Synapse</i> , 2004 , 52, 283-91	2.4	134
12	Development of a new radioligand, N-(5-fluoro-2-phenoxyphenyl)-N-(2-[18F]fluoroethyl-5-methoxybenzyl)acetamide, for pet imaging of peripheral benzodiazepine receptor in primate brain. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 2228-35	8.3	126
11	How to increase the reactivity of [18F]fluoroethyl bromide: [18F]fluoroethylation of amine, phenol and amide functional groups with [18F]FetBr, [18F]FetBr/Nal and [18F]FetOTf. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2003 , 46, 587-598	1.9	21
10	[18F]FMDAA1106 and [18F]FEDAA1106: two positron-emitter labeled ligands for peripheral benzodiazepine receptor (PBR). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 201-4	2.9	79
9	N-[18F]fluoroethyl-4-piperidyl acetate ([18F]FetP4A): A PET tracer for imaging brain acetylcholinesterase in vivo. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 2519-27	3.4	11
8	[(11)C]DAA1106: radiosynthesis and in vivo binding to peripheral benzodiazepine receptors in mouse brain. <i>Nuclear Medicine and Biology</i> , 2003 , 30, 513-9	2.1	127
7	Synthesis and preliminary PET study of the 5-HT7 receptor antagonist [11C]DR4446. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2002 , 45, 857-866	1.9	24
6	Development of an automated system for synthesizing 18F-labeled compounds using [18F]fluoroethyl bromide as a synthetic precursor. <i>Applied Radiation and Isotopes</i> , 2002 , 57, 335-42	1.7	42
5	Synthesis and preliminary evaluation of [18F]FetP4A, a promising PET tracer for mapping acetylcholinesterase in vivo. <i>Nuclear Medicine and Biology</i> , 2002 , 29, 463-8	2.1	23
4	In vivo binding properties of [carbonyl-11C]WAY-100635: effect of endogenous serotonin. <i>Synapse</i> , 2001 , 40, 122-9	2.4	49
3	In vivo visualization of propagating β synuclein pathologies in mouse and marmoset models by a bimodal imaging probe, C05-05		2
2	High-contrast in-vivo imaging of tau pathologies in Alzheimer β and non-Alzheimer β disease tauopathies		6
1	Self-Assembly of Constrained Cyclic Peptides Controlled by Ring Size. <i>CCS Chemistry</i> , 42-51	7.2	