

Roger Schibli

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187
papers

8,677
citations

46
h-index

87
g-index

196
ext. papers

9,636
ext. citations

5.7
avg, IF

6.02
L-index

#	Paper	IF	Citations
187	A Novel Organometallic Aqua Complex of Technetium for the Labeling of Biomolecules: Synthesis of $[^{99m}\text{Tc}(\text{OH}_2)_3(\text{CO})_3]^+$ from $[^{99m}\text{TcO}_4]^-$ in Aqueous Solution and Its Reaction with a Bifunctional Ligand. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7987-7988	16.4	595
186	Synthesis and properties of boranocarbonate: a convenient in situ CO source for the aqueous preparation of $[(^{99m}\text{Tc}(\text{OH}(2))_3(\text{CO})_3]^+$. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3135-6	16.4	384
185	Metal chelating systems synthesized using the copper(I) catalyzed azide-alkyne cycloaddition. <i>Dalton Transactions</i> , 2010 , 39, 675-96	4.3	328
184	Influence of the denticity of ligand systems on the in vitro and in vivo behavior of $(^{99m}\text{Tc}(\text{I})\text{-tricarboxyl complexes: a hint for the future functionalization of biomolecules.}$ <i>Bioconjugate Chemistry</i> , 2000 , 11, 345-51	6.3	319
183	Basic aqueous chemistry of $[\text{M}(\text{OH}_2)_3(\text{CO})_3]^+$ (M=Re, Tc) directed towards radiopharmaceutical application. <i>Coordination Chemistry Reviews</i> , 1999 , 190-192, 901-919	23.2	295
182	Current use and future potential of organometallic radiopharmaceuticals. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002 , 29, 1529-42	8.8	270
181	"Click to chelate": synthesis and installation of metal chelates into biomolecules in a single step. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15096-7	16.4	265
180	Site-specific and stoichiometric modification of antibodies by bacterial transglutaminase. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9995-7	16.4	235
179	First Application of $\text{fac-}[^{99m}\text{Tc}(\text{OH}_2)_3(\text{CO})_3]^+$ in Bioorganometallic Chemistry: Design, Structure, and in Vitro Affinity of a 5-HT _{1A} Receptor Ligand Labeled with ^{99m} Tc. <i>Journal of the American Chemical Society</i> , 1999 , 121, 6076-6077	16.4	210
178	Metal carbonyl syntheses XXII. Low pressure carbonylation of $[\text{MOCl}_4]$ and $[\text{MO}_4]$ the technetium(I) and rhenium(I) complexes $[\text{NEt}_4]_2[\text{MCl}_3(\text{CO})_3]$. <i>Journal of Organometallic Chemistry</i> , 1995 , 493, 119-127	2.3	191
177	Transglutaminase-based chemo-enzymatic conjugation approach yields homogeneous antibody-drug conjugates. <i>Bioconjugate Chemistry</i> , 2014 , 25, 569-78	6.3	180
176	Steps toward high specific activity labeling of biomolecules for therapeutic application: preparation of precursor $[(^{188}\text{Re}(\text{H}_2\text{O})_3(\text{CO})_3)]^+$ and synthesis of tailor-made bifunctional ligand systems. <i>Bioconjugate Chemistry</i> , 2002 , 13, 750-6	6.3	166
175	"Click-to-chelate": design and incorporation of triazole-containing metal-chelating systems into biomolecules of diagnostic and therapeutic interest. <i>Chemistry - A European Journal</i> , 2008 , 14, 6173-83	4.8	154
174	A unique matched quadruplet of terbium radioisotopes for PET and SPECT and for β and α radionuclide therapy: an in vivo proof-of-concept study with a new receptor-targeted folate derivative. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 1951-9	8.9	134
173	Promising prospects for ⁴⁴ Sc-/ ⁴⁷ Sc-based theragnostics: application of ⁴⁷ Sc for radionuclide tumor therapy in mice. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1658-64	8.9	127
172	Folic acid conjugates for nuclear imaging of folate receptor-positive cancer. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 1-4	8.9	121
171	Reactions with the technetium and rhenium carbonyl complexes $(\text{NEt}_4)_2[\text{MX}_3(\text{CO})_3]$. Synthesis and structure of $[\text{Tc}(\text{CN-But})_3(\text{CO})_3](\text{NO}_3)$ and $(\text{NEt}_4)[\text{Tc}_2(\text{E}_5\text{CH}_2\text{CH}_2\text{OH})_3(\text{CO})_6]$. <i>Polyhedron</i> , 1996 , 15, 1079-1089	2.7	119

170	DOTA conjugate with an albumin-binding entity enables the first folic acid-targeted ¹⁷⁷ Lu-radionuclide tumor therapy in mice. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 124-31	8.9	110
169	Sc-PSMA-617 for radiotheragnostics in tandem with Lu-PSMA-617-preclinical investigations in comparison with Ga-PSMA-11 and Ga-PSMA-617. <i>EJNMMI Research</i> , 2017 , 7, 9	3.6	104
168	The low-energy β^- and electron emitter (¹⁶¹ Tb) as an alternative to (¹⁷⁷ Lu) for targeted radionuclide therapy. <i>Nuclear Medicine and Biology</i> , 2011 , 38, 917-24	2.1	94
167	"Click-to-chelate": in vitro and in vivo comparison of a ^{99m} Tc(CO) ₃ -labeled N(τ)-histidine folate derivative with its isostructural, clicked 1,2,3-triazole analogue. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1689-95	6.3	90
166	Derivatization of glucose and 2-deoxyglucose for transition metal complexation: substitution reactions with organometallic ^{99m} Tc and Re precursors and fundamental NMR investigations. <i>Chemistry - A European Journal</i> , 2001 , 7, 1868-73	4.8	89
165	Promises of cyclotron-produced ⁴⁴ Sc as a diagnostic match for trivalent β^- emitters: in vitro and in vivo study of a ⁴⁴ Sc-DOTA-folate conjugate. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 2168-74	8.9	80
164	Synthesis and in vitro characterization of organometallic rhenium and technetium glucose complexes against Glut 1 and hexokinase. <i>Bioconjugate Chemistry</i> , 2005 , 16, 105-12	6.3	76
163	Hydrolysis of the Organometallic Aqua Ion fac-Triaquatricarbonylrhenium(I). Mechanism, pKa, and Formation Constants of the Polynuclear Hydrolysis Products. <i>Organometallics</i> , 1997 , 16, 1833-1840	3.8	75
162	Albumin-Binding PSMA Ligands: Optimization of the Tissue Distribution Profile. <i>Molecular Pharmaceutics</i> , 2018 , 15, 934-946	5.6	74
161	A "click chemistry" approach to the efficient synthesis of multiple imaging probes derived from a single precursor. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1940-9	6.3	74
160	¹⁸ F-Radiolabeling of Aromatic Compounds Using Triarylsulfonium Salts. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 889-892	3.2	72
159	Antibody Conjugates: From Heterogeneous Populations to Defined Reagents. <i>Antibodies</i> , 2015 , 4, 197-224	7.1	71
158	SPECT study of folate receptor-positive malignant and normal tissues in mice using a novel ^{99m} Tc-radiofolate. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 310-7	8.9	70
157	Cyclotron production of (⁴⁴ Sc): From bench to bedside. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 745-51	2.1	66
156	Direct in vitro and in vivo comparison of (¹⁶¹ Tb) and (¹⁷⁷ Lu) using a tumour-targeting folate conjugate. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 41, 476-85	8.8	63
155	Terbium-161 for PSMA-targeted radionuclide therapy of prostate cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 1919-1930	8.8	61
154	Novel glycosylated [^{99m} Tc(CO) ₃]-labeled bombesin analogues for improved targeting of gastrin-releasing peptide receptor-positive tumors. <i>Bioconjugate Chemistry</i> , 2008 , 19, 2432-9	6.3	61
153	Preclinical Development of Novel PSMA-Targeting Radioligands: Modulation of Albumin-Binding Properties To Improve Prostate Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2018 , 15, 2297-2306	5.6	60

152	Preclinical evaluation of novel organometallic ^{99m} Tc-folate and ^{99m} Tc-pterolate radiotracers for folate receptor-positive tumour targeting. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006 , 33, 1007-16	8.8	60
151	Organometallic ^{99m} Tc-technetium(I)- and Re-rhenium(I)-folate derivatives for potential use in nuclear medicine. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 4712-4721	2.3	57
150	Structural and (⁹⁹ Tc) NMR Investigations of Complexes with fac-[Tc(CO)(3)](+) Moieties and Macrocyclic Thioethers of Various Ring Sizes: Synthesis and X-ray Structure of the Complexes fac-[Tc(9-ane-S(3))(CO)(3)]Br, fac-[Tc(2)(tosylate)(2)(18-ane-S(6))(CO)(6)], and fac-[Tc(2)(20-ane-S(6)-OH)(CO)(6)][tosylate](2). <i>Inorganic Chemistry</i> , 1998 , 37, 3509-3516	5.1	57
149	Dosimetry and first clinical evaluation of the new ¹⁸ F-radiolabeled bombesin analogue BAY 864367 in patients with prostate cancer. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 372-8	8.9	55
148	Radioimmunotherapy of fibroblast activation protein positive tumors by rapidly internalizing antibodies. <i>Clinical Cancer Research</i> , 2012 , 18, 6208-18	12.9	55
147	Prospects in folate receptor-targeted radionuclide therapy. <i>Frontiers in Oncology</i> , 2013 , 3, 249	5.3	55
146	A click approach to structurally diverse conjugates containing a central di-1,2,3-triazole metal chelate. <i>ChemMedChem</i> , 2009 , 4, 529-39	3.7	54
145	Folate receptor targeted alpha-therapy using terbium-149. <i>Pharmaceuticals</i> , 2014 , 7, 353-65	5.2	51
144	Imaging of activated macrophages in experimental osteoarthritis using folate-targeted animal single-photon-emission computed tomography/computed tomography. <i>Arthritis and Rheumatism</i> , 2011 , 63, 1898-907		50
143	Pemetrexed improves tumor selectivity of ¹¹¹ In-DTPA-folate in mice with folate receptor-positive ovarian cancer. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 623-9	8.9	48
142	Alpha-PET with terbium-149: evidence and perspectives for radiotheragnostics. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2017 , 1, 5	5.8	47
141	Folate Receptor-Positive Gynecological Cancer Cells: In Vitro and In Vivo Characterization. <i>Pharmaceuticals</i> , 2017 , 10,	5.2	46
140	Evaluation of a novel radiofolate in tumour-bearing mice: promising prospects for folate-based radionuclide therapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 938-46	8.8	46
139	Complete Carbonylation of fac-. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 254-256	16.4	46
138	The soluble form of the cancer-associated L1 cell adhesion molecule is a pro-angiogenic factor. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 1572-80	5.6	45
137	Modification of different IgG1 antibodies via glutamine and lysine using bacterial and human tissue transglutaminase. <i>Bioconjugate Chemistry</i> , 2008 , 19, 271-8	6.3	45
136	Isostructural folate conjugates radiolabeled with the matched pair ^{99m} Tc/ ¹⁸⁸ Re: a potential strategy for diagnosis and therapy of folate receptor-positive tumors. <i>Nuclear Medicine and Biology</i> , 2007 , 34, 595-601	2.1	44
135	Synthesis and in vitro/in vivo evaluation of novel ^{99m} Tc(CO) ₃ -folates. <i>Bioconjugate Chemistry</i> , 2006 , 17, 797-806	6.3	44

134	Therapeutic Radiometals Beyond Lu and Y: Production and Application of Promising β Particle, β Particle, and Auger Electron Emitters. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 91S-96S	8.9	43
133	Sc for labeling of DOTA- and NODAGA-functionalized peptides: preclinical in vitro and in vivo investigations. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2017 , 1, 8	5.8	42
132	Synthesis, in vitro, and in silico evaluation of organometallic technetium and rhenium thymidine complexes with retained substrate activity toward human thymidine kinase type 1. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 6689-98	8.3	42
131	Versatile synthetic approach to new bifunctional chelating agents tailor made for labeling with the fac-[M(CO)(3)](+) core (M = Tc, (99m)Tc, Re): synthesis, in vitro, and in vivo behavior of the model complex [M(APPA)(CO)(3)] (APPA = [(5-amino-pentyl)-pyridin-2-yl-methyl-amino]-acetic acid). <i>Nuclear Medicine and Biology</i> , 2003 , 30, 465-70	2.1	42
130	First-in-Human PET/CT Imaging of Metastatic Neuroendocrine Neoplasms with Cyclotron-Produced Sc-DOTATOC: A Proof-of-Concept Study. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2017 , 32, 124-132 ^{3,9}	3.9	41
129	Towards Translational ImmunoPET/MR Imaging of Invasive Pulmonary Aspergillosis: The Humanised Monoclonal Antibody JF5 Detects Lung Infections. <i>Theranostics</i> , 2017 , 7, 3398-3414	12.1	41
128	Anti-L1CAM radioimmunotherapy is more effective with the radiolanthanide terbium-161 compared to lutetium-177 in an ovarian cancer model. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 41, 1907-15	8.8	41
127	Clinical evaluation of the radiolanthanide terbium-152: first-in-human PET/CT with Tb-DOTATOC. <i>Dalton Transactions</i> , 2017 , 46, 14638-14646	4.3	41
126	Quantification of brain glucose metabolism by 18F-FDG PET with real-time arterial and image-derived input function in mice. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 132-8	8.9	40
125	Future prospects for SPECT imaging using the radiolanthanide terbium-155 - production and preclinical evaluation in tumor-bearing mice. <i>Nuclear Medicine and Biology</i> , 2014 , 41 Suppl, e58-65	2.1	39
124	Radiosynthesis and preclinical evaluation of 3PAza-2P[(18)F]fluorofolic acid: a novel PET radiotracer for folate receptor targeting. <i>Bioconjugate Chemistry</i> , 2013 , 24, 205-14	6.3	38
123	Tumor targeting using 67Ga-DOTA-Bz-folate--investigations of methods to improve the tissue distribution of radiofolates. <i>Nuclear Medicine and Biology</i> , 2011 , 38, 715-23	2.1	38
122	Contribution of Auger/conversion electrons to renal side effects after radionuclide therapy: preclinical comparison of (161)Tb-folate and (177)Lu-folate. <i>EJNMMI Research</i> , 2016 , 6, 13	3.6	37
121	Sc as useful β emitter for the radiotheragnostic paradigm: a comparative study of feasible production routes. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2017 , 2, 5	5.8	37
120	In vitro and in vivo targeting of different folate receptor-positive cancer cell lines with a novel 99mTc-radiofolate tracer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006 , 33, 1162-70	8.8	35
119	Dual, Site-Specific Modification of Antibodies by Using Solid-Phase Immobilized Microbial Transglutaminase. <i>ChemBioChem</i> , 2017 , 18, 1923-1927	3.8	34
118	Gene expression levels of matrix metalloproteinases in human atherosclerotic plaques and evaluation of radiolabeled inhibitors as imaging agents for plaque vulnerability. <i>Nuclear Medicine and Biology</i> , 2014 , 41, 562-9	2.1	34
117	Folate receptor-targeted radionuclide therapy: preclinical investigation of anti-tumor effects and potential radionephropathy. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 770-9	2.1	33

116	Inhibition of MNK pathways enhances cancer cell response to chemotherapy with temozolomide and targeted radionuclide therapy. <i>Cellular Signalling</i> , 2016 , 28, 1412-21	4.9	33
115	Imaging quality of ⁴⁴ Sc in comparison with five other PET radionuclides using Derenzo phantoms and preclinical PET. <i>Applied Radiation and Isotopes</i> , 2016 , 110, 129-133	1.7	33
114	Syntheses and characterization of dicarbonyl-nitrosyl complexes of technetium(I) and rhenium(I) in aqueous media: spectroscopic, structural, and DFT analyses. <i>Inorganic Chemistry</i> , 2005 , 44, 683-90	5.1	33
113	⁶⁴ Cu- and ⁶⁸ Ga-Based PET Imaging of Folate Receptor-Positive Tumors: Development and Evaluation of an Albumin-Binding NODAGA-Folate. <i>Molecular Pharmaceutics</i> , 2016 , 13, 1979-87	5.6	33
112	Production and characterization of no-carrier-added Tb as an alternative to the clinically-applied Lu for radionuclide therapy. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2019 , 4, 12	5.8	32
111	Preclinical Comparison of Albumin-Binding Radiofolates: Impact of Linker Entities on the in Vitro and in Vivo Properties. <i>Molecular Pharmaceutics</i> , 2017 , 14, 523-532	5.6	31
110	Molecular assembly of multifunctional ^{99m} Tc radiopharmaceuticals using "clickable" amino acid derivatives. <i>ChemMedChem</i> , 2010 , 5, 2026-38	3.7	31
109	Functionalization of glucose at position C-3 for transition metal coordination: organo-rhenium complexes with carbohydrate skeletons. <i>Bioconjugate Chemistry</i> , 2005 , 16, 421-8	6.3	31
108	Novel chemoselective ¹⁸ F-radiolabeling of thiol-containing biomolecules under mild aqueous conditions. <i>Chemical Communications</i> , 2016 , 52, 6083-6	5.8	31
107	Evaluation of C-Me-NB1 as a Potential PET Radioligand for Measuring GluN2B-Containing NMDA Receptors, Drug Occupancy, and Receptor Cross Talk. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 698-703	8.9	31
106	Comparative studies of substitution reactions of rhenium(I) dicarbonyl-nitrosyl and tricarbonyl complexes in aqueous media. <i>Inorganic Chemistry</i> , 2005 , 44, 6082-91	5.1	30
105	Alpha-PET for Prostate Cancer: Preclinical investigation using Tb-PSMA-617. <i>Scientific Reports</i> , 2019 , 9, 17800	4.9	30
104	Towards non-invasive imaging of vulnerable atherosclerotic plaques by targeting co-stimulatory molecules. <i>International Journal of Cardiology</i> , 2014 , 174, 503-15	3.2	29
103	L1-CAM-targeted antibody therapy and ¹⁷⁷ Lu-radioimmunotherapy of disseminated ovarian cancer. <i>International Journal of Cancer</i> , 2012 , 130, 2715-21	7.5	29
102	Versatile routes to C-2- and C-6-functionalized glucose derivatives of iminodiacetic acid. <i>Journal of Organic Chemistry</i> , 2003 , 68, 512-8	4.2	29
101	PEGylation of ^{99m} Tc-labeled bombesin analogues improves their pharmacokinetic properties. <i>Nuclear Medicine and Biology</i> , 2011 , 38, 997-1009	2.1	28
100	Ortsspezifische und stöchiometrische Modifikation von Antikörpern durch bakterielle Transglutaminase. <i>Angewandte Chemie</i> , 2010 , 122, 10191-10194	3.6	28
99	Regional cerebral blood flow estimated by early PiB uptake is reduced in mild cognitive impairment and associated with age in an amyloid-dependent manner. <i>Neurobiology of Aging</i> , 2015 , 36, 1619-1628	5.6	27

98	Preclinical investigations and first-in-human application of Tb-PSMA-617 for PET/CT imaging of prostate cancer. <i>EJNMMI Research</i> , 2019 , 9, 68	3.6	27
97	Imaging Atherosclerotic Plaque Inflammation via Folate Receptor Targeting Using a Novel ¹⁸ F-Folate Radiotracer. <i>Molecular Imaging</i> , 2014 , 13, 7290.2013.00074	3.7	27
96	A comparison of three (67/68)Ga-labelled exendin-4 derivatives for cell imaging on the GLP-1 receptor: the influence of the conjugation site of NODAGA as chelator. <i>EJNMMI Research</i> , 2014 , 4, 31	3.6	26
95	Radioiodinated folic acid conjugates: evaluation of a valuable concept to improve tumor-to-background contrast. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1213-21	5.6	26
94	Effects of the antifolates pemetrexed and CB3717 on the tissue distribution of (99m)Tc-EC20 in xenografted and syngeneic tumor-bearing mice. <i>Molecular Pharmaceutics</i> , 2010 , 7, 597-604	5.6	26
93	Preclinical evaluation and test-retest studies of [(18)F]PSS232, a novel radioligand for targeting metabotropic glutamate receptor 5 (mGlu5). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015 , 42, 128-37	8.8	25
92	Charge dependent substrate activity of C3Pand N3 functionalized, organometallic technetium and rhenium-labeled thymidine derivatives toward human thymidine kinase 1. <i>Bioconjugate Chemistry</i> , 2010 , 21, 622-34	6.3	24
91	Effects of antifolate drugs on the cellular uptake of radiofolates in vitro and in vivo. <i>Journal of Nuclear Medicine</i> , 2006 , 47, 2057-64	8.9	24
90	Evaluation of the radiolabeled boronic acid-based FAP inhibitor MIP-1232 for atherosclerotic plaque imaging. <i>Molecules</i> , 2015 , 20, 2081-99	4.8	23
89	Radiolabeling of rituximab with (188)Re and (99m)Tc using the tricarbonyl technology. <i>Nuclear Medicine and Biology</i> , 2011 , 38, 19-28	2.1	23
88	Synthesis, characterization and X-ray crystal structure of [Re(L4)(CO) ₃]Br·2CH ₃ OH (L4=N,N-bis[(2-diphenylphosphino)ethyl]methoxyethylamine): A model compound for novel cationic ^{99m} Tc(I)-tricarbonyl radiotracers useful for heart imaging. <i>Inorganica Chimica Acta</i> , 2006 , 359, 2479-2488	2.7	23
87	Evaluation of the first Sc-labeled Affibody molecule for imaging of HER2-expressing tumors. <i>Nuclear Medicine and Biology</i> , 2017 , 45, 15-21	2.1	22
86	Synthesis and structures of technetium(I) and rhenium(I) tricarbonyl complexes with bis(diphenylthiophosphoryl)amide, [M(CO) ₃ [(Ph ₂ PS) ₂ N](CH ₃ CN)] (M = Tc, Re). <i>Polyhedron</i> , 1998 , 17, 1303-1309 ²²	3.7	22
85	Cannabinoid receptor type 2 (CB2) as one of the candidate genes in human carotid plaque imaging: Evaluation of the novel radiotracer [C]RS-016 targeting CB2 in atherosclerosis. <i>Nuclear Medicine and Biology</i> , 2017 , 47, 31-43	2.1	21
84	Microbial transglutaminase and c-myc-tag: a strong couple for the functionalization of antibody-like protein scaffolds from discovery platforms. <i>ChemBioChem</i> , 2015 , 16, 861-7	3.8	21
83	Quantitative positron emission tomography of mGluR5 in rat brain with [(18) F]PSS232 at minimal invasiveness and reduced model complexity. <i>Journal of Neurochemistry</i> , 2015 , 133, 330-42	6	21
82	Longitudinal in vivo evaluation of bone regeneration by combined measurement of multi-pinhole SPECT and micro-CT for tissue engineering. <i>Scientific Reports</i> , 2015 , 5, 10238	4.9	21
81	DOTA-functionalized polylysine: a high number of DOTA chelates positively influences the biodistribution of enzymatic conjugated anti-tumor antibody chCE7agl. <i>PLoS ONE</i> , 2013 , 8, e60350	3.7	21

80	Dose-dependent effects of (anti)folate preinjection on ^{99m} Tc-radiofolate uptake in tumors and kidneys. <i>Nuclear Medicine and Biology</i> , 2007 , 34, 603-8	2.1	21
79	Cholecystinin 2 Receptor Agonist Lu-PP-F11N for Radionuclide Therapy of Medullary Thyroid Carcinoma: Results of the Lumed Phase 0a Study. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 520-526	8.9	21
78	Comparative Studies of Three Pairs of α and β Conjugated Folic Acid Derivatives Labeled with Fluorine-18. <i>Bioconjugate Chemistry</i> , 2016 , 27, 74-86	6.3	20
77	Single photon emission computed tomography tracer. <i>Recent Results in Cancer Research</i> , 2013 , 187, 65-105	10.5	19
76	Development of a new class of PSMA radioligands comprising ibuprofen as an albumin-binding entity. <i>Theranostics</i> , 2020 , 10, 1678-1693	12.1	19
75	Design and Preclinical Evaluation of an Albumin-Binding PSMA Ligand for Cu-Based PET Imaging. <i>Molecular Pharmaceutics</i> , 2018 , 15, 5556-5564	5.6	19
74	Evaluation of 4-oxo-quinoline-based CB2 PET radioligands in R6/2 chorea huntington mouse model and human ALS spinal cord tissue. <i>European Journal of Medicinal Chemistry</i> , 2018 , 145, 746-759	6.8	18
73	Synthesis and Biological Evaluation of Thiophene-Based Cannabinoid Receptor Type 2 Radiotracers for PET Imaging. <i>Frontiers in Neuroscience</i> , 2016 , 10, 350	5.1	18
72	Imaging atherosclerotic plaque inflammation via folate receptor targeting using a novel ¹⁸ F-folate radiotracer. <i>Molecular Imaging</i> , 2014 , 13, 1-11	3.7	18
71	First-in-Humans Application of Tb: A Feasibility Study Using Tb-DOTATOC. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 1391-1397	8.9	17
70	Preclinical imaging of the co-stimulatory molecules CD80 and CD86 with indium-111-labeled belatacept in atherosclerosis. <i>EJNMMI Research</i> , 2016 , 6, 1	3.6	16
69	F-AzaFol for Detection of Folate Receptor- α Positive Macrophages in Experimental Interstitial Lung Disease-A Proof-of-Concept Study. <i>Frontiers in Immunology</i> , 2019 , 10, 2724	8.4	16
68	L1 Cell Adhesion Molecule Confers Radioresistance to Ovarian Cancer and Defines a New Cancer Stem Cell Population. <i>Cancers</i> , 2020 , 12,	6.6	15
67	Evaluation of ¹¹¹ In-labelled exendin-4 derivatives containing different meprin β -specific cleavable linkers. <i>PLoS ONE</i> , 2015 , 10, e0123443	3.7	15
66	Therapeutic Potential of Sc in Comparison to Lu and Y: Preclinical Investigations. <i>Pharmaceutics</i> , 2019 , 11,	6.4	14
65	PEGylation, increasing specific activity and multiple dosing as strategies to improve the risk-benefit profile of targeted radionuclide therapy with ¹⁷⁷ Lu-DOTA-bombesin analogues. <i>EJNMMI Research</i> , 2012 , 2, 24	3.6	14
64	Synthesis and Preliminary Evaluation of a 2-Oxoquinoline Carboxylic Acid Derivative for PET Imaging the Cannabinoid Type 2 Receptor. <i>Pharmaceutics</i> , 2014 , 7, 339-52	5.2	13
63	Targeted Cu-labeled gold nanoparticles for dual imaging with positron emission tomography and optical imaging. <i>Journal of Labelled Compounds and Radiopharmaceutics</i> , 2019 , 62, 471-482	1.9	12

62	Investigation of the chick embryo as a potential alternative to the mouse for evaluation of radiopharmaceuticals. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 226-33	2.1	12
61	Paclitaxel improved anti-L1CAM lutetium-177 radioimmunotherapy in an ovarian cancer xenograft model. <i>EJNMMI Research</i> , 2014 , 4, 54	3.6	12
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