

Thomas Reiner

List of Publications by Year in Descending Order

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

143
papers

4,720
citations

41
h-index

64
g-index

157
ext. papers

5,637
ext. citations

7.7
avg, IF

5.53
L-index

#	Paper	IF	Citations
143	Inhibition of Microtubule Dynamics in Cancer Cells by Indole-Modified Latonduine Derivatives and Their Metal Complexes.. <i>Inorganic Chemistry</i> , 2022 ,	5.1	1
142	Systematically evaluating DOTATATE and FDG as PET immuno-imaging tracers of cardiovascular inflammation.. <i>Scientific Reports</i> , 2022 , 12, 6185	4.9	1
141	Combined PARP1-targeted nuclear contrast and reflectance contrast enhances confocal microscopic detection of basal cell carcinoma. <i>Journal of Nuclear Medicine</i> , 2021 ,	8.9	2
140	PARP1: A Potential Molecular Marker to Identify Cancer During Colposcopy Procedures. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 941-948	8.9	1
139	A modular approach toward producing nanotherapeutics targeting the innate immune system. <i>Science Advances</i> , 2021 , 7,	14.3	9
138	Reply: Potential Use of Radiolabeled Antibodies for Imaging and Treatment of COVID-19. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 1020-1021	8.9	
137	Auger: The future of precision medicine. <i>Nuclear Medicine and Biology</i> , 2021 , 96-97, 50-53	2.1	2
136	A phase I study of a PARP1-targeted topical fluorophore for the detection of oral cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 3618-3630	8.8	6
135	Pharmacological Inhibition of the Voltage-Gated Sodium Channel Na _v 1.7 Alleviates Chronic Visceral Pain in a Rodent Model of Irritable Bowel Syndrome. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 1362-1378	5.9	1
134	Sensors and Inhibitors for the Detection of Ataxia Telangiectasia Mutated (ATM) Protein Kinase. <i>Molecular Pharmaceutics</i> , 2021 , 18, 2470-2481	5.6	1
133	Rapid detection of SARS-CoV-2 using a radiolabeled antibody. <i>Nuclear Medicine and Biology</i> , 2021 , 98-99, 69-75	2.1	0
132	PARP-Targeted Auger Therapy in p53 Mutant Colon Cancer Xenograft Mouse Models. <i>Molecular Pharmaceutics</i> , 2021 , 18, 3418-3428	5.6	6
131	Imaging Early-Stage Metastases Using an F-Labeled VEGFR-1-Specific Single Chain VEGF Mutant. <i>Molecular Imaging and Biology</i> , 2021 , 23, 340-349	3.8	1
130	Optoacoustic Imaging of Glucagon-like Peptide-1 Receptor with a Near-Infrared Exendin-4 Analog. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 839-848	8.9	4
129	[F]PARPi Imaging Is Not Affected by HPV Status In Vitro. <i>Molecular Imaging</i> , 2021 , 2021, 6641397	3.7	1
128	Bimodal Imaging of Mouse Peripheral Nerves with Chlorin Tracers. <i>Molecular Pharmaceutics</i> , 2021 , 18, 940-951	5.6	0
127	A one-pot radiosynthesis of [F]PARPi. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2020 , 63, 419-425	1.9	3

126	Tumor Targeting by Integrin-Specific Lipid Nanoparticles Occurs Phagocyte Hitchhiking. <i>ACS Nano</i> , 2020 , 14, 7832-7846	16.7	28
125	Improved radiosynthesis of I-MAPi, an auger theranostic agent. <i>International Journal of Radiation Biology</i> , 2020 , 1-7	2.9	4
124	Validation of the use of a fluorescent PARP1 inhibitor for the detection of oral, oropharyngeal and oesophageal epithelial cancers. <i>Nature Biomedical Engineering</i> , 2020 , 4, 272-285	19	25
123	High-resolution optoacoustic imaging of tissue responses to vascular-targeted therapies. <i>Nature Biomedical Engineering</i> , 2020 , 4, 286-297	19	46
122	Poly(ADP-Ribose)Polymerase (PARP) Inhibitors and Radiation Therapy. <i>Frontiers in Pharmacology</i> , 2020 , 11, 170	5.6	29
121	Fluorescence-guided resection of tumors in mouse models of oral cancer. <i>Scientific Reports</i> , 2020 , 10, 11175	4.9	8
120	Fluorine-18 labeled poly (ADP-ribose) polymerase1 inhibitor as a potential alternative to 2-deoxy-2-[F]fluoro-d-glucose positron emission tomography in oral cancer imaging. <i>Nuclear Medicine and Biology</i> , 2020 , 84-85, 80-87	2.1	9
119	PET/CT Imaging with an F-Labeled Galactodendritic Unit in a Galectin-1-Overexpressing Orthotopic Bladder Cancer Model. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1369-1375	8.9	3
118	Safety and Feasibility of PARP1/2 Imaging with F-PARPi in Patients with Head and Neck Cancer. <i>Clinical Cancer Research</i> , 2020 , 26, 3110-3116	12.9	15
117	Fluorescence labeling of a Na1.7-targeted peptide for near-infrared nerve visualization. <i>EJNMMI Research</i> , 2020 , 10, 49	3.6	6
116	Smartphone epifluorescence microscopy for cellular imaging of fresh tissue in low-resource settings. <i>Biomedical Optics Express</i> , 2020 , 11, 89-98	3.5	12
115	TOPKi-NBD: a fluorescent small molecule for tumor imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1003-1010	8.8	3
114	Multimodality labeling strategies for the investigation of nanocrystalline cellulose biodistribution in a mouse model of breast cancer. <i>Nuclear Medicine and Biology</i> , 2020 , 80-81, 1-12	2.1	8
113	Gain-of-Function Mutant p53 R273H Interacts with Replicating DNA and PARP1 in Breast Cancer. <i>Cancer Research</i> , 2020 , 80, 394-405	10.1	20
112	Preclinical and first-in-human-brain-cancer applications of [F]poly (ADP-ribose) polymerase inhibitor PET/MR. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa119	0.9	5
111	Imaging Cardiovascular and Lung Macrophages With the Positron Emission Tomography Sensor Cu-Macrin in Mice, Rabbits, and Pigs. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e010586	3.9	7
110	Oncology-Inspired Treatment Options for COVID-19. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1720-1723	8.9	11
109	Optical Imaging Modalities: Principles and Applications in Preclinical Research and Clinical Settings. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1419-1427	8.9	20

108	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , 2020 , 183, 786-801.e19	56.2	42
107	Leveraging synthetic chlorins for bio-imaging applications. <i>Chemical Communications</i> , 2020 , 56, 12608-12611	3.1	2
106	Multimodal Positron Emission Tomography Imaging to Quantify Uptake of Zr-Labeled Liposomes in the Atherosclerotic Vessel Wall. <i>Bioconjugate Chemistry</i> , 2020 , 31, 360-368	6.3	12
105	An Zr-HDL PET Tracer Monitors Response to a CSF1R Inhibitor. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 433-436	8.9	14
104	Noninvasive PET Imaging of CDK4/6 Activation in Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 437-442	8.9	6
103	Probing myeloid cell dynamics in ischaemic heart disease by nanotracer hot-spot imaging. <i>Nature Nanotechnology</i> , 2020 , 15, 398-405	28.7	20
102	Targeted Brain Tumor Radiotherapy Using an Auger Emitter. <i>Clinical Cancer Research</i> , 2020 , 26, 2871-2881	1.9	37
101	Positron-Emission Tomographic Imaging of a Fluorine 18-Radiolabeled Poly(ADP-Ribose) Polymerase 1 Inhibitor Monitors the Therapeutic Efficacy of Talazoparib in SCLC Patient-Derived Xenografts. <i>Journal of Thoracic Oncology</i> , 2019 , 14, 1743-1752	8.9	8
100	Acid specific dark quencher QC1 pHLP for multi-spectral optoacoustic diagnoses of breast cancer. <i>Scientific Reports</i> , 2019 , 9, 8550	4.9	12
99	Blocking of Glucagonlike Peptide-1 Receptors in the Exocrine Pancreas Improves Specificity for ECells in a Mouse Model of Type 1 Diabetes. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1635-1641	8.9	11
98	Novel latonduine derived proligands and their copper(ii) complexes show cytotoxicity in the nanomolar range in human colon adenocarcinoma cells and in vitro cancer selectivity. <i>Dalton Transactions</i> , 2019 , 48, 10464-10478	4.3	10
97	Specific Targeting of Somatostatin Receptor Subtype-2 for Fluorescence-Guided Surgery. <i>Clinical Cancer Research</i> , 2019 , 25, 4332-4342	12.9	15
96	Imaging-assisted nanoimmunotherapy for atherosclerosis in multiple species. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	31
95	Fluorescence Imaging of Peripheral Nerves by a Na1.7-Targeted Inhibitor Cystine Knot Peptide. <i>Bioconjugate Chemistry</i> , 2019 , 30, 2879-2888	6.3	10
94	Nanobody-Facilitated Multiparametric PET/MRI Phenotyping of Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2015-2026	8.4	42
93	[F]FE-OTS964: a Small Molecule Targeting TOPK for In Vivo PET Imaging in a Glioblastoma Xenograft Model. <i>Molecular Imaging and Biology</i> , 2019 , 21, 705-712	3.8	8
92	Efficacy and safety assessment of a TRAF6-targeted nanoimmunotherapy in atherosclerotic mice and non-human primates. <i>Nature Biomedical Engineering</i> , 2018 , 2, 279-292	19	60
91	Bioorthogonal Masking of Circulating Antibody-TCO Groups Using Tetrazine-Functionalized Dextran Polymers. <i>Bioconjugate Chemistry</i> , 2018 , 29, 538-545	6.3	28

90	PET/MR Imaging of Malondialdehyde-Acetaldehyde Epitopes With a Human Antibody Detects Clinically Relevant Atherothrombosis. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 321-335	15.1	31
89	Target engagement imaging of PARP inhibitors in small-cell lung cancer. <i>Nature Communications</i> , 2018 , 9, 176	17.4	53
88	Reversible Electroporation-Mediated Liposomal Doxorubicin Delivery to Tumors Can Be Monitored With Zr-Labeled Reporter Nanoparticles. <i>Molecular Imaging</i> , 2018 , 17, 1536012117749726	3.7	10
87	PARP-1-Targeted Radiotherapy in Mouse Models of Glioblastoma. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1225-1233	8.9	28
86	Direct Imaging of Drug Distribution and Target Engagement of the PARP Inhibitor Rucaparib. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1316-1320	8.9	9
85	Antibody with Infinite Affinity for In Vivo Tracking of Genetically Engineered Lymphocytes. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1894-1900	8.9	28
84	Molecular Imaging and Molecular Imaging Technologies 2018 , 3-27		
83	Current Practice and Emerging Molecular Imaging Technologies in Oral Cancer Screening. <i>Molecular Imaging</i> , 2018 , 17, 1536012118808644	3.7	15
82	Discriminating radiation injury from recurrent tumor with [F]PARPi and amino acid PET in mouse models. <i>EJNMMI Research</i> , 2018 , 8, 59	3.6	9
81	Leveraging PET to image folate receptor therapy of an antibody-drug conjugate. <i>EJNMMI Research</i> , 2018 , 8, 87	3.6	6
80	Inhibiting Inflammation with Myeloid Cell-Specific Nanobiologics Promotes Organ Transplant Acceptance. <i>Immunity</i> , 2018 , 49, 819-828.e6	32.3	95
79	Nanoemulsion-Based Delivery of Fluorescent PARP Inhibitors in Mouse Models of Small Cell Lung Cancer. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3776-3782	6.3	12
78	Sonophore-enhanced nanoemulsions for optoacoustic imaging of cancer. <i>Chemical Science</i> , 2018 , 9, 5646-5657	9.4	21
77	Evaluation of [F]-ATRi as PET tracer for in vivo imaging of ATR in mouse models of brain cancer. <i>Nuclear Medicine and Biology</i> , 2017 , 48, 9-15	2.1	3
76	Polyglucose nanoparticles with renal elimination and macrophage avidity facilitate PET imaging in ischaemic heart disease. <i>Nature Communications</i> , 2017 , 8, 14064	17.4	95
75	Biomarker-Based PET Imaging of Diffuse Intrinsic Pontine Glioma in Mouse Models. <i>Cancer Research</i> , 2017 , 77, 2112-2123	10.1	18
74	Development of a New Folate-Derived Ga-68-Based PET Imaging Agent. <i>Molecular Imaging and Biology</i> , 2017 , 19, 754-761	3.8	13
73	Hyaluronan Nanoparticles Selectively Target Plaque-Associated Macrophages and Improve Plaque Stability in Atherosclerosis. <i>ACS Nano</i> , 2017 , 11, 5785-5799	16.7	103

72	Investigating the Cellular Specificity in Tumors of a Surface-Converting Nanoparticle by Multimodal Imaging. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1413-1421	6.3	6
71	Sonophore labeled RGD: a targeted contrast agent for optoacoustic imaging. <i>Photoacoustics</i> , 2017 , 6, 1-8	9	20
70	Integrating nanomedicine and imaging. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	5
69	Targeted PET imaging strategy to differentiate malignant from inflamed lymph nodes in diffuse large B-cell lymphoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7441-E7449	11.5	22
68	cis-Tetrachlorido-bis(indazole)osmium(iv) and its osmium(iii) analogues: paving the way towards the cis-isomer of the ruthenium anticancer drugs KP1019 and/or NKP1339. <i>Dalton Transactions</i> , 2017 , 46, 11925-11941	4.3	8
67	Detection and Delineation of Oral Cancer With a PARP1-Targeted Optical Imaging Agent. <i>Molecular Imaging</i> , 2017 , 16, 1536012117723786	3.7	11
66	Specific Binding of Liposomal Nanoparticles through Inverse Electron-Demand Diels-Alder Click Chemistry. <i>ChemistryOpen</i> , 2017 , 6, 615-619	2.3	7
65	Synthesis of a Fluorescently Labeled Ga-DOTA-TOC Analog for Somatostatin Receptor Targeting. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 720-725	4.3	20
64	A systematic comparison of clinically viable nanomedicines targeting HMG-CoA reductase in inflammatory atherosclerosis. <i>Journal of Controlled Release</i> , 2017 , 262, 47-57	11.7	37
63	Measurement of drug-target engagement in live cells by two-photon fluorescence anisotropy imaging. <i>Nature Protocols</i> , 2017 , 12, 1472-1497	18.8	14
62	A Comprehensive Procedure to Evaluate the In Vivo Performance of Cancer Nanomedicines. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
61	Molecular Imaging of PARP. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1025-1030	8.9	57
60	(18)F-Based Pretargeted PET Imaging Based on Bioorthogonal Diels-Alder Click Chemistry. <i>Bioconjugate Chemistry</i> , 2016 , 27, 298-301	6.3	110
59	Immune cell screening of a nanoparticle library improves atherosclerosis therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6731-E6740	11.5	75
58	Non-invasive PET Imaging of PARP1 Expression in Glioblastoma Models. <i>Molecular Imaging and Biology</i> , 2016 , 18, 386-92	3.8	48
57	In Vivo PET Imaging of HDL in Multiple Atherosclerosis Models. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 950-61	8.4	62
56	A Pretargeted Approach for the Multimodal PET/NIRF Imaging of Colorectal Cancer. <i>Theranostics</i> , 2016 , 6, 2267-2277	12.1	42
55	Optical Imaging of PARP1 in Response to Radiation in Oral Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2016 , 11, e0147752	3.7	22

54	Pretargeted PET Imaging Using a Site-Specifically Labeled Immunoconjugate. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1789-95	6.3	46
53	Nanoreporter PET predicts the efficacy of anti-cancer nanotherapy. <i>Nature Communications</i> , 2016 , 7, 11838	17.4	73
52	Detection and delineation of oral cancer with a PARP1 targeted optical imaging agent. <i>Scientific Reports</i> , 2016 , 6, 21371	4.9	46
51	Near-Infrared Intraoperative Chemiluminescence Imaging. <i>ChemMedChem</i> , 2016 , 11, 1978-82	3.7	4
50	PET Imaging of Tumor-Associated Macrophages with 89Zr-Labeled High-Density Lipoprotein Nanoparticles. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 1272-7	8.9	120
49	Dual-Modality Optical/PET Imaging of PARP1 in Glioblastoma. <i>Molecular Imaging and Biology</i> , 2015 , 17, 848-55	3.8	46
48	Inhibiting macrophage proliferation suppresses atherosclerotic plaque inflammation. <i>Science Advances</i> , 2015 , 1,	14.3	137
47	Radioiodinated PARP1 tracers for glioblastoma imaging. <i>EJNMMI Research</i> , 2015 , 5, 123	3.6	33
46	Optimization of a Pretargeted Strategy for the PET Imaging of Colorectal Carcinoma via the Modulation of Radioligand Pharmacokinetics. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3575-87	5.6	73
45	Cerenkov Luminescence Imaging for Radiation Dose Calculation of a ^{67}Ga -Labeled Gastrin-Releasing Peptide Receptor Antagonist. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 805-11	8.9	32
44	Harnessing the bioorthogonal inverse electron demand Diels-Alder cycloaddition for pretargeted PET imaging. <i>Journal of Visualized Experiments</i> , 2015 , e52335	1.6	6
43	Development of a clickable bimodal fluorescent/PET probe for in vivo imaging. <i>EJNMMI Research</i> , 2015 , 5, 120	3.6	21
42	Efficient acid-catalyzed (18) F/(19) F fluoride exchange of BODIPY dyes. <i>ChemMedChem</i> , 2014 , 9, 1368-73	7.7	30
41	A modular labeling strategy for in vivo PET and near-infrared fluorescence imaging of nanoparticle tumor targeting. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1706-11	8.9	72
40	In vivo imaging of GLP-1R with a targeted bimodal PET/fluorescence imaging agent. <i>Bioconjugate Chemistry</i> , 2014 , 25, 1323-30	6.3	44
39	PARPi-FL--a fluorescent PARP1 inhibitor for glioblastoma imaging. <i>Neoplasia</i> , 2014 , 16, 432-40	6.4	41
38	Effect of small-molecule modification on single-cell pharmacokinetics of PARP inhibitors. <i>Molecular Cancer Therapeutics</i> , 2014 , 13, 986-95	6.1	38
37	Building Blocks for the Construction of Bioorthogonally Reactive Peptides via Solid-Phase Peptide Synthesis. <i>ChemistryOpen</i> , 2014 , 3, 48-53	2.3	21

36	Synthesis of the first radiolabeled ¹⁸⁸ Re N-heterocyclic carbene complex and initial studies on its potential use in radiopharmaceutical applications. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014 , 57, 441-7	1.9	10
35	The inverse electron demand Diels-Alder click reaction in radiochemistry. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014 , 57, 285-90	1.9	48
34	Single-cell and subcellular pharmacokinetic imaging allows insight into drug action in vivo. <i>Nature Communications</i> , 2013 , 4, 1504	17.4	153
33	Synthetic strategies for efficient conjugation of organometallic complexes with pendant protein reactive markers. <i>Journal of Organometallic Chemistry</i> , 2013 , 744, 82-91	2.3	6
32	(¹⁸ F)-labeled-bioorthogonal liposomes for in vivo targeting. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1784-9	6.3	67
31	Targeting cathepsin E in pancreatic cancer by a small molecule allows in vivo detection. <i>Neoplasia</i> , 2013 , 15, 684-93	6.4	29
30	Phenylalanine--a biogenic ligand with flexible σ - and σ : π -coordination at ruthenium(II) centres. <i>Dalton Transactions</i> , 2013 , 42, 8692-703	4.3	10
29	Metal-conjugated affinity labels: a new concept to create enantioselective artificial metalloenzymes. <i>ChemistryOpen</i> , 2013 , 2, 50-4	2.3	16
28	A pretargeted PET imaging strategy based on bioorthogonal Diels-Alder click chemistry. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 1389-96	8.9	213
27	Metal-conjugated affinity labels: a new concept to create enantioselective artificial metalloenzymes. <i>ChemistryOpen</i> , 2013 , 2, 40	2.3	
26	Microfluidic on-chip capture-cycloaddition reaction to reversibly immobilize small molecules or multi-component structures for biosensor applications. <i>Journal of Visualized Experiments</i> , 2013 , e50772	1.6	
25	Imaging therapeutic PARP inhibition in vivo through bioorthogonally developed companion imaging agents. <i>Neoplasia</i> , 2012 , 14, 169-77	6.4	79
24	Efficient F-Labeling of Synthetic Exendin-4 Analogues for Imaging Beta Cells. <i>ChemistryOpen</i> , 2012 , 1, 177-183	2.3	36
23	Microfluidic cell sorter (BCS) for on-chip capture and analysis of single cells. <i>Advanced Healthcare Materials</i> , 2012 , 1, 432-6	10.1	40
22	Bioorthogonal Imaging of Aurora Kinase A in Live Cells. <i>Angewandte Chemie</i> , 2012 , 124, 6702-6707	3.6	22
21	Bioorthogonal imaging of aurora kinase A in live cells. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6598-603	16.4	82
20	Nanoparticle-mediated measurement of target-drug binding in cancer cells. <i>ACS Nano</i> , 2011 , 5, 9216-24	16.7	20
19	Ubiquitous detection of gram-positive bacteria with bioorthogonal magnetofluorescent nanoparticles. <i>ACS Nano</i> , 2011 , 5, 8834-41	16.7	118

18	High-yielding, two-step ¹⁸ F labeling strategy for ¹⁸ F-PARP1 inhibitors. <i>ChemMedChem</i> , 2011 , 6, 424-7	3.7	70
17	Synthese und In-vivo-Bildgebung eines ¹⁸ F-markierten PARP1- Inhibitors mithilfe eines chemisch orthogonalen, Abfangreagens- gestützten Hochdurchsatzverfahrens. <i>Angewandte Chemie</i> , 2011 , 123, 1963-1966	3.6	11
16	Bioorthogonal Probes for Polo-like Kinase 1 Imaging and Quantification. <i>Angewandte Chemie</i> , 2011 , 123, 9550-9553	3.6	21
15	Synthesis and in vivo imaging of a ¹⁸ F-labeled PARP1 inhibitor using a chemically orthogonal scavenger-assisted high-performance method. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1922-5	16.4	85
14	Bioorthogonal probes for polo-like kinase 1 imaging and quantification. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9378-81	16.4	75
13	Towards quantitative catalytic lignin depolymerization. <i>Chemistry - A European Journal</i> , 2011 , 17, 5939-48	4.8	406
12	In vivo PET imaging of histone deacetylases by ¹⁸ F-suberoylanilide hydroxamic acid (¹⁸ F-SAHA). <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 5576-82	8.3	48
11	Specific pathogen detection using bioorthogonal chemistry and diagnostic magnetic resonance. <i>Bioconjugate Chemistry</i> , 2011 , 22, 2390-4	6.3	55
10	Accurate measurement of pancreatic islet beta-cell mass using a second-generation fluorescent exendin-4 analog. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12815-20	11.5	103
9	Near-infrared fluorescent probe for imaging of pancreatic beta cells. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1362-8	6.3	41
8	Bioorthogonal small-molecule ligands for PARP1 imaging in living cells. <i>ChemBioChem</i> , 2010 , 11, 2374-7	3.8	54
7	β-Arene complexes of ruthenium and osmium with pendant donor functionalities. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 2667-2672	2.3	19
6	Side chain functionalized β-tetramethyl cyclopentadienyl complexes of Rh and Ir with a pendant primary amine group. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1934-1937	2.3	21
5	A Phase I Study of a PARP1-targeted Topical Fluorophore for the Detection of Oral Cancer		1
4	PARP1/2 imaging with ¹⁸ F-PARPi in patients with head and neck cancer		2
3	Optoacoustic imaging of GLP-1 Receptor with a near-infrared exendin-4 analog		1
2	Targeted brain tumor radiotherapy using an Auger emitter		2
1	PARP1 as a biomarker for early detection and intraoperative tumor delineation in epithelial cancers [first-in-human results]		6

