

# Bjrn Wngler

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9935600/bjorn-wangler-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

58  
papers

1,656  
citations

25  
h-index

39  
g-index

60  
ext. papers

1,822  
ext. citations

5.5  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
58	18F-labeling of peptides by means of an organosilicon-based fluoride acceptor. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 6047-50	16.4	174
57	Click-chemistry reactions in radiopharmaceutical chemistry: fast & easy introduction of radiolabels into biomolecules for in vivo imaging. <i>Current Medicinal Chemistry</i> , <b>2010</b> , 17, 1092-116	4.3	99
56	Synthesis of p-(di-tert-butyl[(18)F]fluorosilyl)benzaldehyde ([18)F]SiFA-A) with high specific activity by isotopic exchange: a convenient labeling synthon for the (18)F-labeling of N-amino-oxy derivatized peptides. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 2085-9	6.3	89
55	(89)Zr, a radiometal nuclide with high potential for molecular imaging with PET: chemistry, applications and remaining challenges. <i>Molecules</i> , <b>2013</b> , 18, 6469-90	4.8	82
54	Multimerization of cRGD peptides by click chemistry: synthetic strategies, chemical limitations, and influence on biological properties. <i>ChemBioChem</i> , <b>2010</b> , 11, 2168-81	3.8	74
53	One-step (18)F-labeling of peptides for positron emission tomography imaging using the SiFA methodology. <i>Nature Protocols</i> , <b>2012</b> , 7, 1946-55	18.8	72
52	In Vivo Evaluation of $^{18}\text{F}$ -SiFAlin-Modified TATE: A Potential Challenge for $^{68}\text{Ga}$ -DOTATATE, the Clinical Gold Standard for Somatostatin Receptor Imaging with PET. <i>Journal of Nuclear Medicine</i> , <b>2015</b> , 56, 1100-5	8.9	63
51	One-step $^{18}\text{F}$ -labeling of carbohydrate-conjugated octreotate-derivatives containing a silicon-fluoride-acceptor (SiFA): in vitro and in vivo evaluation as tumor imaging agents for positron emission tomography (PET). <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 2289-96	6.3	59
50	Kit-like 18F-labeling of proteins: synthesis of 4-(di-tert-butyl[18F]fluorosilyl)benzenethiol (Si[18F]FA-SH) labeled rat serum albumin for blood pool imaging with PET. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 317-21	6.3	59
49	From Unorthodox to Established: The Current Status of (18)F-Trifluoroborate- and (18)F-SiFA-Based Radiopharmaceuticals in PET Nuclear Imaging. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 267-79	6.3	55
48	Synthesis and evaluation of (S)-2-(2-[18F]fluoroethoxy)-4-([3-methyl-1-(2-piperidin-1-yl-phenyl)-butyl-carbamoyl]-methyl)-benzoic acid ([18F]repaglinide): a promising radioligand for quantification of pancreatic beta-cell mass with positron emission tomography (PET). <i>Nuclear Medicine and Biology</i> , <b>2004</b> , 31, 633-47	2.1	53
47	para-Functionalized aryl-di-tert-butylfluorosilanes as potential labeling synthons for (18)F radiopharmaceuticals. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 2140-7	4.8	52
46	Rapid (18)F-labeling and loading of PEGylated gold nanoparticles for in vivo applications. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 1143-50	6.3	46
45	A universally applicable $^{68}\text{Ga}$ -labeling technique for proteins. <i>Journal of Nuclear Medicine</i> , <b>2011</b> , 52, 586-91	9.1	45
44	Oxalic acid supported Si-18F-radiofluorination: one-step radiosynthesis of N-succinimidyl 3-(di-tert-butyl[18F]fluorosilyl)benzoate ([18F]SiFB) for protein labeling. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 106-14	6.3	44
43	Silicon-[18F]Fluorine Radiochemistry: Basics, Applications and Challenges. <i>Applied Sciences (Switzerland)</i> , <b>2012</b> , 2, 277-302	2.6	33
42	N-(4-(di-tert-butyl[18F]fluorosilyl)benzyl)-2-hydroxy-N,N-dimethylethylammonium bromide ([18F]SiFAN+Br <sup>-</sup> ) A novel lead compound for the development of hydrophilic SiFA-based prosthetic groups for 18F-labeling. <i>Journal of Fluorine Chemistry</i> , <b>2011</b> , 132, 27-34	2.1	32

41	Synthesis and in vitro and in vivo evaluation of SiFA-tagged bombesin and RGD peptides as tumor imaging probes for positron emission tomography. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 738-49	6.3	31
40	PESIN multimerization improves receptor avidities and in vivo tumor targeting properties to GRPR-overexpressing tumors. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 489-500	6.3	30
39	Protein labeling with the labeling precursor [(18F)SiFA-SH for positron emission tomography. <i>Nature Protocols</i> , <b>2012</b> , 7, 1964-9	18.8	30
38	Synthesis and in vitro evaluation of (S)-2-([11C]methoxy)-4-[3-methyl-1-(2-piperidine-1-yl-phenyl)-butyl-carbamoyl]-benzoic acid ([11C]methoxy-repaglinide): a potential beta-cell imaging agent. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 1507-15	2.9	30
37	Next Generation of SiFAlin-Based TATE Derivatives for PET Imaging of SSTR-Positive Tumors: Influence of Molecular Design on In Vitro SSTR Binding and In Vivo Pharmacokinetics. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 2350-9	6.3	28
36	Synthesis of [(18F)SiFB: a prosthetic group for direct protein radiolabeling for application in positron emission tomography. <i>Nature Protocols</i> , <b>2012</b> , 7, 1956-63	18.8	27
35	Chelating agents and their use in radiopharmaceutical sciences. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2011</b> , 11, 968-83	3.2	27
34	Identification of [F]TRACK, a Fluorine-18-Labeled Tropomyosin Receptor Kinase (Trk) Inhibitor for PET Imaging. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 1737-1743	8.3	25
33	Small Prosthetic Groups in F-Radiochemistry: Useful Auxiliaries for the Design of F-PET Tracers. <i>Seminars in Nuclear Medicine</i> , <b>2017</b> , 47, 474-492	5.4	25
32	DOTA derivatives for site-specific biomolecule-modification via click chemistry: synthesis and comparison of reaction characteristics. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 3864-74	3.4	22
31	Application of tris-allyl-DOTA in the preparation of DOTA-peptide conjugates. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 5985-5988	2	22
30	Synthesis of 2-amino-6-(2-[18F]fluoro-pyridine-4-ylmethoxy)-9-(octyl-β-glucosyl)-purine: a novel radioligand for positron emission tomography studies of the O6-methylguanine-DNA methyltransferase (MGMT) status of tumour tissue. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 6301-6304	2	22
29	Radiolabeled heterobivalent peptidic ligands: an approach with high future potential for in vivo imaging and therapy of malignant diseases. <i>ChemMedChem</i> , <b>2013</b> , 8, 883-90	3.7	16
28	t-Bu2SiF-derivatized D2-receptor ligands: the first SiFA-containing small molecule radiotracers for target-specific PET-imaging. <i>Molecules</i> , <b>2011</b> , 16, 7458-79	4.8	16
27	SiFA-Modified Phenylalanine: A Key Compound for the Efficient Synthesis of 18F-Labelled Peptides. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 2238-2246	2.3	16
26	Next Step toward Optimization of GRP Receptor Avidities: Determination of the Minimal Distance between BBN(7-14) Units in Peptide Homodimers. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 1479-83	6.3	15
25	Gastrin-Releasing Peptide Receptor- and Prostate-Specific Membrane Antigen-Specific Ultrasmall Gold Nanoparticles for Characterization and Diagnosis of Prostate Carcinoma via Fluorescence Imaging. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 1525-1533	6.3	14
24	A Kinome-Wide Selective Radiolabeled TrkB/C Inhibitor for in Vitro and in Vivo Neuroimaging: Synthesis, Preclinical Evaluation, and First-in-Human. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 6897-6910	8.3	14

23	Design, synthesis and in vitro evaluation of heterobivalent peptidic radioligands targeting both GRP- and VPAC-Receptors concomitantly overexpressed on various malignancies - Is the concept feasible?. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 155, 84-95	6.8	11
22	Simple and convenient radiolabeling of proteins using a prelabeling-approach with thiol-DOTA. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 1926-9	2.9	10
21	First-in-Human Brain Imaging of [F]TRACK, a PET tracer for Tropomyosin Receptor Kinases. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 2697-2702	5.7	9
20	Tropomyosin receptor kinase inhibitors: an updated patent review for 2016-2019. <i>Expert Opinion on Therapeutic Patents</i> , <b>2020</b> , 30, 325-339	6.8	9
19	Direct one-step labeling of cysteine residues on peptides with [(11)C]methyl triflate for the synthesis of PET radiopharmaceuticals. <i>Amino Acids</i> , <b>2013</b> , 45, 1097-108	3.5	9
18	Alpha selective epoxide opening with <sup>18</sup> F-synthesis of 4-(3-[ <sup>18</sup> F]fluoro-2-hydroxypropoxy)benzaldehyde ([ <sup>18</sup> F]FPB) for peptide labeling. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 1973-1976	2	9
17	Fully automated SPE-based synthesis and purification of 2-[ <sup>18</sup> F]fluoroethyl-choline for human use. <i>Nuclear Medicine and Biology</i> , <b>2011</b> , 38, 165-70	2.1	8
16	Evaluation of an automated double-synthesis module: efficiency and reliability of subsequent radiosyntheses of FHBG and FLT. <i>Nuclear Medicine and Biology</i> , <b>2012</b> , 39, 586-92	2.1	7
15	Design of brain imaging agents for positron emission tomography: do large bioconjugates provide an opportunity for in vivo brain imaging?. <i>Future Medicinal Chemistry</i> , <b>2013</b> , 5, 1621-34	4.1	7
14	iEDDA Conjugation Reaction in Radiometal Labeling of Peptides with Ga and Cu: Unexpected Findings. <i>ACS Omega</i> , <b>2018</b> , 3, 14039-14053	3.9	7
13	Shuttle-cargo fusion molecules of transport peptides and the hD2/3 receptor antagonist fallypride: a feasible approach to preserve ligand-receptor binding?. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 4368-87	8.2	5
12	Radiosynthesis of [F]SiFAlin-TATE for clinical neuroendocrine tumor positron emission tomography. <i>Nature Protocols</i> , <b>2020</b> , 15, 3827-3843	18.8	5
11	Improving the stability of peptidic radiotracers by the introduction of artificial scaffolds: which structure element is most useful?. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2015</b> , 58, 395-402	1.9	4
10	Automated radiosynthesis of N-succinimidyl 3-(di-tert-butyl[ <sup>18</sup> F]fluorosilyl)benzoate ([ <sup>18</sup> F]SiFB) for peptides and proteins radiolabeling for positron emission tomography. <i>Applied Radiation and Isotopes</i> , <b>2014</b> , 89, 146-50	1.7	4
9	Synthetic Strategies Towards O6-Substituted Guanine Derivatives and their Application in Medicine. <i>Current Organic Synthesis</i> , <b>2005</b> , 2, 215-230	1.9	3
8	Side-by-Side Comparison of Five Chelators for Zr-Labeling of Biomolecules: Investigation of Chemical/Radiochemical Properties and Complex Stability.. <i>Cancers</i> , <b>2021</b> , 13,	6.6	3
7	Synthesis, in vitro and in vivo evaluation of F-fluoronorimatinib as radiotracer for Imatinib-sensitive gastrointestinal stromal tumors. <i>Nuclear Medicine and Biology</i> , <b>2018</b> , 57, 1-11	2.1	2
6	Aiming at the tumor-specific accumulation of MGMT-inhibitors: First description of a synthetic strategy towards inhibitor-peptide conjugates. <i>Tetrahedron Letters</i> , <b>2020</b> , 61, 151840	2	1

5	Identification of a Suitable Peptidic Molecular Platform for the Development of NPY(Y)R-Specific Imaging Agents. <i>ChemMedChem</i> , <b>2020</b> , 15, 1652-1660	3.7	1
4	Are heterobivalent GRPR- and VPACR-bispecific radiopeptides suitable for efficient in vivo tumor imaging of prostate carcinomas?. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 48, 128241	2.9	1
3	On the Viability of Tadalafil-Based F-Radiotracers for Phosphodiesterase 5 (PDE5) PET Imaging. <i>ACS Omega</i> , <b>2021</b> , 6, 21741-21754	3.9	0
2	Synthetic approaches towards [ <sup>18</sup> F]fluoro-DOG1, a potential radiotracer for the imaging of gastrointestinal stromal tumors. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 3332-3335	2	
1	Synthesis and Preclinical Evaluation of [F]SiFA-PSMA Inhibitors in a Prostate Cancer Model. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 15671-15689	8.3	