

# Shimpei Iikuni

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5781209/publications.pdf>

Version: 2024-02-01

36  
papers

382  
citations

933447

10  
h-index

839539

18  
g-index

36  
all docs

36  
docs citations

36  
times ranked

442  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer radiotheranostics targeting carbonic anhydrase-IX with <sup>111</sup> In- and <sup>90</sup> Y-labeled ureidosulfonamide scaffold for SPECT imaging and radionuclide-based therapy. <i>Theranostics</i> , 2018, 8, 2992-3006.	10.0	42
2	Structure–Activity Relationship Study of Heterocyclic Phenylethenyl and Pyridinylethenyl Derivatives as Tau-Imaging Agents That Selectively Detect Neurofibrillary Tangles in Alzheimer’s Disease Brains. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7241-7257.	6.4	41
3	Development of Novel <sup>123</sup> I-Labeled Pyridyl Benzofuran Derivatives for SPECT Imaging of $\beta$ -Amyloid Plaques in Alzheimer’s Disease. <i>PLoS ONE</i> , 2013, 8, e74104.	2.5	39
4	Identification and Evaluation of Bisquinoline Scaffold as a New Candidate for $\beta$ -Synuclein-PET Imaging. <i>ACS Chemical Neuroscience</i> , 2020, 11, 4254-4261.	3.5	24
5	Enhancement of Binding Affinity for Amyloid Aggregates by Multivalent Interactions of <sup>99m</sup> Tc-Hydroxamamide Complexes. <i>Molecular Pharmaceutics</i> , 2014, 11, 1132-1139.	4.6	23
6	A <sup>68</sup> Ga complex based on benzofuran scaffold for the detection of $\beta$ -amyloid plaques. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4834-4837.	2.2	21
7	Imaging of Cerebral Amyloid Angiopathy with Bivalent <sup>99m</sup> Tc-Hydroxamamide Complexes. <i>Scientific Reports</i> , 2016, 6, 25990.	3.3	17
8	Radiotheranostics Using a Novel <sup>225</sup> Ac-Labeled Radioligand with Improved Pharmacokinetics Targeting Prostate-Specific Membrane Antigen. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13429-13438.	6.4	16
9	Synthesis and biological evaluation of <sup>123</sup> I-labeled pyridyl benzoxazole derivatives: novel $\beta$ -amyloid imaging probes for single-photon emission computed tomography. <i>RSC Advances</i> , 2015, 5, 1009-1015.	3.6	15
10	Modulation of the Pharmacokinetics of a Radioligand Targeting Carbonic Anhydrase-IX with Albumin-Binding Moieties. <i>Molecular Pharmaceutics</i> , 2021, 18, 966-975.	4.6	14
11	Synthesis and biological evaluation of novel technetium-99m-labeled phenylquinoxaline derivatives as single photon emission computed tomography imaging probes targeting $\beta$ -amyloid plaques in Alzheimer’s disease. <i>RSC Advances</i> , 2017, 7, 20582-20590.	3.6	11
12	Development of a novel radiotheranostic platform with a DOTA-based trifunctional chelating agent. <i>Chemical Communications</i> , 2021, 57, 6432-6435.	4.1	11
13	Development of the <sup>99m</sup> Tc-Hydroxamamide Complex as a Probe Targeting Carbonic Anhydrase IX. <i>Molecular Pharmaceutics</i> , 2019, 16, 1489-1497.	4.6	10
14	Chalcone Analogue as New Candidate for Selective Detection of $\beta$ -Synuclein Pathology. <i>ACS Chemical Neuroscience</i> , 2022, 13, 16-26.	3.5	10
15	<sup>18</sup> F-labeled benzimidazopyridine derivatives for PET imaging of tau pathology in Alzheimer’s disease. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3587-3594.	3.0	9
16	Synthesis and evaluation of indium-111-labeled imidazothiadiazole sulfonamide derivative for single photon emission computed tomography imaging targeting carbonic anhydrase-IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127255.	2.2	9
17	Novel radioiodinated 1,3,4-oxadiazole derivatives with improved in vivo properties for SPECT imaging of $\beta$ -amyloid plaques. <i>MedChemComm</i> , 2014, 5, 82-85.	3.4	8
18	Development of Technetium-99m-Labeled BODIPY-Based Probes Targeting Lipid Droplets Toward the Diagnosis of Hyperlipidemia-Related Diseases. <i>Molecules</i> , 2019, 24, 2283.	3.8	7

#	ARTICLE	IF	CITATIONS
19	Novel Bivalent <sup>99m</sup> Tc-Complex with N-Methyl-Substituted Hydroxamamide as Probe for Imaging of Cerebral Amyloid Angiopathy. PLoS ONE, 2016, 11, e0163969.	2.5	7
20	Development of an <sup>111</sup> In-Labeled Glucagon-Like Peptide-1 Receptor-Targeting Exendin-4 Derivative that Exhibits Reduced Renal Uptake. Molecular Pharmaceutics, 2022, 19, 1019-1027.	4.6	7
21	Structure-Activity Relationships of Radioiodinated 6,5,6-Tricyclic Compounds for the Development of Tau Imaging Probes. ACS Medicinal Chemistry Letters, 2020, 11, 120-126.	2.8	6
22	Synthesis and evaluation of novel technetium-99m-hydroxamamide complex based on imidazothiadiazole sulfonamide targeting carbonic anhydrase-IX for tumor imaging. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127596.	2.2	5
23	Synthesis and evaluation of <sup>68</sup> Ga-labeled imidazothiadiazole sulfonamide derivatives for PET imaging of carbonic anhydrase-IX. Nuclear Medicine and Biology, 2021, 93, 46-53.	0.6	4
24	PET imaging and pharmacological therapy targeting carbonic anhydrase-IX high-expressing tumors using US2 platform based on bivalent ureidosulfonamide. PLoS ONE, 2020, 15, e0243327.	2.5	4
25	Novel radiogallium-labeled pyridyl benzofuran derivative for detection of amylin aggregates in pancreas. Nuclear Medicine and Biology, 2020, 90-91, 93-97.	0.6	3
26	Development of Novel PET Imaging Probes for Detection of Amylin Aggregates in the Pancreas. Molecular Pharmaceutics, 2020, 17, 1293-1299.	4.6	3
27	Structure-Activity and Brain Kinetics Relationships of <sup>18</sup> F-Labeled Benzimidazopyridine Derivatives as Tau PET Tracers. ACS Medicinal Chemistry Letters, 2021, 12, 262-266.	2.8	3
28	Characterization and Optimization of Benzimidazopyrimidine and Pyridoimidazopyridine Derivatives as Tau-SPECT Probes. ACS Medicinal Chemistry Letters, 2021, 12, 805-811.	2.8	3
29	Development of novel <sup>67/68</sup> Ga-labeled pyridyl benzofuran derivatives as islet amyloid imaging probes. Nuclear Medicine and Biology, 2022, 106-107, 72-79.	0.6	3
30	Characterization of Radioiodinated Diaryl Oxadiazole Derivatives as SPECT Probes for Detection of Myelin in Multiple Sclerosis. ACS Chemical Neuroscience, 2022, 13, 363-369.	3.5	2
31	Synthesis and evaluation of a radioiodinated BODIPY derivative as a thiol labeling agent. Journal of Labelled Compounds and Radiopharmaceutics, 2019, 62, 885-891.	1.0	1
32	Feasibility of using a <sup>99m</sup> Tc-hydroxamamide complex containing an albumin binder moiety for in vivo albumin labeling-based tumor imaging. Bioorganic and Medicinal Chemistry Letters, 2021, 53, 128417.	2.2	1
33	Synthesis and evaluation of novel radioiodinated phenylbenzofuranone derivatives as $\beta$ -synuclein imaging probes. Bioorganic and Medicinal Chemistry Letters, 2022, 64, 128679.	2.2	1
34	Synthesis and Evaluation of Novel <sup>111</sup> In-Labeled Picolinic Acid-Based Radioligands Containing an Albumin Binder for Development of a Radiotheranostic Platform. Molecular Pharmaceutics, 2022, 19, 2725-2736.	4.6	1
35	Structure-Activity Relationships and Pharmacokinetics of <sup>111</sup> In-Labeled Glucagon-like Peptide-1 Receptor-Targeting Exendin-4 Derivatives Conjugated with Albumin Binder Moieties. Molecular Pharmaceutics, 2022, 19, 2832-2839.	4.6	1
36	Development of a hydroxamamide-based bifunctional chelating agent to prepare technetium-99m-labeled bivalent ligand probes. Scientific Reports, 2021, 11, 18714.	3.3	0