JÃ¶rg Steinbach

List of Publications by Year
in descending order

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181	4,719	117625	161849
papers	citations	34 h-index	54 g-index

201	201	201	5703
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ErbB2/HER2-Specific NK Cells for Targeted Therapy of Glioblastoma. Journal of the National Cancer Institute, 2016, 108, .	6.3	282
2	Exploratory prospective trial of hypoxia-specific PET imaging during radiochemotherapy in patients with locally advanced head-and-neck cancer. Radiotherapy and Oncology, 2012, 105, 21-28.	0.6	262
3	Bevacizumab Plus Irinotecan Versus Temozolomide in Newly Diagnosed O⁶-Methylguanineâ€“DNA Methyltransferase Nonmethylated Glioblastoma: The Randomized GLARIUS Trial. Journal of Clinical Oncology, 2016, 34, 1611-1619.	1.6	151
4	Residual tumour hypoxia in head-and-neck cancer patients undergoing primary radiochemotherapy, final results of a prospective trial on repeat FMISO-PET imaging. Radiotherapy and Oncology, 2017, 124, 533-540.	0.6	123
5	Gelatin-based Hydrogel Degradation and Tissue Interaction in vivo: Insights from Multimodal Preclinical Imaging in Immunocompetent Nude Mice. Theranostics, 2016, 6, 2114-2128.	10.0	96
6	Hexadentate Bispidine Derivatives as Versatile Bifunctional Chelate Agents for Copper(II) Radioisotopes. Bioconjugate Chemistry, 2009, 20, 347-359.	3.6	94
7	Alterations in cholinergic and nonâ€cholinergic neurotransmitter receptor densities in transgenic Tg2576 mouse brain with Î²â€amyloid plaque pathology. International Journal of Developmental Neuroscience, 2003, 21, 357-369.	1.6	79
8	Additional PET/CT in week 5â€“6 of radiotherapy for patients with stage III non-small cell lung cancer as a means of dose escalation planning?. Radiotherapy and Oncology, 2008, 88, 335-341.	0.6	74
9	Molecular imaging of Ïƒ receptors: synthesis and evaluation of the potent Ïƒ1 selective radioligand [18F]fluspidine. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 540-551.	6.4	66
10	Engrafting human regulatory T cells with a flexible modular chimeric antigen receptor technology. Journal of Autoimmunity, 2018, 90, 116-131.	6.5	64
11	Radiolabeled Cetuximab Conjugates for EGFR Targeted Cancer Diagnostics and Therapy. Pharmaceuticals, 2014, 7, 311-338.	3.8	62
12	Quantitative accuracy of attenuation correction in the Philips Ingenuity TF whole-body PET/MR system: a direct comparison with transmission-based attenuation correction. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2013, 26, 115-126.	2.0	61
13	Effect of increase of radiation dose on local control relates to pre-treatment FDG uptake in FaDu tumours in nude mice. Radiotherapy and Oncology, 2007, 83, 311-315.	0.6	59
14	Preparation of fluorine-18 labelled sugars and derivatives and their application as tracer for positron-emission-tomography. Carbohydrate Research, 2000, 327, 107-118.	2.3	58
15	Spatial distribution of FMISO in head and neck squamous cell carcinomas during radio-chemotherapy and its correlation to pattern of failure. Acta OncolÃ³gica, 2015, 54, 1355-1363.	1.8	57
16	An automatic method for accurate volume delineation of heterogeneous tumors in PET. Medical Physics, 2013, 40, 082503.	3.0	55
17	Cryogel-supported stem cell factory for customized sustained release of bispecific antibodies for cancer immunotherapy. Scientific Reports, 2017, 7, 42855.	3.3	51
18	Evaluation of Spirocyclic 3-(3-Fluoropropyl)-2-benzofurans as Ïƒ₁ Receptor Ligands for Neuroimaging with Positron Emission Tomography. Journal of Medicinal Chemistry, 2009, 52, 6062-6072.	6.4	49

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19	Radiolabeled anti-EGFR-antibody improves local tumor control after external beam radiotherapy and offers theragnostic potential. Radiotherapy and Oncology, 2014, 110, 362-369.	0.6	49
20	In vivo measurement of nicotinic acetylcholine receptors with [¹⁸F]norchloroâ€fluoroâ€homoepibatidine. Synapse, 2008, 62, 205-218.	1.2	47
21	Radiosynthesis of a 18F-labeled 2,3-diarylsubstituted indole via McMurry coupling for functional characterization of cyclooxygenase-2 (COX-2) in vitro and in vivo. Bioorganic and Medicinal Chemistry, 2012, 20, 3410-3421.	3.0	47
22	Radiolabelling of proteins with fluorine-18 via click chemistry. Chemical Communications, 2009, , 7521.	4.1	46
23	Development of 18F-labeled radiotracers for neuroreceptor imaging with positron emission tomography. Neuroscience Bulletin, 2014, 30, 777-811.	2.9	46
24	Preparation, 99mTc-labeling and biodistribution studies of a PNA oligomer containing a new ligand derivative of 2,2â€²-dipicolylamine. Journal of Inorganic Biochemistry, 2010, 104, 1133-1140.	3.5	43
25	The Radiochemical and Radiopharmaceutical Applications of Radium. Open Chemistry, 2016, 14, 118-129.	1.9	40
26	Synthesis of S-([18 F]fluoromethyl)-(+)-McN5652 as a potential PET radioligand for the serotonin transporter. Nuclear Medicine and Biology, 2001, 28, 857-863.	0.6	38
27	Retargeting of UniCAR T cells with an in vivo synthesized target module directed against CD19 positive tumor cells. Oncotarget, 2018, 9, 7487-7500.	1.8	38
28	2-[¹⁸F]Fluoroethyl tosylate â€“ a versatile tool for building¹⁸F-based radiotracers for positron emission tomography. MedChemComm, 2015, 6, 1714-1754.	3.4	37
29	Molecular imaging of Î±7 nicotinic acetylcholine receptors: design and evaluation of the potent radioligand [18F]NS10743. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 791-800.	6.4	36
30	Expression, purification and fluorine-18 radiolabeling of recombinant S100A4: a potential probe for molecular imaging of receptor for advanced glycation endproducts in vivo?. Amino Acids, 2011, 41, 809-820.	2.7	36
31	In vivo demonstration of an active tumor pretargeting approach with peptide nucleic acid bioconjugates as complementary system. Chemical Science, 2015, 6, 5601-5616.	7.4	36
32	177Lu-labelled macrocyclic bisphosphonates for targeting bone metastasis in cancer treatment. EJNMMI Research, 2016, 6, 5.	2.5	36
33	Norchloro-fluoro-homoepibatidine: specificity to neuronal nicotinic acetylcholine receptor subtypes in vitro. Il Farmaco, 2004, 59, 785-792.	0.9	35
34	Developmental and amyloid plaque-related changes in cerebral cortical capillaries in transgenic Tg2576 Alzheimer mice. International Journal of Developmental Neuroscience, 2006, 24, 187-193.	1.6	35
35	Implementation of 89Zr production and in vivo imaging of B-cells in mice with 89Zr-labeled anti-B-cell antibodies by small animal PET/CT. Applied Radiation and Isotopes, 2011, 69, 852-857.	1.5	35
36	Studies on the synthesis of 16Î±-[18F]fluoroestradiol. Applied Radiation and Isotopes, 1996, 47, 395-399.	1.5	34

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37	Synthesis of fluorine substituted pyrazolopyrimidines as potential leads for the development of PET-imaging agents for the GABAA receptors. Bioorganic and Medicinal Chemistry, 2008, 16, 1184-1194.	3.0	34
38	A new 18F-labeled fluoroacetylmorpholino derivative of vesamicol for neuroimaging of the vesicular acetylcholine transporter. Nuclear Medicine and Biology, 2008, 35, 185-195.	0.6	34
39	Effect of [18F]FMISO stratified dose-escalation on local control in FaDu hSCC in nude mice. Radiotherapy and Oncology, 2014, 111, 81-87.	0.6	34
40	Evaluation of the Enantiomer Specific Biokinetics and Radiation Doses of [18F]Fluspidineâ€"A New Tracer in Clinical Translation for Imaging of Ïƒ1 Receptors. Molecules, 2016, 21, 1164.	3.8	34
41	Site-selective radiolabeling of peptides by 18F-fluorobenzoylation with [18F]SFB in solution and on solid phase: a comparative study. Amino Acids, 2012, 43, 1431-1443.	2.7	33
42	Positron emission tomography imaging of the serotonin transporter in the pig brain using [11C](+)-McN5652 and S-([18F]fluoromethyl)-(+)-McN5652. Synapse, 2003, 47, 143-151.	1.2	32
43	An ⁸⁶Y-Labeled Mirror-Image Oligonucleotide: Influence of Y-DOTA Isomers on the Biodistribution in Rats. Bioconjugate Chemistry, 2008, 19, 928-939.	3.6	32
44	Synthesis and Biodistribution Studies of ³H- and ⁶⁴Cu-Labeled Dendritic Polyglycerol and Dendritic Polyglycerol Sulfate. Bioconjugate Chemistry, 2015, 26, 906-918.	3.6	32
45	18F-Labeled phosphopeptide-cell-penetrating peptide dimers with enhanced cell uptake properties in human cancer cells. Nuclear Medicine and Biology, 2012, 39, 1202-1212.	0.6	31
46	Scavenger receptors are associated with cellular interactions of S100A12 in vitro and in vivo. International Journal of Biochemistry and Cell Biology, 2010, 42, 651-661.	2.8	30
47	Imaging of the brain serotonin transporters (SERT) with 18F-labelled fluoromethyl-McN5652 and PET in humans. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1001-1011.	6.4	30
48	Theranostic mercury: 197(m) Hg with high specific activity for imaging and therapy. Applied Radiation and Isotopes, 2015, 97, 177-181.	1.5	30
49	Direct and Auger Electron-Induced, Single- and Double-Strand Breaks on Plasmid DNA Caused by 99mTc-Labeled Pyrene Derivatives and the Effect of Bonding Distance. PLoS ONE, 2016, 11, e0161973.	2.5	30
50	Synthesis and biological evaluation of both enantiomers of [18F]flubatine, promising radiotracers with fast kinetics for the imaging of Î±4Î²2-nicotinic acetylcholine receptors. Bioorganic and Medicinal Chemistry, 2014, 22, 804-812.	3.0	29
51	Changes in Cholinergic but Not in GABAergic Markers in Amygdala, Piriform Cortex, and Nucleus Basalis of the Rat Brain Following Systemic Administration of Kainic Acid. Journal of Neurochemistry, 1989, 53, 212-218.	3.9	28
52	Neuroimaging of the vesicular acetylcholine transporter by a novel 4-[18F]fluoro-benzoyl derivative of 7-hydroxy-6-(4-phenyl-piperidin-1-yl)-octahydro-benzo[1,4]oxazines. Nuclear Medicine and Biology, 2009, 36, 17-27.	0.6	27
53	Synthesis, in silico, inÂvitro, and inÂvivo investigation of 5-[11C]methoxy-substituted sunitinib, a tyrosine kinase inhibitor of VEGFR-2. European Journal of Medicinal Chemistry, 2012, 58, 272-280.	5.5	27
54	GABAA receptor pharmacology of fluorinated derivatives of the novel sedative-hypnotic pyrazolopyrimidine indiplon. European Journal of Pharmacology, 2008, 580, 1-11.	3.5	26

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55	An Efficient Bioorthogonal Strategy Using CuAAC Click Chemistry for Radiofluorinations of SNEW Peptides and the Role of Copper Depletion. ChemMedChem, 2013, 8, 935-945.	3.2	26
56	Distinctive In Vivo Kinetics of the New Ïƒ ₁ Receptor Ligands (R)-(+)- and (S)-(â€“)-¹⁸F-Fluspidine in Porcine Brain. Journal of Nuclear Medicine, 2014, 55, 1730-1736.	5.0	26
57	EGF Receptor-Targeting Peptide Conjugate Incorporating a Near-IR Fluorescent Dye and a Novel 1,4,7-Triazacyclononane-Based ⁶⁴Cu(II) Chelator Assembled via Click Chemistry. Bioconjugate Chemistry, 2014, 25, 1011-1022.	3.6	26
58	Potential of a Cetuximabâ€based radioimmunotherapy combined with external irradiation manifests in a 3â€D cell assay. International Journal of Cancer, 2014, 135, 968-980.	5.1	26
59	¹⁸F-Labeled 1,4-Dioxa-8-azaspiro[4.5]decane Derivative: Synthesis and Biological Evaluation of a Ïƒ ₁ Receptor Radioligand with Low Lipophilicity as Potent Tumor Imaging Agent. Journal of Medicinal Chemistry, 2015, 58, 5395-5407.	6.4	26
60	Facile preparation of radium-doped, functionalized nanoparticles as carriers for targeted alpha therapy. Inorganic Chemistry Frontiers, 2019, 6, 1341-1349.	6.0	26
61	Radiosynthesis of racemic and enantiomerically pure (â^')-[18F]flubatineâ€”A promising PET radiotracer for neuroimaging of Î±4Î²2 nicotinic acetylcholine receptors. Applied Radiation and Isotopes, 2013, 74, 128-136.	1.5	25
62	Repeat FMISO-PET imaging weakly correlates with hypoxia-associated gene expressions for locally advanced HNSCC treated by primary radiochemotherapy. Radiotherapy and Oncology, 2019, 135, 43-50.	0.6	25
63	Synthesis and biological evaluation of a novel 99mTc cyclopentadienyl tricarbonyl complex ([(Cp-R)99mTc(CO)3]) for sigma-2 receptor tumor imaging. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6352-6357.	2.2	24
64	Synthesis and Evaluation of Novel ¹⁸F-Labeled Spirocyclic Piperidine Derivatives as Ïƒ ₁ Receptor Ligands for Positron Emission Tomography Imaging. Journal of Medicinal Chemistry, 2013, 56, 3478-3491.	6.4	24
65	Novel Cyclopentadienyl Tricarbonyl ^{99m}Tc Complexes Containing 1-Piperonylpiperazine Moiety: Potential Imaging Probes for Sigma-1 Receptors. Journal of Medicinal Chemistry, 2014, 57, 7113-7125.	6.4	24
66	Novel (pyrazolyl)benzenesulfonamides with a nitric oxide-releasing moiety as selective cyclooxygenase-2 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3295-3300.	2.2	24
67	1-(4-[¹⁸F]Fluorobenzyl)-4-[(tetrahydrofuran-2-yl)methyl]piperazine: A Novel Suitable Radioligand with Low Lipophilicity for Imaging Ïƒ ₁ Receptors in the Brain. Journal of Medicinal Chemistry, 2017, 60, 4161-4172.	6.4	24
68	Introduction of the New Center for Radiopharmaceutical Cancer Research at Helmholtz-Zentrum Dresden-Rossendorf. Instruments, 2019, 3, 9.	1.8	24
69	Synthesis of Benzoate-Functionalized Phosphanes as Novel Building Blocks for the Traceless Staudinger Ligation. Synthesis, 2009, 2009, 3311-3321.	2.3	23
70	High Sensitive Detection of Doubleâ€Stranded DNA Autoantibodies by a Modified Crithidia luciliae Immunofluorescence Test. Annals of the New York Academy of Sciences, 2009, 1173, 180-185.	3.8	23
71	Synthesis, structure determination, and (radio-)fluorination of novel functionalized phosphanes suitable for the traceless Staudinger ligation. Tetrahedron, 2011, 67, 4521-4529.	1.9	23
72	Synthesis and Radiopharmacological Characterisation of a Fluorineâ€18â€Labelled Azadipeptide Nitrile as a Potential PET Tracer for inâ€…vivo Imaging of Cysteine Cathepsins. ChemMedChem, 2013, 8, 1330-1344.	3.2	23

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73	S-[18F]fluoromethyl-(+)-McN5652, a PET tracer for the serotonin transporter: Evaluation in rats. Synapse, 2003, 47, 45-53.	1.2	22
74	Synthesis, radiofluorination and pharmacological evaluation of a fluoromethyl spirocyclic PET tracer for central Ïƒ1 receptors and comparison with fluoroalkyl homologs. Bioorganic and Medicinal Chemistry, 2012, 20, 257-269.	3.0	22
75	High specific activity 61Cu via 64Zn(p,Î±)61Cu reaction at low proton energies. Applied Radiation and Isotopes, 2013, 72, 169-176.	1.5	22
76	Radiosynthesis and radiopharmacological evaluation of cyclin-dependent kinase 4 (Cdk4) inhibitors. European Journal of Medicinal Chemistry, 2010, 45, 727-737.	5.5	21
77	A ¹⁸Fâ€Labeled Fluorobutylâ€Substituted Spirocyclic Piperidine Derivative as a Selective Radioligand for PET Imaging of Sigma₁ Receptors. ChemMedChem, 2011, 6, 1401-1410.	3.2	21
78	4-[18F]Fluoro-N-methyl-N-(propyl-2-yn-1-yl)benzenesulfonamide ([18F]F-SA): a versatile building block for labeling of peptides, proteins and oligonucleotides with fluorine-18 via Cu(I)-mediated click chemistry. Amino Acids, 2013, 44, 1167-1180.	2.7	21
79	Chelation of heavy group 2 (radio)metals by p-tert-butylcalix[4]arene-1,3-crown-6 and logK determination via NMR. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 199, 50-56.	3.9	21
80	Synthesis of novel 4- and 5-substituted benzyl ether derivatives of vesamicol and in vitro evaluation of their binding properties to the vesicular acetylcholine transporter site. Bioorganic and Medicinal Chemistry, 2004, 12, 1459-1465.	3.0	20
81	Structural changes of benzylether derivatives of vesamicol and their influence on the binding selectivity to the vesicular acetylcholine transporter. European Journal of Medicinal Chemistry, 2005, 40, 1197-1205.	5.5	20
82	Novel 99mTc labeled Ïƒ receptor ligand as a potential tumor imaging agent. Science in China Series B: Chemistry, 2006, 49, 169-176.	0.8	20
83	Synthesis and radiopharmacological investigation of 3-[4â€²-[18F]fluorobenzylidene]indolin-2-one as possible tyrosine kinase inhibitor. Bioorganic and Medicinal Chemistry, 2009, 17, 7732-7742.	3.0	20
84	A novel tetrabranched neurotensin(8â€“13) cyclam derivative: Synthesis, 64Cu-labeling and biological evaluation. Journal of Inorganic Biochemistry, 2011, 105, 821-832.	3.5	20
85	Fully automated radiosynthesis of both enantiomers of [18F]Flubatine under GMP conditions for human application. Applied Radiation and Isotopes, 2013, 80, 7-11.	1.5	20
86	Surface charge and particle size determine the metabolic fate of dendritic polyglycerols. Nanoscale, 2017, 9, 8723-8739.	5.6	20
87	NDRG1 prognosticates the natural course of disease in WHO grade II glioma. Journal of Neuro-Oncology, 2014, 117, 25-32.	2.9	19
88	Novel Tumor Pretargeting System Based on Complementary <scp>l</scp>-Configured Oligonucleotides. Bioconjugate Chemistry, 2017, 28, 1176-1188.	3.6	19
89	Recent progress using the <scp>S</scp>taudinger ligation for radiolabeling applications. Journal of Labelled Compounds and Radiopharmaceuticals, 2018, 61, 165-178.	1.0	19
90	High regiocontrol in the nucleophilic ring opening of 1-aralkyl-3,4-epoxypiperidines with aminesâ€”a short-step synthesis of 4-fluorobenzyltrozamicol and novel anilidopiperidines. Tetrahedron, 2011, 67, 3448-3456.	1.9	18

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91	Evaluation of metabolism, plasma protein binding and other biological parameters after administration of (â˜)-[18F]Flubatine in humans. Nuclear Medicine and Biology, 2014, 41, 489-494.	0.6	18
92	18 F-Labeled indole-based analogs as highly selective radioligands for imaging sigma-2 receptors in the brain. Bioorganic and Medicinal Chemistry, 2017, 25, 3792-3802.	3.0	18
93	Radiosynthesis of New [90Y]-DOTA-Based Maleimide Reagents Suitable for the Prelabeling of Thiol-Bearing l-Oligonucleotides and Peptides. Bioconjugate Chemistry, 2009, 20, 1340-1348.	3.6	17
94	Investigations into the synthesis, radiofluorination and conjugation of a new [18F]fluorocyclobutyl prosthetic group and its in vitro stability using a tyrosine model system. Bioorganic and Medicinal Chemistry, 2013, 21, 643-652.	3.0	17
95	Internal Dose Assessment of (â€“)-¹⁸F-Flubatine, Comparing Animal Model Datasets of Mice and Piglets with First-in-Human Results. Journal of Nuclear Medicine, 2014, 55, 1885-1892.	5.0	17
96	Automation of the radiosynthesis and purification procedures for [18F]Fluspidine preparation, a new radiotracer for clinical investigations in PET imaging of Ïƒ1 receptors in brain. Applied Radiation and Isotopes, 2014, 84, 1-7.	1.5	17
97	Imaging of Î±7 nicotinic acetylcholine receptors in brain and cerebral vasculature of juvenile pigs with [18F]NS14490. EJNMMI Research, 2014, 4, 43.	2.5	17
98	Synthesis and evaluation of a 18F-labeled spirocyclic piperidine derivative as promising Ïƒ1 receptor imaging agent. Bioorganic and Medicinal Chemistry, 2014, 22, 5270-5278.	3.0	17
99	Synthesis, 18F-Radiolabelling and Biological Characterization of Novel Fluoroalkylated Triazine Derivatives for in Vivo Imaging of Phosphodiesterase 2A in Brain via Positron Emission Tomography. Molecules, 2015, 20, 9591-9615.	3.8	17
100	Radiation dosimetry of the Î±4Î²2 nicotinic receptor ligand (+)-[18F]flubatine, comparing preclinical PET/MRI and PET/CT to first-in-human PET/CT results. EJNMMI Physics, 2016, 3, 25.	2.7	17
101	^{99m}Tc-Cyclopentadienyl Tricarbonyl Chelate-Labeled Compounds as Selective Sigma-2 Receptor Ligands for Tumor Imaging. Journal of Medicinal Chemistry, 2016, 59, 934-946.	6.4	17
102	Development of a Novel Nonpeptidic ¹⁸F-Labeled Radiotracer for in Vivo Imaging of Oxytocin Receptors with Positron Emission Tomography. Journal of Medicinal Chemistry, 2016, 59, 1800-1817.	6.4	17
103	Radiosynthesis and in vivo evaluation of a fluorine-18 labeled pyrazine based radioligand for PET imaging of the adenosine A2B receptor. Bioorganic and Medicinal Chemistry, 2018, 26, 4650-4663.	3.0	17
104	Novel 99mTc â€˜4Â+Â1â€™ peptide conjugates: Tuning the biodistribution by variation of coligands. European Journal of Medicinal Chemistry, 2010, 45, 3645-3655.	5.5	16
105	Synthesis and biological evaluation of 18F labeled fluoro-oligo-ethoxylated 4-benzylpiperazine derivatives for sigma-1 receptor imaging. Bioorganic and Medicinal Chemistry, 2013, 21, 215-222.	3.0	16
106	Radiopharmacological characterization of 64Cu-labeled Î±-MSH analogs for potential use in imaging of malignant melanoma. Amino Acids, 2016, 48, 833-847.	2.7	16
107	[11C]SMe-ADAM, an imaging agent for the brain serotonin transporter: synthesis, pharmacological characterization and microPET studies in rats. Nuclear Medicine and Biology, 2006, 33, 53-63.	0.6	15
108	Sequential ring-opening of trans-1,4-cyclohexadiene dioxide for an expedient modular approach to 6,7-disubstituted (Â±)-hexahydro-benzo[1,4]oxazin-3-ones. Tetrahedron Letters, 2007, 48, 5497-5501.	1.4	15

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109	Novel indole-based sigma-2 receptor ligands: synthesis, structureâ€“affinity relationship and antiproliferative activity. MedChemComm, 2015, 6, 1093-1103.	3.4	15
110	Radiosynthesis and biological evaluation of the new PDE10A radioligand [¹⁸F]AQ28A. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 36-48.	1.0	15
111	Exploring pitfalls of 64Cu-labeled EGFR-targeting peptide GE11 as a potential PET tracer. Amino Acids, 2018, 50, 1415-1431.	2.7	15
112	Automated synthesis of 16Î±-[18F]fluoroestradiol-3,17Î²-disulphamate. Applied Radiation and Isotopes, 2001, 55, 631-639.	1.5	14
113	Effect of hypoxia/hypercapnia on metabolism of 6-[18F]fluoro-l-DOPA in newborn piglets. Brain Research, 2002, 934, 23-33.	2.2	14
114	Fluorineâ€18 labeling of phosphopeptides: A potential approach for the evaluation of phosphopeptide metabolism in vivo. Biopolymers, 2009, 92, 479-488.	2.4	14
115	Enantioseparation of vesamicol and novel vesamicol analogs by high-performance liquid chromatography on different chiral stationary phases. Journal of Chromatography A, 2010, 1217, 3855-3862.	3.7	14
116	Inactivation of HNSCC Cells by 90Y-Labeled Cetuximab Strictly Depends on the Number of Induced DNA Double-Strand Breaks. Journal of Nuclear Medicine, 2013, 54, 416-423.	5.0	14
117	FMISO-PET-based lymph node hypoxia adds to the prognostic value of tumor only hypoxia in HNSCC patients. Radiotherapy and Oncology, 2019, 130, 97-103.	0.6	14
118	Radiofluorination and first radiopharmacological characterization of a SWLAY peptideâ€based ligand targeting EphA2. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 660-665.	1.0	13
119	A Promising PET Tracer for Imaging of Î±7 Nicotinic Acetylcholine Receptors in the Brain: Design, Synthesis, and in Vivo Evaluation of a Dibenzothiophene-Based Radioligand. Molecules, 2015, 20, 18387-18421.	3.8	13
120	Development of highly potent phosphodiesterase 10A (PDE10A) inhibitors: Synthesis and inÂvitro evaluation of 1,8-dipyridinyl- and 1-pyridinyl-substituted imidazo[1,5-a]quinoxalines. European Journal of Medicinal Chemistry, 2016, 107, 97-108.	5.5	13
121	Carbohydration of 1,4,8,11-tetraazacyclotetradecane (cyclam): synthesis and binding properties toward concanavalin A. Tetrahedron Letters, 2007, 48, 8834-8838.	1.4	12
122	New systematically modified vesamicol analogs and their affinity and selectivity for the vesicular acetylcholine transporter â€“ A critical examination of the lead structure. European Journal of Medicinal Chemistry, 2015, 100, 50-67.	5.5	12
123	Cyclopeptides containing the DEKS motif as conformationally restricted collagen telopeptide analogues: synthesis and conformational analysis. Organic and Biomolecular Chemistry, 2015, 13, 1878-1896.	2.8	12
124	LC-MS Supported Studies on the in Vitro Metabolism of both Enantiomers of Flubatine and the in Vivo Metabolism of (+)-[18F]Flubatineâ€”A Positron Emission Tomography Radioligand for Imaging Î±4Î²2 Nicotinic Acetylcholine Receptors. Molecules, 2016, 21, 1200.	3.8	12
125	Radiotherapy enhances uptake and efficacy of 90Y-cetuximab: A preclinical trial. Radiotherapy and Oncology, 2021, 155, 285-292.	0.6	12
126	Autoradiography of 2-[18F]F-A-85380 on nicotinic acetylcholine receptors in the porcine brain in vitro. Synapse, 2006, 59, 201-210.	1.2	11

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127	Radiosynthesis and biological evaluation of an 18F-labeled derivative of the novel pyrazolopyrimidine sedativeâ€“hypnotic agent indiplon. Nuclear Medicine and Biology, 2007, 34, 559-570.	0.6	11
128	Maleimido-Functionalized NOTA Derivatives as Bifunctional Chelators for Site-Specific Radiolabeling. Molecules, 2011, 16, 5228-5240.	3.8	11
129	NMR study on the structure and stability of 4-substituted aromatic iodosyl compounds. Magnetic Resonance in Chemistry, 2006, 44, 955-958.	1.9	10
130	First CoMFA Characterization of Vesamicol Analogs as Ligands for the Vesicular Acetylcholine Transporter. Journal of Medicinal Chemistry, 2008, 51, 2128-2136.	6.4	10
131	Development of indazolylpyrimidine derivatives as high-affine EphB4 receptor ligands and potential PET radiotracers. Bioorganic and Medicinal Chemistry, 2015, 23, 6025-6035.	3.0	10
132	(+)-[18F]Flubatine as a novel Î±4Î²2 nicotinic acetylcholine receptor PET ligandâ€”results of the first-in-human brain imaging application in patients with Î²-amyloid PET-confirmed Alzheimerâ€™s disease and healthy controls. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 731-746.	6.4	10
133	Synthesis and biological evaluation of a radioiodinated spiropiperidine ligand as a potential Ïƒ₁ receptor imaging agent. Journal of Labelled Compounds and Radiopharmaceuticals, 2010, 53, 569-574.	1.0	9
134	In vitro binding profile and radiosynthesis of a novel ¹⁸Fâ€labeled azaspirovesamicol analog as potential ligand for imaging of the vesicular acetylcholine transporter. Journal of Labelled Compounds and Radiopharmaceuticals, 2011, 54, 426-432.	1.0	9
135	Synthesis and biological evaluation of novel 4-benzylpiperazine ligands for sigma-1 receptor imaging. Bioorganic and Medicinal Chemistry, 2011, 19, 2911-2917.	3.0	9
136	Convenient recycling and reuse of bombarded [18 O]H 2 O for the production and the application of [18 F]F â^'. Applied Radiation and Isotopes, 2015, 101, 44-52.	1.5	9
137	â€œHydrous 18 F-fluoroethylationâ€•â€“ Leaving off the azeotropic drying. Applied Radiation and Isotopes, 2017, 127, 260-268.	1.5	9
138	Investigation of an 18F-labelled Imidazopyridotriazine for Molecular Imaging of Cyclic Nucleotide Phosphodiesterase 2A. Molecules, 2018, 23, 556.	3.8	9
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