

# Peter Brust

## List of Publications by Year in descending order

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116  
papers

1,868  
citations

218381

26  
h-index

377514

34  
g-index

119  
all docs

119  
docs citations

119  
times ranked

1606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery and development of brain-penetrant 18F-labeled radioligands for neuroimaging of the sigma-2 receptors. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1406-1415.	5.7	6
2	Non-Invasive Assessment of Locally Overexpressed Human Adenosine 2A Receptors in the Heart of Transgenic Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1025.	1.8	1
3	Amphiphilic Anionic Oligomer-Stabilized Calcium Phosphate Nanoparticles with Prospects in siRNA Delivery via Convection-Enhanced Delivery. <i>Pharmaceutics</i> , 2022, 14, 326.	2.0	6
4	Synthesis and characterization of the two enantiomers of a chiral sigma-1 receptor radioligand: (S)-(+)- and (R)-(-)-[18F]FBFP. <i>Chinese Chemical Letters</i> , 2022, 33, 3543-3548.	4.8	6
5	Development and Biological Evaluation of the First Highly Potent and Specific Benzamide-Based Radiotracer [18F]BA3 for Imaging of Histone Deacetylases 1 and 2 in Brain. <i>Pharmaceutics</i> , 2022, 15, 324.	1.7	0
6	Automated radiosynthesis of the adenosine A <sub>2A</sub> receptor-targeting radiotracer [ <sup>18</sup> F]FLUDA. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2022, , .	0.5	1
7	Quantitation of the A <sub>2A</sub> Adenosine Receptor Density in the Striatum of Mice and Pigs with [18F]FLUDA by Positron Emission Tomography. <i>Pharmaceutics</i> , 2022, 15, 516.	1.7	3
8	Structure-Based Design, Optimization, and Development of [ <sup>18</sup> F]LU13: A Novel Radioligand for Cannabinoid Receptor Type 2 Imaging in the Brain with PET. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 9034-9049.	2.9	10
9	(+)-[18F]Flubatine as a novel $\alpha_2$ nicotinic acetylcholine receptor PET ligand—results of the first-in-human brain imaging application in patients with $\beta$ -amyloid PET-confirmed Alzheimer's disease and healthy controls. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 731-746.	3.3	10
10	Synthesis and Biological Evaluation of a Novel 18F-Labeled Radiotracer for PET Imaging of the Adenosine A <sub>2A</sub> Receptor. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1182.	1.8	10
11	Development of 18F-Labeled Radiotracers for PET Imaging of the Adenosine A <sub>2A</sub> Receptor: Synthesis, Radiolabeling and Preliminary Biological Evaluation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2285.	1.8	5
12	Preclinical Evaluation of [18F]FACH in Healthy Mice and Piglets: An 18F-Labeled Ligand for Imaging of Monocarboxylate Transporters with PET. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1645.	1.8	0
13	Improved in vivo PET imaging of the adenosine A <sub>2A</sub> receptor in the brain using [18F]FLUDA, a deuterated radiotracer with high metabolic stability. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2727-2736.	3.3	18
14	Validation of an LC-MS/MS Method to Quantify the New TRPC6 Inhibitor SH045 (Larixyl) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (N</i> <i>Pharmaceutics</i> , 2021, 14, 259.	1.7	3
15	Pathophysiological Changes in the Enteric Nervous System of Rotenone-Exposed Mice as Early Radiological Markers for Parkinson's Disease. <i>Frontiers in Neurology</i> , 2021, 12, 642604.	1.1	8
16	Challenges on Cyclic Nucleotide Phosphodiesterases Imaging with Positron Emission Tomography: Novel Radioligands and (Pre-)Clinical Insights since 2016. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3832.	1.8	4
17	Synthesis of Novel Fluorinated Xanthine Derivatives with High Adenosine A <sub>2B</sub> Receptor Binding Affinity. <i>Pharmaceutics</i> , 2021, 14, 485.	1.7	1
18	Design, Radiosynthesis and Preliminary Biological Evaluation in Mice of a Brain-Penetrant 18F-Labelled $\beta$ 2 Receptor Ligand. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5447.	1.8	6

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19	Development of [ <sup>18</sup> F]LU14 for PET Imaging of Cannabinoid Receptor Type 2 in the Brain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8051.	1.8	8
20	In vitro and in vivo evaluation of fluorinated indanone derivatives as potential positron emission tomography agents for the imaging of monoamine oxidase B in the brain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 48, 128254.	1.0	7
21	Sigma-1 and dopamine D2/D3 receptor occupancy of pridopidine in healthy volunteers and patients with Huntington disease: a [ <sup>18</sup> F] fluspidine and [ <sup>18</sup> F] fallypride PET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1103-1115.	3.3	28
22	PET Imaging of the $\alpha_4\beta_2$ Nicotinic Acetylcholine Receptors in Alzheimer's Disease. , 2021, , 345-365.		0
23	In Silico Finding of Key Interaction Mediated $\alpha_3\beta_4$ and $\alpha_7$ Nicotinic Acetylcholine Receptor Ligand Selectivity of Quinuclidine-Triazole Chemotype. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6189.	1.8	5
24	Newly Synthesized Fluorinated Cinnamylpiperazines Possessing Low In Vitro MAO-B Binding. <i>Molecules</i> , 2020, 25, 4941.	1.7	4
25	Development of Novel Analogs of the Monocarboxylate Transporter Ligand FACH and Biological Validation of One Potential Radiotracer for Positron Emission Tomography (PET) Imaging. <i>Molecules</i> , 2020, 25, 2309.	1.7	4
26	Sigma-1 Receptor Positron Emission Tomography: A New Molecular Imaging Approach Using (S)-( $\alpha^+$ )-[ <sup>18</sup> F]Fluspidine in Glioblastoma. <i>Molecules</i> , 2020, 25, 2170.	1.7	5
27	Preclinical Incorporation Dosimetry of [ <sup>18</sup> F]FACH: A Novel 18F-Labeled MCT1/MCT4 Lactate Transporter Inhibitor for Imaging Cancer Metabolism with PET. <i>Molecules</i> , 2020, 25, 2024.	1.7	3
28	The sigma-1 receptor: Potential role in the modulation of cellular radiation sensitivity. <i>Journal of Cellular Biotechnology</i> , 2020, , 1-9.	0.1	0
29	Development of a Radiofluorinated Adenosine A2B Receptor Antagonist as Potential Ligand for PET Imaging. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3197.	1.8	3
30	Positron Emission Tomography Imaging Evaluation of a Novel 18F-Labeled Sigma-1 Receptor Radioligand in Cynomolgus Monkeys. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1673-1681.	1.7	10
31	PET Imaging of the Adenosine A2A Receptor in the Rotenone-Based Mouse Model of Parkinson's Disease with [ <sup>18</sup> F]FESCH Synthesized by a Simplified Two-Step One-Pot Radiolabeling Strategy. <i>Molecules</i> , 2020, 25, 1633.	1.7	12
32	Synthesis and evaluation of new 1-oxa-8-azaspiro[4.5]decane derivatives as candidate radioligands for sigma-1 receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115560.	1.4	6
33	Imaging sigma receptors in the brain: New opportunities for diagnosis of Alzheimer's disease and therapeutic development. <i>Neuroscience Letters</i> , 2019, 691, 3-10.	1.0	24
34	In vitro and in vivo Human Metabolism of (S)-[ <sup>18</sup> F]Fluspidine: A Radioligand for Imaging $\beta_1$ Receptors With Positron Emission Tomography (PET). <i>Frontiers in Pharmacology</i> , 2019, 10, 534.	1.6	9
35	Synthesis and In Vitro Evaluation of 8-Pyridinyl-Substituted Benzo[e]imidazo[2,1-c][1,2,4]triazines as Phosphodiesterase 2A Inhibitors. <i>Molecules</i> , 2019, 24, 2791.	1.7	9
36	Targeting cyclic nucleotide phosphodiesterase 5 (PDE5) in brain: Toward the development of a PET radioligand labeled with fluorine-18. <i>Bioorganic Chemistry</i> , 2019, 86, 346-362.	2.0	14

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37	Structure-â€ˆAffinity Relationships of Fluorinated Spirocyclic Î² <sub>2</sub> Receptor Ligands with an Exocyclic Benzylamino Moiety. <i>ChemMedChem</i> , 2019, 14, 1392-1402.	1.6	1
38	Development and radiosynthesis of the first <sup>18</sup> F-labeled inhibitor of monocarboxylate transporters (MCTs). <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 411-424.	0.5	6
39	<sup>18</sup> F-labeled benzylpiperazine derivatives as highly selective ligands for imaging Î² <sub>1</sub> receptor with positron emission tomography. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 425-437.	0.5	2
40	Application of Fourier Analysis of Cerebral Glucose Metabolism in Color-Induced Long-Term Potentiation: A Novel Functional PET Spectroscopy (fPETS) Study in Mice. , 2019, , .		0
41	One-step radiosynthesis of the MCTs imaging agent [ <sup>18</sup> F]FACH by aliphatic <sup>18</sup> F-labelling of a methylsulfonate precursor containing an unprotected carboxylic acid group. <i>Scientific Reports</i> , 2019, 9, 18890.	1.6	5
42	Radiosynthesis and Biological Investigation of a Novel Fluorine-18 Labeled Benzoimidazotriazine-Based Radioligand for the Imaging of Phosphodiesterase 2A with Positron Emission Tomography. <i>Molecules</i> , 2019, 24, 4149.	1.7	5
43	Studies towards the development of a PET radiotracer for imaging of the P2Y1 receptors in the brain: synthesis, <sup>18</sup> F-labeling and preliminary biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2019, 165, 142-159.	2.6	12
44	Synthesis and radiofluorination of novel fluoren-9-one based derivatives for the imaging of Î± <sub>7</sub> nicotinic acetylcholine receptor with PET. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1471-1475.	1.0	7
45	Fourier Analysis of Cerebral Metabolism of Glucose: Gender Differences in Mechanisms of Color Processing in the Ventral and Dorsal Streams in Mice. <i>Forecasting</i> , 2018, 1, 135-156.	1.6	1
46	Synthesis, Receptor Affinity, and Antiallodynic Activity of Spirocyclic Î² Receptor Ligands with Exocyclic Amino Moiety. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9666-9690.	2.9	9
47	Investigation of an <sup>18</sup> F-labelled Imidazopyridotriazine for Molecular Imaging of Cyclic Nucleotide Phosphodiesterase 2A. <i>Molecules</i> , 2018, 23, 556.	1.7	9
48	Bridging from Brain to Tumor Imaging: (S)-(âˆ™)- and (R)-(+)-[ <sup>18</sup> F]Fluspidine for Investigation of Sigma-1 Receptors in Tumor-Bearing Mice. <i>Molecules</i> , 2018, 23, 702.	1.7	9
49	Radiosynthesis and in vivo evaluation of a fluorine-18 labeled pyrazine based radioligand for PET imaging of the adenosine A2B receptor. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4650-4663.	1.4	17
50	Exploring the Metabolism of (+)-[ <sup>18</sup> F]Flubatine In Vitro and In Vivo: LC-MS/MS Aided Identification of Radiometabolites in a Clinical PET Study â€ˆ. <i>Molecules</i> , 2018, 23, 464.	1.7	9
51	Radiosynthesis and biological evaluation of the new PDE10A radioligand [ <sup>18</sup> F]AQ28A. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 36-48.	0.5	15
52	PET Imaging Evaluation of Four Î² <sub>1</sub> Radiotracers in Nonhuman Primates. <i>Journal of Nuclear Medicine</i> , 2017, 58, 982-988.	2.8	24
53	PET imaging of Î± <sub>7</sub> nicotinic acetylcholine receptors: a comparative study of [ <sup>18</sup> F]ASEM and [ <sup>18</sup> F]DBT-10 in nonhuman primates, and further evaluation of [ <sup>18</sup> F]ASEM in humans. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1042-1050.	3.3	47
54	1-(4-[ <sup>18</sup> F]Fluorobenzyl)-4-[(tetrahydrofuran-2-yl)methyl]piperazine: A Novel Suitable Radioligand with Low Lipophilicity for Imaging Î² <sub>1</sub> Receptors in the Brain. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4161-4172.	2.9	24

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55	Synthesis and in vitro evaluation of new fluorinated quinoline derivatives with high affinity for PDE5: Towards the development of new PET neuroimaging probes. <i>European Journal of Medicinal Chemistry</i> , 2017, 136, 548-560.	2.6	18
56	Development of Highly Affine and Selective Fluorinated Cannabinoid Type 2 Receptor Ligands. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 566-571.	1.3	10
57	<sup>18</sup> F-Labeled indole-based analogs as highly selective radioligands for imaging sigma-2 receptors in the brain. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3792-3802.	1.4	18
58	The evaluations of <sup>99m</sup> Tc cyclopentadienyl tricarbonyl triphenyl phosphonium cation for multidrug resistance. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3551-3554.	1.0	7
59	PET Imaging for Early Detection of Alzheimer's Disease. <i>PET Clinics</i> , 2017, 12, 329-350.	1.5	44
60	Radiosynthesis of (S)-[ <sup>18</sup> F]T1: The first PET radioligand for molecular imaging of $\alpha 4 \beta 2$ nicotinic acetylcholine receptors. <i>Applied Radiation and Isotopes</i> , 2017, 124, 106-113.	0.7	6
61	Do spiroindolines have the potential to replace vesamicol as lead compound for the development of radioligands targeting the vesicular acetylcholine transporter?. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5107-5113.	1.4	9
62	Synthesis and Preliminary Biological Evaluation of Indol-3-yl-oxoacetamides as Potent Cannabinoid Receptor Type 2 Ligands. <i>Molecules</i> , 2017, 22, 77.	1.7	3
63	Development of Fluorinated Non-Peptidic Ghrelin Receptor Ligands for Potential Use in Molecular Imaging. <i>International Journal of Molecular Sciences</i> , 2017, 18, 768.	1.8	10
64	Gender differences in cerebral metabolism for color processing in mice: A PET/MRI Study. <i>PLoS ONE</i> , 2017, 12, e0179919.	1.1	4
65	Novel Radioligands for Cyclic Nucleotide Phosphodiesterase Imaging with Positron Emission Tomography: An Update on Developments Since 2012. <i>Molecules</i> , 2016, 21, 650.	1.7	21
66	Evaluation of the Enantiomer Specific Biokinetics and Radiation Doses of [ <sup>18</sup> F]Fluspidine: A New Tracer in Clinical Translation for Imaging of $\alpha 1$ Receptors. <i>Molecules</i> , 2016, 21, 1164.	1.7	34
67	LC-MS Supported Studies on the in Vitro Metabolism of both Enantiomers of Flubatine and the in Vivo Metabolism of (+)-[ <sup>18</sup> F]Flubatine: A Positron Emission Tomography Radioligand for Imaging $\alpha 4 \beta 2$ Nicotinic Acetylcholine Receptors. <i>Molecules</i> , 2016, 21, 1200.	1.7	12
68	Development of a New Radiofluorinated Quinoline Analog for PET Imaging of Phosphodiesterase 5 (PDE5) in Brain. <i>Pharmaceuticals</i> , 2016, 9, 22.	1.7	15
69	A novel thermoregulatory role for PDE 10A in mouse and human adipocytes. <i>EMBO Molecular Medicine</i> , 2016, 8, 796-812.	3.3	34
70	Comparison of in vitro, Electrochemical, in vitro and in vivo Metabolism of a Homologous Series of (Radio)fluorinated $\alpha 1$ Receptor Ligands Designed for Positron Emission Tomography. <i>ChemMedChem</i> , 2016, 11, 2445-2458.	1.6	12
71	Varying Chirality Across Nicotinic Acetylcholine Receptor Subtypes: Selective Binding of Quinuclidine Triazole Compounds. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 890-895.	1.3	10
72	Development of a High-Affinity PET Radioligand for Imaging Cannabinoid Subtype 2 Receptor. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7840-7855.	2.9	47

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73	Radiation dosimetry of the $\alpha 7$ nicotinic receptor ligand (+)-[18F]flubatine, comparing preclinical PET/MRI and PET/CT to first-in-human PET/CT results. <i>EJNMMI Physics</i> , 2016, 3, 25.	1.3	17
74	Development of a Novel Nonpeptidic $^{18}\text{F}$ -Labeled Radiotracer for in Vivo Imaging of Oxytocin Receptors with Positron Emission Tomography. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1800-1817.	2.9	17
75	Development of highly potent phosphodiesterase 10A (PDE10A) inhibitors: Synthesis and in Vitro evaluation of 1,8-dipyridinyl- and 1-pyridinyl-substituted imidazo[1,5-a]quinoxalines. <i>European Journal of Medicinal Chemistry</i> , 2016, 107, 97-108.	2.6	13
76	PET imaging evaluation of [18F]DBT-10, a novel radioligand specific to $\alpha 7$ nicotinic acetylcholine receptors, in nonhuman primates. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 537-547.	3.3	20
77	Synthesis, 18F-Radiolabelling and Biological Characterization of Novel Fluoroalkylated Triazine Derivatives for in Vivo Imaging of Phosphodiesterase 2A in Brain via Positron Emission Tomography. <i>Molecules</i> , 2015, 20, 9591-9615.	1.7	17
78	A Promising PET Tracer for Imaging of $\alpha 7$ Nicotinic Acetylcholine Receptors in the Brain: Design, Synthesis, and in Vivo Evaluation of a Dibenzothiophene-Based Radioligand. <i>Molecules</i> , 2015, 20, 18387-18421.	1.7	13
79	$^{18}\text{F}$ -Labeled 1,4-Dioxo-8-azaspiro[4.5]decane Derivative: Synthesis and Biological Evaluation of a $\alpha 1$ Receptor Radioligand with Low Lipophilicity as Potent Tumor Imaging Agent. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5395-5407.	2.9	26
80	Convenient recycling and reuse of bombarded [18O]H <sub>2</sub> O for the production and the application of [18F]F <sup>-</sup> . <i>Applied Radiation and Isotopes</i> , 2015, 101, 44-52.	0.7	9
81	First-in-human PET quantification study of cerebral $\alpha 7$ nicotinic acetylcholine receptors using the novel specific radioligand ( $\alpha$ )-[18F]Flubatine. <i>NeuroImage</i> , 2015, 118, 199-208.	2.1	49
82	A high-yield automated radiosynthesis of the $\alpha 7$ nicotinic receptor radioligand [18F]NS10743. <i>Applied Radiation and Isotopes</i> , 2015, 95, 76-84.	0.7	10
83	Novel 18F-labeled dibenzylideneacetone derivatives as potential positron emission tomography probes for in vivo imaging of $\beta 2$ -amyloid plaques. <i>European Journal of Medicinal Chemistry</i> , 2014, 84, 628-638.	2.6	9
84	Internal Dose Assessment of ( $\alpha$ )- $^{18}\text{F}$ -Flubatine, Comparing Animal Model Datasets of Mice and Piglets with First-in-Human Results. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1885-1892.	2.8	17
85	Fluorine-Containing 6,7-Dialkoxybiaryl-Based Inhibitors for Phosphodiesterase...: Synthesis and in vitro Evaluation of Inhibitory Potency, Selectivity, and Metabolism. <i>ChemMedChem</i> , 2014, 9, 1476-1487.	1.6	13
86	Distinctive In Vivo Kinetics of the New $\alpha 1$ Receptor Ligands ( <i>R</i> )-(+)- and ( <i>S</i> )-( $\alpha$ )- $^{18}\text{F}$ -Fluspidine in Porcine Brain. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1730-1736.	2.8	26
87	Development of 18F-labeled radiotracers for neuroreceptor imaging with positron emission tomography. <i>Neuroscience Bulletin</i> , 2014, 30, 777-811.	1.5	46
88	Carbon-11 labeled stilbene derivatives from natural products for the imaging of $\beta 2$ plaques in the brain. <i>Radiochimica Acta</i> , 2014, 102, 185-192.	0.5	0
89	Automation of the radiosynthesis and purification procedures for [18F]Fluspidine preparation, a new radiotracer for clinical investigations in PET imaging of $\alpha 1$ receptors in brain. <i>Applied Radiation and Isotopes</i> , 2014, 84, 1-7.	0.7	17
90	Synthesis and biological evaluation of both enantiomers of [18F]flubatine, promising radiotracers with fast kinetics for the imaging of $\alpha 2$ -nicotinic acetylcholine receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 804-812.	1.4	29

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91	<sup>99m</sup> Tc-labeled benzothiazole and stilbene derivatives as imaging agents for A $\beta$ plaques in cerebral amyloid angiopathy. <i>MedChemComm</i> , 2014, 5, 153-158.	3.5	28
92	Synthesis and evaluation of a <sup>18</sup> F-labeled spirocyclic piperidine derivative as promising $\beta$ 1 receptor imaging agent. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5270-5278.	1.4	17
93	Evaluation of metabolism, plasma protein binding and other biological parameters after administration of ( $\beta$ )-[ <sup>18</sup> F]Flubatine in humans. <i>Nuclear Medicine and Biology</i> , 2014, 41, 489-494.	0.3	18
94	Radiosynthesis of racemic and enantiomerically pure ( $\beta$ )-[ <sup>18</sup> F]flubatine—A promising PET radiotracer for neuroimaging of $\alpha$ 2 nicotinic acetylcholine receptors. <i>Applied Radiation and Isotopes</i> , 2013, 74, 128-136.	0.7	25
95	A fluoro versus a nitro derivative—a high-performance liquid chromatography study of two basic analytes with different reversed phases and silica phases as basis for the separation of a positron emission tomography radiotracer. <i>Journal of Chromatography A</i> , 2013, 1311, 98-105.	1.8	5
96	Radiofluorination and biological evaluation of N-aryl-oxadiazolyl-propionamides as potential radioligands for PET imaging of cannabinoid CB2 receptors. <i>Organic and Medicinal Chemistry Letters</i> , 2013, 3, 11.	2.0	22
97	Synthesis, Characterization, and Metabolism Studies of Fluspidine Enantiomers. <i>ChemMedChem</i> , 2013, 8, 2047-2056.	1.6	29
98	Radiosynthesis and first evaluation in mice of [ <sup>18</sup> F]NS14490 for molecular imaging of $\alpha$ 7 nicotinic acetylcholine receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2635-2642.	1.4	31
99	Fully automated radiosynthesis of both enantiomers of [ <sup>18</sup> F]Flubatine under GMP conditions for human application. <i>Applied Radiation and Isotopes</i> , 2013, 80, 7-11.	0.7	20
100	Radiosynthesis and Radiotracer Properties of a 7-(2-[ <sup>18</sup> F]Fluoroethoxy)-6-methoxypyrrolidinylquinazoline for Imaging of Phosphodiesterase 10A with PET. <i>Pharmaceuticals</i> , 2012, 5, 169-188.	1.7	16
101	Synthesis and Evaluation of Novel <sup>18</sup> F Labeled 2-Pyridinylbenzoxazole and 2-Pyridinylbenzothiazole Derivatives as Ligands for Positron Emission Tomography (PET) Imaging of $\beta$ 2-Amyloid Plaques. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9283-9296.	2.9	45
102	Cannabinoid receptor type 2 (CB2)-selective N-aryl-oxadiazolyl-propionamides: synthesis, radiolabelling, molecular modelling and biological evaluation. <i>Organic and Medicinal Chemistry Letters</i> , 2012, 2, 32.	2.0	32
103	Development of Radioligands for the Imaging of $\alpha$ 7 Nicotinic Acetylcholine Receptors with Positron Emission Tomography. <i>Current Drug Targets</i> , 2012, 13, 594-601.	1.0	26
104	Molecular imaging of $\beta$ receptors: synthesis and evaluation of the potent $\beta$ 1 selective radioligand [ <sup>18</sup> F]fluspidine. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 540-551.	3.3	66
105	Assessment of $\alpha$ 7 nicotinic acetylcholine receptor availability in juvenile pig brain with [ <sup>18</sup> F]NS10743. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1541-1549.	3.3	34
106	Synthesis, pharmacological activity and structure affinity relationships of spirocyclic $\beta$ 1 receptor ligands with a (2-fluoroethyl) residue in 3-position. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 393-405.	1.4	46
107	Synthesis and biodistribution of novel <sup>99m</sup> Tc—nitrido methylpiperidine dithioformate derivatives as potential brain imaging agents. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2009, 52, 183-188.	0.5	5
108	Molecular imaging of $\alpha$ 7 nicotinic acetylcholine receptors: design and evaluation of the potent radioligand [ <sup>18</sup> F]NS10743. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 791-800.	3.3	36

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109	Synthesis of spirocyclic $\alpha$ 1 receptor ligands as potential PET radiotracers, structure- $\alpha$ affinity relationships and in vitro metabolic stability. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3630-3641.	1.4	36
110	Evaluation of Spirocyclic 3-(3-Fluoropropyl)-2-benzofurans as $\alpha$ 1 Receptor Ligands for Neuroimaging with Positron Emission Tomography. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6062-6072.	2.9	49
111	In vivo measurement of nicotinic acetylcholine receptors with [ <sup>18</sup> F]norchloro- $\alpha$ -fluoro- $\alpha$ -homoepibatidine. <i>Synapse</i> , 2008, 62, 205-218.	0.6	47
112	A new 18F-labeled fluoroacetylmorpholino derivative of vesamicol for neuroimaging of the vesicular acetylcholine transporter. <i>Nuclear Medicine and Biology</i> , 2008, 35, 185-195.	0.3	34
113	Novel 99mTc labeled $\alpha$ 1 receptor ligand as a potential tumor imaging agent. <i>Science in China Series B: Chemistry</i> , 2006, 49, 169-176.	0.8	20
114	Norchloro-fluoro-homoepibatidine: specificity to neuronal nicotinic acetylcholine receptor subtypes in vitro. <i>Il Farmaco</i> , 2004, 59, 785-792.	0.9	35
115	Positron emission tomography imaging of the serotonin transporter in the pig brain using [ <sup>11</sup> C](+)-McN5652 and S-([ <sup>18</sup> F]fluoromethyl)-(+)-McN5652. <i>Synapse</i> , 2003, 47, 143-151.	0.6	32
116	Solvation effects on brain uptakes of isomers of 99m Tc brain imaging agents. <i>Science Bulletin</i> , 2002, 47, 1786-1791.	4.3	0