

Jörg Steinbach

List of Publications by Year in descending order

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181
papers

4,719
citations

117625

34
h-index

161849

54
g-index

201
all docs

201
docs citations

201
times ranked

5703
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiotherapy enhances uptake and efficacy of 90Y-cetuximab: A preclinical trial. <i>Radiotherapy and Oncology</i> , 2021, 155, 285-292.	0.6	12
2	(+)-[18F]Flubatine as a novel $\alpha_4\beta_2$ nicotinic acetylcholine receptor PET ligand—results of the first-in-human brain imaging application in patients with β_2 -amyloid PET-confirmed Alzheimer's disease and healthy controls. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 731-746.	6.4	10
3	Development of 18F-Labeled Radiotracers for PET Imaging of the Adenosine A2A Receptor: Synthesis, Radiolabeling and Preliminary Biological Evaluation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2285.	4.1	5
4	Synthesis of Novel Fluorinated Xanthine Derivatives with High Adenosine A2B Receptor Binding Affinity. <i>Pharmaceuticals</i> , 2021, 14, 485.	3.8	1
5	Strategic Evaluation of the Traceless Staudinger Ligation for Radiolabeling with the Tricarbonyl Core. <i>Molecules</i> , 2021, 26, 6629.	3.8	2
6	Obituary for Prof. Rudolf Mätzke. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2020, 63, 492.	1.0	0
7	Synthesis, radiolabelling and initial biological characterisation of 18F-labelled xanthine derivatives for PET imaging of Eph receptors. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3104-3116.	2.8	8
8	In vitro and in vivo Human Metabolism of (S)-[18F]Fluspidine—A Radioligand for Imaging β_1 Receptors With Positron Emission Tomography (PET). <i>Frontiers in Pharmacology</i> , 2019, 10, 534.	3.5	9
9	Introduction of the New Center for Radiopharmaceutical Cancer Research at Helmholtz-Zentrum Dresden-Rossendorf. <i>Instruments</i> , 2019, 3, 9.	1.8	24
10	Repeat FMISO-PET imaging weakly correlates with hypoxia-associated gene expressions for locally advanced HNSCC treated by primary radiochemotherapy. <i>Radiotherapy and Oncology</i> , 2019, 135, 43-50.	0.6	25
11	Correlation between FMISO-PET based hypoxia in the primary tumour and in lymph node metastases in locally advanced HNSCC patients. <i>Clinical and Translational Radiation Oncology</i> , 2019, 15, 108-112.	1.7	9
12	Facile preparation of radium-doped, functionalized nanoparticles as carriers for targeted alpha therapy. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1341-1349.	6.0	26
13	FMISO-PET-based lymph node hypoxia adds to the prognostic value of tumor only hypoxia in HNSCC patients. <i>Radiotherapy and Oncology</i> , 2019, 130, 97-103.	0.6	14
14	Synthesis, 18F-labelling and radiopharmacological characterisation of the C-terminal 30mer of Clostridium perfringens enterotoxin as a potential claudin-targeting peptide. <i>Amino Acids</i> , 2019, 51, 219-244.	2.7	4
15	Engrafting human regulatory T cells with a flexible modular chimeric antigen receptor technology. <i>Journal of Autoimmunity</i> , 2018, 90, 116-131.	6.5	64
16	Synthesis, Characterization, and Initial Biological Evaluation of [^{99m} Tc]Tc-Tricarbonyl-Labeled DPA-MSH Peptide Derivatives for Potential Melanoma Imaging. <i>ChemMedChem</i> , 2018, 13, 1146-1158.	2	8
17	Chelation of heavy group 2 (radio)metals by p-tert-butylcalix[4]arene-1,3-crown-6 and logK determination via NMR. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 50-56.	3.9	21
18	Recent progress using the Staudinger ligation for radiolabeling applications. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 165-178.	1.0	19

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19	Exploring pitfalls of ⁶⁴ Cu-labeled EGFR-targeting peptide GE11 as a potential PET tracer. <i>Amino Acids</i> , 2018, 50, 1415-1431.	2.7	15
20	Investigation of an ¹⁸ F-labelled Imidazopyridotriazine for Molecular Imaging of Cyclic Nucleotide Phosphodiesterase 2A. <i>Molecules</i> , 2018, 23, 556.	3.8	9
21	Evaluation of Fluorine-18-Labeled \pm 1(I)-N-Telopeptide Analogs as Substrate-Based Radiotracers for PET Imaging of Melanoma-Associated Lysyl Oxidase. <i>Frontiers in Chemistry</i> , 2018, 6, 121.	3.6	6
22	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.	3.0	17
23	Retargeting of UniCAR T cells with an <i>in vivo</i> synthesized target module directed against CD19 positive tumor cells. <i>Oncotarget</i> , 2018, 9, 7487-7500.	1.8	38
24	Radiosynthesis and biological evaluation of the new PDE10A radioligand [¹⁸ F]AQ28A. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 36-48.	1.0	15
25	Cryogel-supported stem cell factory for customized sustained release of bispecific antibodies for cancer immunotherapy. <i>Scientific Reports</i> , 2017, 7, 42855.	3.3	51
26	Novel Tumor Pretargeting System Based on Complementary <i>l</i> -Configured Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2017, 28, 1176-1188.	3.6	19
27	1-(4-[¹⁸ F]Fluorobenzyl)-4-[(tetrahydrofuran-2-yl)methyl]piperazine: A Novel Suitable Radioligand with Low Lipophilicity for Imaging β_1 Receptors in the Brain. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4161-4172.	6.4	24
28	¹⁸ 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.	3.0	18
29	Surface charge and particle size determine the metabolic fate of dendritic polyglycerols. <i>Nanoscale</i> , 2017, 9, 8723-8739.	5.6	20
30	Preparation of a novel radiotracer targeting the EphB4 receptor via radiofluorination using spiro azetidinium salts as precursor. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 489-498.	1.0	6
31	Residual tumour hypoxia in head-and-neck cancer patients undergoing primary radiochemotherapy, final results of a prospective trial on repeat FMISO-PET imaging. <i>Radiotherapy and Oncology</i> , 2017, 124, 533-540.	0.6	123
32	Hydrous ¹⁸ F-fluoroethylation: Leaving off the azeotropic drying. <i>Applied Radiation and Isotopes</i> , 2017, 127, 260-268.	1.5	9
33	Evaluation of the Enantiomer Specific Biokinetics and Radiation Doses of [¹⁸ F]Fluspidine: A New Tracer in Clinical Translation for Imaging of β_1 Receptors. <i>Molecules</i> , 2016, 21, 1164.	3.8	34
34	Gelatin-based Hydrogel Degradation and Tissue Interaction <i>in vivo</i> : Insights from Multimodal Preclinical Imaging in Immunocompetent Nude Mice. <i>Theranostics</i> , 2016, 6, 2114-2128.	10.0	96
35	LC-MS Supported Studies on the in Vitro Metabolism of both Enantiomers of Flubatine and the in Vivo Metabolism of (+)-[¹⁸ F]Flubatine: A Positron Emission Tomography Radioligand for Imaging β_2 Nicotinic Acetylcholine Receptors. <i>Molecules</i> , 2016, 21, 1200.	3.8	12
36	Synthesis and evaluation of a ¹⁸ F-labeled 4-phenylpiperidine-carbonitrile radioligand for β_1 receptor imaging. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2016, 59, 332-339.	1.0	6

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37	Impact of pre- and early per-treatment FDG-PET based dose-escalation on local tumour control in fractionated irradiated FaDu xenograft tumours. <i>Radiotherapy and Oncology</i> , 2016, 121, 447-452.	0.6	8
38	Tos-Nos-Mos: Synthesis of different aryl sulfonate precursors for the radiosynthesis of the alpha7 nicotinic acetylcholine receptor radioligand [18F]NS14490. <i>Applied Radiation and Isotopes</i> , 2016, 114, 57-62.	1.5	4
39	Radiopharmacological characterization of ⁶⁴ Cu-labeled $\hat{1}\pm$ -MSH analogs for potential use in imaging of malignant melanoma. <i>Amino Acids</i> , 2016, 48, 833-847.	2.7	16
40	The Radiochemical and Radiopharmaceutical Applications of Radium. <i>Open Chemistry</i> , 2016, 14, 118-129.	1.9	40
41	Radiation dosimetry of the $\hat{1}\pm$ ⁴ $\hat{1}$ ²² 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.	2.7	17
42	¹⁷⁷ Lu-labelled macrocyclic bisphosphonates for targeting bone metastasis in cancer treatment. <i>EJNMMI Research</i> , 2016, 6, 5.	2.5	36
43	FMISO as a Biomarker for Clinical Radiation Oncology. <i>Recent Results in Cancer Research</i> , 2016, 198, 189-201.	1.8	8
44	^{99m} Tc-Cyclopentadienyl Tricarbonyl Chelate-Labeled Compounds as Selective Sigma-2 Receptor Ligands for Tumor Imaging. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 934-946.	6.4	17
45	ErbB2/HER2-Specific NK Cells for Targeted Therapy of Glioblastoma. <i>Journal of the National Cancer Institute</i> , 2016, 108, .	6.3	282
46	Bevacizumab Plus Irinotecan Versus Temozolomide in Newly Diagnosed O ⁶ -Methylguanine-“DNA Methyltransferase Nonmethylated Glioblastoma: The Randomized GLARIUS Trial. <i>Journal of Clinical Oncology</i> , 2016, 34, 1611-1619.	1.6	151
47	Development of a Novel Nonpeptidic ¹⁸ F-Labeled Radiotracer for in Vivo Imaging of Oxytocin Receptors with Positron Emission Tomography. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1800-1817.	6.4	17
48	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.	5.5	13
49	Direct and Auger Electron-Induced, Single- and Double-Strand Breaks on Plasmid DNA Caused by ^{99m} Tc-Labeled Pyrene Derivatives and the Effect of Bonding Distance. <i>PLoS ONE</i> , 2016, 11, e0161973.	2.5	30
50	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.	3.8	17
51	A Promising PET Tracer for Imaging of $\hat{1}\pm$ 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.	3.8	13
52	Novel (pyrazolyl)benzenesulfonamides with a nitric oxide-releasing moiety as selective cyclooxygenase-2 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3295-3300.	2.2	24
53	Theranostic mercury: ¹⁹⁷ (m) Hg with high specific activity for imaging and therapy. <i>Applied Radiation and Isotopes</i> , 2015, 97, 177-181.	1.5	30
54	New systematically modified vesamicol analogs and their affinity and selectivity for the vesicular acetylcholine transporter “ A critical examination of the lead structure. <i>European Journal of Medicinal Chemistry</i> , 2015, 100, 50-67.	5.5	12

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55	¹⁸ F-Labeled 1,4-Dioxo-8-azaspiro[4.5]decane Derivative: Synthesis and Biological Evaluation of a γ Receptor Radioligand with Low Lipophilicity as Potent Tumor Imaging Agent. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5395-5407.	6.4	26
56	Synthesis and Biodistribution Studies of ³ H- and ⁶⁴ Cu-Labeled Dendritic Polyglycerol and Dendritic Polyglycerol Sulfate. <i>Bioconjugate Chemistry</i> , 2015, 26, 906-918.	3.6	32
57	Novel indole-based sigma-2 receptor ligands: synthesis, structure–affinity relationship and antiproliferative activity. <i>MedChemComm</i> , 2015, 6, 1093-1103.	3.4	15
58	Convenient recycling and reuse of bombarded [¹⁸ O]H ₂ O for the production and the application of [¹⁸ F]F ⁻ . <i>Applied Radiation and Isotopes</i> , 2015, 101, 44-52.	1.5	9
59	Spatial distribution of FMISO in head and neck squamous cell carcinomas during radio-chemotherapy and its correlation to pattern of failure. <i>Acta Oncologica</i> , 2015, 54, 1355-1363.	1.8	57
60	2-[¹⁸ F]Fluoroethyl tosylate – a versatile tool for building ¹⁸ F-based radiotracers for positron emission tomography. <i>MedChemComm</i> , 2015, 6, 1714-1754.	3.4	37
61	<i>In vivo</i> demonstration of an active tumor pretargeting approach with peptide nucleic acid bioconjugates as complementary system. <i>Chemical Science</i> , 2015, 6, 5601-5616.	7.4	36
62	Development of indazolylpyrimidine derivatives as high-affine EphB4 receptor ligands and potential PET radiotracers. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6025-6035.	3.0	10
63	Evaluation of <i>in vivo</i> quantification accuracy of the Ingenuity [®] PET/MR. <i>Medical Physics</i> , 2015, 42, 5773-5781.	3.0	5
64	Cyclopeptides containing the DEKS motif as conformationally restricted collagen telopeptide analogues: synthesis and conformational analysis. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1878-1896.	2.8	12
65	Internal Dose Assessment of (¹⁸ F)- ¹⁸ 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.	5.0	17
66	Cytotoxic properties of radionuclide-conjugated Cetuximab without and in combination with external irradiation in head and neck cancer cells <i>in vitro</i> . <i>International Journal of Radiation Biology</i> , 2014, 90, 678-686.	1.8	8
67	Radiofluorination and first radiopharmacological characterization of a SWLAY peptide-based ligand targeting EphA2. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014, 57, 660-665.	1.0	13
68	Distinctive <i>In Vivo</i> Kinetics of the New γ Receptor Ligands (<i>R</i>)- and (<i>S</i>)-(¹⁸ F)- ¹⁸ F-Fluspidine in Porcine Brain. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1730-1736.	5.0	26
69	Development of ¹⁸ F-labeled radiotracers for neuroreceptor imaging with positron emission tomography. <i>Neuroscience Bulletin</i> , 2014, 30, 777-811.	2.9	46
70	Radiolabeled Cetuximab Conjugates for EGFR Targeted Cancer Diagnostics and Therapy. <i>Pharmaceuticals</i> , 2014, 7, 311-338.	3.8	62
71	Automation of the radiosynthesis and purification procedures for [¹⁸ F]Fluspidine preparation, a new radiotracer for clinical investigations in PET imaging of γ 1 receptors in brain. <i>Applied Radiation and Isotopes</i> , 2014, 84, 1-7.	1.5	17
72	NDRG1 prognosticates the natural course of disease in WHO grade II glioma. <i>Journal of Neuro-Oncology</i> , 2014, 117, 25-32.	2.9	19

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73	EGF Receptor-Targeting Peptide Conjugate Incorporating a Near-IR Fluorescent Dye and a Novel 1,4,7-Triazacyclononane-Based ⁶⁴ Cu(II) Chelator Assembled via Click Chemistry. <i>Bioconjugate Chemistry</i> , 2014, 25, 1011-1022.	3.6	26
74	Synthesis and biological evaluation of both enantiomers of [¹⁸ F]flubatine, promising radiotracers with fast kinetics for the imaging of α_7 -nicotinic acetylcholine receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 804-812.	3.0	29
75	Potential of a Cetuximab-based radioimmunotherapy combined with external irradiation manifests in a 3D cell assay. <i>International Journal of Cancer</i> , 2014, 135, 968-980.	5.1	26
76	Kinetic inertness evaluation of copper complexes using gel electrophoresis techniques. <i>Nuclear Medicine and Biology</i> , 2014, 41, 633-634.	0.6	0
77	Novel Cyclopentadienyl Tricarbonyl ^{99m} Tc Complexes Containing 1-Piperonylpiperazine Moiety: Potential Imaging Probes for Sigma-1 Receptors. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7113-7125.	6.4	24
78	Imaging of α_7 nicotinic acetylcholine receptors in brain and cerebral vasculature of juvenile pigs with [¹⁸ F]NS14490. <i>EJNMMI Research</i> , 2014, 4, 43.	2.5	17
79	Synthesis and evaluation of a ¹⁸ F-labeled spirocyclic piperidine derivative as promising α_1 receptor imaging agent. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5270-5278.	3.0	17
80	Evaluation of metabolism, plasma protein binding and other biological parameters after administration of (α^+)-[¹⁸ F]Flubatine in humans. <i>Nuclear Medicine and Biology</i> , 2014, 41, 489-494.	0.6	18
81	Effect of [¹⁸ F]FMISO stratified dose-escalation on local control in FaDu hSCC in nude mice. <i>Radiotherapy and Oncology</i> , 2014, 111, 81-87.	0.6	34
82	Radiolabeled anti-EGFR-antibody improves local tumor control after external beam radiotherapy and offers theragnostic potential. <i>Radiotherapy and Oncology</i> , 2014, 110, 362-369.	0.6	49
83	Evaluation of PET quantification accuracy in vivo. <i>Nuklearmedizin - NuclearMedicine</i> , 2014, 53, 67-77.	0.7	7
84	An automatic method for accurate volume delineation of heterogeneous tumors in PET. <i>Medical Physics</i> , 2013, 40, 082503.	3.0	55
85	4-[¹⁸ F]Fluoro-N-methyl-N-(propyl-2-yn-1-yl)benzenesulfonamide ([¹⁸ F]F-SA): a versatile building block for labeling of peptides, proteins and oligonucleotides with fluorine-18 via Cu(I)-mediated click chemistry. <i>Amino Acids</i> , 2013, 44, 1167-1180.	2.7	21
86	Radiosynthesis of racemic and enantiomerically pure (α^+)-[¹⁸ F]flubatine—A promising PET radiotracer for neuroimaging of α_7 nicotinic acetylcholine receptors. <i>Applied Radiation and Isotopes</i> , 2013, 74, 128-136.	1.5	25
87	An Efficient Bioorthogonal Strategy Using CuAAC Click Chemistry for Radiofluorinations of SNEW Peptides and the Role of Copper Depletion. <i>ChemMedChem</i> , 2013, 8, 935-945.	3.2	26
88	Investigations into the synthesis, radiofluorination and conjugation of a new [¹⁸ F]fluorocyclobutyl prosthetic group and its in vitro stability using a tyrosine model system. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 643-652.	3.0	17
89	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.	3.7	5
90	Synthesis and Evaluation of Novel ¹⁸ F-Labeled Spirocyclic Piperidine Derivatives as α_1 Receptor Ligands for Positron Emission Tomography Imaging. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3478-3491.	6.4	24

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91	Synthesis and biological evaluation of ¹⁸ F labeled fluoro-oligo-ethoxylated 4-benzylpiperazine derivatives for sigma-1 receptor imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 215-222.	3.0	16
92	Fully automated radiosynthesis of both enantiomers of [¹⁸ F]Flubatine under GMP conditions for human application. <i>Applied Radiation and Isotopes</i> , 2013, 80, 7-11.	1.5	20
93	High specific activity ⁶¹ Cu via ⁶⁴ Zn(p, n) ⁶¹ Cu reaction at low proton energies. <i>Applied Radiation and Isotopes</i> , 2013, 72, 169-176.	1.5	22
94	Synthesis and Radiopharmacological Characterisation of a Fluorine- ¹⁸ F Labelled Azadipeptide Nitrile as a Potential PET Tracer for in vivo Imaging of Cysteine Cathepsins. <i>ChemMedChem</i> , 2013, 8, 1330-1344.	3.2	23
95	Quantitative accuracy of attenuation correction in the Philips Ingenuity TF whole-body PET/MR system: a direct comparison with transmission-based attenuation correction. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 115-126.	2.0	61
96	Synthesis of Short and Versatile Heterobifunctional Linkers for Conjugation of Bioactive Molecules with (Radio-)Labels. <i>Synlett</i> , 2013, 24, 432-436.	1.8	7
97	Inactivation of HNSCC Cells by ⁹⁰ Y-Labeled Cetuximab Strictly Depends on the Number of Induced DNA Double-Strand Breaks. <i>Journal of Nuclear Medicine</i> , 2013, 54, 416-423.	5.0	14
98	Use of 3-[¹⁸ F]fluoropropanesulfonyl chloride as a prosthetic agent for the radiolabelling of amines: Investigation of precursor molecules, labelling conditions and enzymatic stability of the corresponding sulfonamides. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1002-1011.	2.2	8
99	Synthesis and biological evaluation of a novel ^{99m} Tc cyclopentadienyl tricarbonyl complex ([^{99m} Tc(Cp-R)(CO) ₃]) for sigma-2 receptor tumor imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6352-6357.	2.2	24
100	Exploratory prospective trial of hypoxia-specific PET imaging during radiochemotherapy in patients with locally advanced head-and-neck cancer. <i>Radiotherapy and Oncology</i> , 2012, 105, 21-28.	0.6	262
101	Synthesis, in silico, in vitro, and in vivo investigation of 5-[¹¹ C]methoxy-substituted sunitinib, a tyrosine kinase inhibitor of VEGFR-2. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 272-280.	5.5	27
102	¹⁸ F-Labeled phosphopeptide-cell-penetrating peptide dimers with enhanced cell uptake properties in human cancer cells. <i>Nuclear Medicine and Biology</i> , 2012, 39, 1202-1212.	0.6	31
103	Site-selective radiolabeling of peptides by ¹⁸ F-fluorobenzoylation with [¹⁸ F]SFB in solution and on solid phase: a comparative study. <i>Amino Acids</i> , 2012, 43, 1431-1443.	2.7	33
104	Imaging of the brain serotonin transporters (SERT) with ¹⁸ F-labelled fluoromethyl-McN5652 and PET in humans. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 1001-1011.	6.4	30
105	Synthesis, radiofluorination and pharmacological evaluation of a fluoromethyl spirocyclic PET tracer for central β_1 receptors and comparison with fluoroalkyl homologs. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 257-269.	3.0	22
106	Radiosynthesis of a ¹⁸ F-labeled 2,3-diarylsubstituted indole via McMurry coupling for functional characterization of cyclooxygenase-2 (COX-2) in vitro and in vivo. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3410-3421.	3.0	47
107	Pyrrrolesamicols – Synthesis, structure and VACHT binding of two 4-fluorobenzoyl regioisomers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2163-2166.	2.2	5
108	Maleimido-Functionalized NOTA Derivatives as Bifunctional Chelators for Site-Specific Radiolabeling. <i>Molecules</i> , 2011, 16, 5228-5240.	3.8	11

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109	Phosphopeptides with improved cellular uptake properties as ligands for the polo-box domain of polo-like kinase 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4686-4689.	2.2	5
110	Expression, purification and fluorine-18 radiolabeling of recombinant S100A4: a potential probe for molecular imaging of receptor for advanced glycation endproducts in vivo?. <i>Amino Acids</i> , 2011, 41, 809-820.	2.7	36
111	Molecular imaging of β receptors: synthesis and evaluation of the potent β 1 selective radioligand [18F]fluspidine. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 540-551.	6.4	66
112	<i>In vitro</i> binding profile and radiosynthesis of a novel ^{18}F -labeled azaspirovesamicol analog as potential ligand for imaging of the vesicular acetylcholine transporter. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011, 54, 426-432.	1.0	9
113	A ^{18}F -labeled Fluorobutyl-substituted Spirocyclic Piperidine Derivative as a Selective Radioligand for PET Imaging of σ_1 Receptors. <i>ChemMedChem</i> , 2011, 6, 1401-1410.	3.2	21
114	Synthesis and biological evaluation of novel 4-benzylpiperazine ligands for sigma-1 receptor imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2911-2917.	3.0	9
115	Implementation of ^{89}Zr production and in vivo imaging of B-cells in mice with ^{89}Zr -labeled anti-B-cell antibodies by small animal PET/CT. <i>Applied Radiation and Isotopes</i> , 2011, 69, 852-857.	1.5	35
116	A novel tetrabranched neurotensin(^{13}C) cyclam derivative: Synthesis, ^{64}Cu -labeling and biological evaluation. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 821-832.	3.5	20
117	High regiocontrol in the nucleophilic ring opening of 1-alkyl-3,4-epoxypiperidines with amines: a short-step synthesis of 4-fluorobenzyltrozamicol and novel anilidopiperidines. <i>Tetrahedron</i> , 2011, 67, 3448-3456.	1.9	18
118	Synthesis, structure determination, and (radio-)fluorination of novel functionalized phosphanes suitable for the traceless Staudinger ligation. <i>Tetrahedron</i> , 2011, 67, 4521-4529.	1.9	23
119	Radiosynthesis and radiopharmacological evaluation of cyclin-dependent kinase 4 (Cdk4) inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 727-737.	5.5	21
120	Novel $^{99\text{mTc}}$ peptide conjugates: Tuning the biodistribution by variation of coligands. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3645-3655.	5.5	16
121	Synthesis and biological evaluation of a radioiodinated spiroperidine ligand as a potential σ_1 receptor imaging agent. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2010, 53, 569-574.	1.0	9
122	Preparation, $^{99\text{mTc}}$ -labeling and biodistribution studies of a PNA oligomer containing a new ligand derivative of 2,2'-dipicolylamine. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 1133-1140.	3.5	43
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