Bjrn Wngler

List of Publications by Year in Descending Order

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	Synthesis and Preclinical Evaluation of [F]SiFA-PSMA Inhibitors in a Prostate Cancer Model. *Journal of Medicinal Chemistry*, **2021**, 64, 15671-15689	8.3	
57	On the Viability of Tadalafil-Based F-Radiotracers for Phosphodiesterase 5 (PDE5) PET Imaging. *ACS Omega*, **2021**, 6, 21741-21754	3.9	0
56	Are heterobivalent GRPR- and VPACR-bispecific radiopeptides suitable for efficient in vivo tumor imaging of prostate carcinomas?. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 48, 128241	2.9	1
55	Side-by-Side Comparison of Five Chelators for Zr-Labeling of Biomolecules: Investigation of Chemical/Radiochemical Properties and Complex Stability.. *Cancers*, **2021**, 13,	6.6	3
54	Aiming at the tumor-specific accumulation of MGMT-inhibitors: First description of a synthetic strategy towards inhibitor-peptide conjugates. *Tetrahedron Letters*, **2020**, 61, 151840	2	1
53	Tropomyosin receptor kinase inhibitors: an updated patent review for 2016-2019. *Expert Opinion on Therapeutic Patents*, **2020**, 30, 325-339	6.8	9
52	Radiosynthesis of [F]SiFAlin-TATE for clinical neuroendocrine tumor positron emission tomography. *Nature Protocols*, **2020**, 15, 3827-3843	18.8	5
51	Identification of a Suitable Peptidic Molecular Platform for the Development of NPY(Y)R-Specific Imaging Agents. *ChemMedChem*, **2020**, 15, 1652-1660	3.7	1
50	First-in-Human Brain Imaging of [F]TRACK, a PET tracer for Tropomyosin Receptor Kinases. *ACS Chemical Neuroscience*, **2019**, 10, 2697-2702	5.7	9
49	Identification of [F]TRACK, a Fluorine-18-Labeled Tropomyosin Receptor Kinase (Trk) Inhibitor for PET Imaging. *Journal of Medicinal Chemistry*, **2018**, 61, 1737-1743	8.3	25
48	Synthesis, in vitro and in vivo evaluation of F-fluoronorimatinib as radiotracer for Imatinib-sensitive gastrointestinal stromal tumors. *Nuclear Medicine and Biology*, **2018**, 57, 1-11	2.1	2
47	Gastrin-Releasing Peptide Receptor- and Prostate-Specific Membrane Antigen-Specific Ultrasmall Gold Nanoparticles for Characterization and Diagnosis of Prostate Carcinoma via Fluorescence Imaging. *Bioconjugate Chemistry*, **2018**, 29, 1525-1533	6.3	14
46	Synthetic approaches towards [18F]fluoro-DOG1, a potential radiotracer for the imaging of gastrointestinal stromal tumors. *Tetrahedron Letters*, **2018**, 59, 3332-3335	2	
45	iEDDA Conjugation Reaction in Radiometal Labeling of Peptides with Ga and Cu: Unexpected Findings. *ACS Omega*, **2018**, 3, 14039-14053	3.9	7
44	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?. *European Journal of Medicinal Chemistry*, **2018**, 155, 84-95	6.8	11
43	Small Prosthetic Groups in F-Radiochemistry: Useful Auxiliaries for the Design of F-PET Tracers. *Seminars in Nuclear Medicine*, **2017**, 47, 474-492	5.4	25
42	A Kinome-Wide Selective Radiolabeled TrkB/C Inhibitor for in Vitro and in Vivo Neuroimaging: Synthesis, Preclinical Evaluation, and First-in-Human. *Journal of Medicinal Chemistry*, **2017**, 60, 6897-6910	8.3	14

41	From Unorthodox to Established: The Current Status of (18)F-Trifluoroborate- and (18)F-SiFA-Based Radiopharmaceuticals in PET Nuclear Imaging. *Bioconjugate Chemistry*, **2016**, 27, 267-79	6.3	55
40	Next Step toward Optimization of GRP Receptor Avidities: Determination of the Minimal Distance between BBN(7-14) Units in Peptide Homodimers. *Bioconjugate Chemistry*, **2015**, 26, 1479-83	6.3	15
39	In Vivo Evaluation of □F-SiFAlin-Modified TATE: A Potential Challenge for □Ga-DOTATATE, the Clinical Gold Standard for Somatostatin Receptor Imaging with PET. *Journal of Nuclear Medicine*, **2015**, 56, 1100-5	8.9	63
38	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. *Bioconjugate Chemistry*, **2015**, 26, 2350-9	6.3	28
37	Improving the stability of peptidic radiotracers by the introduction of artificial scaffolds: which structure element is most useful?. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2015**, 58, 395-402	1.9	4
36	Synthesis and in vitro and in vivo evaluation of SiFA-tagged bombesin and RGD peptides as tumor imaging probes for positron emission tomography. *Bioconjugate Chemistry*, **2014**, 25, 738-49	6.3	31
35	Shuttle-cargo fusion molecules of transport peptides and the hD2/3 receptor antagonist fallypride: a feasible approach to preserve ligand-receptor binding?. *Journal of Medicinal Chemistry*, **2014**, 57, 4368-81	8.3	5
34	Automated radiosynthesis of N-succinimidyl 3-(di-tert-butyl[(18)F]fluorosilyl)benzoate ([(18)F]SiFB) for peptides and proteins radiolabeling for positron emission tomography. *Applied Radiation and Isotopes*, **2014**, 89, 146-50	1.7	4
33	PESIN multimerization improves receptor avidities and in vivo tumor targeting properties to GRPR-overexpressing tumors. *Bioconjugate Chemistry*, **2014**, 25, 489-500	6.3	30
32	Rapid (18)F-labeling and loading of PEGylated gold nanoparticles for in vivo applications. *Bioconjugate Chemistry*, **2014**, 25, 1143-50	6.3	46
31	(89)Zr, a radiometal nuclide with high potential for molecular imaging with PET: chemistry, applications and remaining challenges. *Molecules*, **2013**, 18, 6469-90	4.8	82
30	Radiolabeled heterobivalent peptidic ligands: an approach with high future potential for in vivo imaging and therapy of malignant diseases. *ChemMedChem*, **2013**, 8, 883-90	3.7	16
29	Direct one-step labeling of cysteine residues on peptides with [(11)C]methyl triflate for the synthesis of PET radiopharmaceuticals. *Amino Acids*, **2013**, 45, 1097-108	3.5	9
28	Design of brain imaging agents for positron emission tomography: do large bioconjugates provide an opportunity for in vivo brain imaging?. *Future Medicinal Chemistry*, **2013**, 5, 1621-34	4.1	7
27	One-step (18)F-labeling of peptides for positron emission tomography imaging using the SiFA methodology. *Nature Protocols*, **2012**, 7, 1946-55	18.8	72
26	Oxalic acid supported Si-18F-radiofluorination: one-step radiosynthesis of N-succinimidyl 3-(di-tert-butyl[18F]fluorosilyl)benzoate ([18F]SiFB) for protein labeling. *Bioconjugate Chemistry*, **2012**, 23, 106-14	6.3	44
25	Evaluation of an automated double-synthesis module: efficiency and reliability of subsequent radiosyntheses of FHBG and FLT. *Nuclear Medicine and Biology*, **2012**, 39, 586-92	2.1	7
24	Protein labeling with the labeling precursor [(18)F]SiFA-SH for positron emission tomography. *Nature Protocols*, **2012**, 7, 1964-9	18.8	30

23	Synthesis of [(18)F]SiFB: a prosthetic group for direct protein radiolabeling for application in positron emission tomography. *Nature Protocols*, **2012**, 7, 1956-63	18.8	27
22	Silicon-[18F]Fluorine Radiochemistry: Basics, Applications and Challenges. *Applied Sciences (Switzerland)*, **2012**, 2, 277-302	2.6	33
21	Fully automated SPE-based synthesis and purification of 2-[18F]fluoroethyl-choline for human use. *Nuclear Medicine and Biology*, **2011**, 38, 165-70	2.1	8
20	t-Bu2SiF-derivatized D2-receptor ligands: the first SiFA-containing small molecule radiotracers for target-specific PET-imaging. *Molecules*, **2011**, 16, 7458-79	4.8	16
19	N-(4-(di-tert-butyl[18F]fluorosilyl)benzyl)-2-hydroxy-N,N-dimethylethylammonium bromide ([18F]SiFAN+Br□ A novel lead compound for the development of hydrophilic SiFA-based prosthetic groups for 18F-labeling. *Journal of Fluorine Chemistry*, **2011**, 132, 27-34	2.1	32
18	SiFA-Modified Phenylalanine: A Key Compound for the Efficient Synthesis of 18F-Labelled Peptides. *European Journal of Inorganic Chemistry*, **2011**, 2011, 2238-2246	2.3	16
17	DOTA derivatives for site-specific biomolecule-modification via click chemistry: synthesis and comparison of reaction characteristics. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 3864-74	3.4	22
16	Alpha selective epoxide opening with 18F□synthesis of 4-(3-[18F]fluoro-2-hydroxypropoxy)benzaldehyde ([18F]FPB) for peptide labeling. *Tetrahedron Letters*, **2011**, 52, 1973-1976	2	9
15	Chelating agents and their use in radiopharmaceutical sciences. *Mini-Reviews in Medicinal Chemistry*, **2011**, 11, 968-83	3.2	27
14	A universally applicable 68Ga-labeling technique for proteins. *Journal of Nuclear Medicine*, **2011**, 52, 586-91	8.9	45
13	Click-chemistry reactions in radiopharmaceutical chemistry: fast & easy introduction of radiolabels into biomolecules for in vivo imaging. *Current Medicinal Chemistry*, **2010**, 17, 1092-116	4.3	99
12	One-step □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). *Bioconjugate Chemistry*, **2010**, 21, 2289-96	6.3	59
11	Multimerization of cRGD peptides by click chemistry: synthetic strategies, chemical limitations, and influence on biological properties. *ChemBioChem*, **2010**, 11, 2168-81	3.8	74
10	para-Functionalized aryl-di-tert-butylfluorosilanes as potential labeling synthons for (18)F radiopharmaceuticals. *Chemistry - A European Journal*, **2009**, 15, 2140-7	4.8	52
9	Simple and convenient radiolabeling of proteins using a prelabeling-approach with thiol-DOTA. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 1926-9	2.9	10
8	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. *Bioconjugate Chemistry*, **2009**, 20, 317-21	6.3	59
7	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. *Bioconjugate Chemistry*, **2007**, 18, 2085-9	6.3	89
6	18F-labeling of peptides by means of an organosilicon-based fluoride acceptor. *Angewandte Chemie - International Edition*, **2006**, 45, 6047-50	16.4	174

5	Application of tris-allyl-DOTA in the preparation of DOTA□peptide conjugates. *Tetrahedron Letters*, **2006**, 47, 5985-5988	2	22
4	Synthetic Strategies Towards O6-Substituted Guanine Derivatives and their Application in Medicine. *Current Organic Synthesis*, **2005**, 2, 215-230	1.9	3
3	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. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 5205-9	2.9	30
2	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). *Nuclear Medicine and Biology*, **2004**, 31, 689-47	2.1	53
1	Synthesis of 2-amino-6-(2-[18F]fluoro-pyridine-4-ylmethoxy)-9-(octyl-□-d-glucosyl)-purine: a novel radioligand for positron emission tomography studies of the O6-methylguanine-DNA methyltransferase (MGMT) status of tumour tissue. *Tetrahedron Letters*, **2002**, 43, 6301-6304	2	22