

Anne Roivainen

List of Publications by Year in descending order

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164
papers

4,587
citations

94433

37
h-index

128289

60
g-index

172
all docs

172
docs citations

172
times ranked

6283
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial DNA Replication Defects Disturb Cellular dNTP Pools and Remodel One-Carbon Metabolism. <i>Cell Metabolism</i> , 2016, 23, 635-648.	16.2	222
2	Kinetics of [¹¹ C]choline uptake in prostate cancer: a PET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 317-324.	6.4	181
3	<i>In Vivo</i> Imaging of Prostate Cancer Using [⁶⁸ Ga]-Labeled Bombesin Analog BAY86-7548. <i>Clinical Cancer Research</i> , 2013, 19, 5434-5443.	7.0	174
4	Fibroblast Growth Factor 21 Drives Dynamics of Local and Systemic Stress Responses in Mitochondrial Myopathy with mtDNA Deletions. <i>Cell Metabolism</i> , 2019, 30, 1040-1054.e7.	16.2	166
5	Fatty Acid Metabolism in the Liver, Measured by Positron Emission Tomography, Is Increased in Obese Individuals. <i>Gastroenterology</i> , 2010, 139, 846-856.e6.	1.3	144
6	Test-retest reliability of ¹¹ C-ORM-13070 in PET imaging of β - ² C-adrenoceptors in vivo in the human brain. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 120-127.	6.4	130
7	Regional Effects of Donepezil and Rivastigmine on Cortical Acetylcholinesterase Activity in Alzheimer's Disease. <i>Journal of Clinical Psychopharmacology</i> , 2002, 22, 615-620.	1.4	122
8	Blood metabolism of [methyl- ¹¹ C]choline; implications for in vivo imaging with positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000, 27, 25-32.	2.1	121
9	Use of positron emission tomography with methyl- ¹¹ C-choline and 2- ¹⁸ F-fluoro-2-deoxy-D-glucose in comparison with magnetic resonance imaging for the assessment of inflammatory proliferation of synovium. <i>Arthritis and Rheumatism</i> , 2003, 48, 3077-3084.	6.7	107
10	Siglec-9 is a novel leukocyte ligand for vascular adhesion protein-1 and can be used in PET imaging of inflammation and cancer. <i>Blood</i> , 2011, 118, 3725-3733.	1.4	100
11	Plasma Pharmacokinetics, Whole-Body Distribution, Metabolism, and Radiation Dosimetry of ⁶⁸ Ga Bombesin Antagonist BAY 86-7548 in Healthy Men. <i>Journal of Nuclear Medicine</i> , 2013, 54, 867-872.	5.0	93
12	Low STAT3 expression sensitizes to toxic effects of β -adrenergic receptor stimulation in peripartum cardiomyopathy. <i>European Heart Journal</i> , 2017, 38, ehw086.	2.2	87
13	Quantifying tumour hypoxia with fluorine-18 fluoroerythronitroimidazole ([¹⁸ F]FETNIM) and PET using the tumour to plasma ratio. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 101-108.	6.4	76
14	Imaging of adrenal incidentalomas with PET using (¹¹ C)-metomidate and (¹⁸ F)-FDG. <i>Journal of Nuclear Medicine</i> , 2004, 45, 972-9.	5.0	76
15	Nuclear imaging of inflammation: homing-associated molecules as targets. <i>EJNMMI Research</i> , 2013, 3, 1.	2.5	75
16	⁶⁸ Ga-labeled oligonucleotides for in vivo imaging with PET. <i>Journal of Nuclear Medicine</i> , 2004, 45, 347-55.	5.0	71
17	Comparison of ¹⁸ F-FDG and ⁶⁸ Ga PET imaging in the assessment of experimental osteomyelitis due to <i>Staphylococcus aureus</i> . <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2005, 32, 1259-1268.	6.4	69
18	H-ras oncogene point mutations in arthritic synovium. <i>Arthritis and Rheumatism</i> , 1997, 40, 1636-1643.	6.7	68

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19	Correlation of 18F-FDG PET/CT assessments with disease activity and markers of inflammation in patients with early rheumatoid arthritis following the initiation of combination therapy with triple oral antirheumatic drugs. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 403-410.	6.4	66
20	18F-FDG positron emission tomography/computed tomography in infective endocarditis. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 195-206.	2.1	64
21	Measurement of Striatal and Extrastriatal Dopamine Transporter Binding with High-Resolution PET and [¹¹ C]PE2I: Quantitative Modeling and Test-Retest Reproducibility. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1059-1069.	4.3	63
22	USF1 deficiency activates brown adipose tissue and improves cardiometabolic health. <i>Science Translational Medicine</i> , 2016, 8, 323ra13.	12.4	58
23	Biodistribution of 68Ga-labelled phosphodiester, phosphorothioate, and 2-O-methyl phosphodiester oligonucleotides in normal rats. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 26, 26-38.	4.0	57
24	68Ga-DOTA-RGD peptide: biodistribution and binding into atherosclerotic plaques in mice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 2058-2067.	6.4	57
25	64Cu- and 68Ga-Labelled [Nle14,Lys40(Ahx-NODAGA)NH2]-Exendin-4 for Pancreatic Beta Cell Imaging in Rats. <i>Molecular Imaging and Biology</i> , 2014, 16, 255-263.	2.6	55
26	Biodistribution and radiation dosimetry of [11C]choline: a comparison between rat and human data. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 874-883.	6.4	54
27	Uptake of [¹¹ C]-Choline in Mouse Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2010, 51, 798-802.	5.0	53
28	Pretargeted PET Imaging of <i>trans</i> -Cyclooctene-Modified Porous Silicon Nanoparticles. <i>ACS Omega</i> , 2017, 2, 62-69.	3.5	50
29	Uptake of inflammatory cell marker [11C]PK11195 into mouse atherosclerotic plaques. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 73-80.	6.4	48
30	Comparison of Somatostatin Receptor 2-Targeting PET Tracers in the Detection of Mouse Atherosclerotic Plaques. <i>Molecular Imaging and Biology</i> , 2016, 18, 99-108.	2.6	48
31	68Ga-DOTAVAP-P1 PET imaging capable of demonstrating the phase of inflammation in healing bones and the progress of infection in osteomyelitic bones. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 352-364.	6.4	47
32	Effects of Age, Diet, and Type 2 Diabetes on the Development and FDG Uptake of Atherosclerotic Plaques. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 1294-1301.	5.3	41
33	Non-specific binding of [18F]FDG to calcifications in atherosclerotic plaques: experimental study of mouse and human arteries. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 1461-1467.	6.4	40
34	Whole-body distribution and metabolism of [N-methyl-11C](R)-1-(2-chlorophenyl)-N-(1-methylpropyl)-3-isoquinolinecarboxamide in humans; an imaging agent for in vivo assessment of peripheral benzodiazepine receptor activity with positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 671-682.	6.4	40
35	Synthesis, 68Ga labeling and preliminary evaluation of DOTA peptide binding vascular adhesion protein-1: a potential PET imaging agent for diagnosing osteomyelitis. <i>Nuclear Medicine and Biology</i> , 2009, 36, 631-641.	0.6	40
36	Human biodistribution and radiation dosimetry of 11C-(R)-PK11195, the prototypic PET ligand to image inflammation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 606-612.	6.4	39

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37	18-kDa translocator protein ligand 18F-FEMPA: Biodistribution and uptake into atherosclerotic plaques in mice. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 862-871.	2.1	39
38	Aluminum fluoride-18 labeled folate enables in vivo detection of atherosclerotic plaque inflammation by positron emission tomography. <i>Scientific Reports</i> , 2018, 8, 9720.	3.3	39
39	Gallium-labelled peptides for imaging of inflammation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 68-77.	6.4	38
40	Detection of Hypoxia by [¹⁸ F]EF5 in Atherosclerotic Plaques in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1011-1015.	2.4	36
41	Translating the concept of peptidelabeling with 5-deoxy-5-[¹⁸ F]fluororibose into preclinical practice: ¹⁸ F-labeling of Siglec-9 peptide for PET imaging of inflammation. <i>Chemical Communications</i> , 2013, 49, 3682-3684.	4.1	33
42	Pancreatic Metabolism, Blood Flow, and β -Cell Function in Obese Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E981-E990.	3.6	33
43	PET imaging of inflammation and adenocarcinoma xenografts using vascular adhesion protein 1 targeting peptide 68Ga-DOTAVAP-P1: comparison with 18F-FDG. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 1918-1925.	6.4	31
44	68Ga-DOTA-Siglec-9 “a new imaging tool to detect synovitis. <i>Arthritis Research and Therapy</i> , 2015, 17, 308.	3.5	31
45	Folate Receptor β -Targeted PET Imaging of Macrophages in Autoimmune Myocarditis. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1643-1649.	5.0	31
46	Mini-PEG spacing of VAP-1-targeting 68Ga-DOTAVAP-P1 peptide improves PET imaging of inflammation. <i>EJNMMI Research</i> , 2011, 1, 10.	2.5	30
47	Leukocyte trafficking-associated vascular adhesion protein 1 is expressed and functionally active in atherosclerotic plaques. <i>Scientific Reports</i> , 2016, 6, 35089.	3.3	30
48	Mesenchymal Cell-Derived Juxtacrine Wnt1 Signaling Regulates Osteoblast Activity and Osteoclast Differentiation. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1129-1142.	2.8	29
49	Matrix Metalloproteinase 9 Targeting Peptides: Syntheses, ⁶⁸ Ga-labeling, and Preliminary Evaluation in a Rat Melanoma Xenograft Model. <i>Bioconjugate Chemistry</i> , 2010, 21, 1612-1621.	3.6	28
50	A comparative 18F-FDG PET/CT imaging of experimental <i>Staphylococcus aureus</i> osteomyelitis and <i>Staphylococcus epidermidis</i> foreign-body-associated infection in the rabbit tibia. <i>EJNMMI Research</i> , 2012, 2, 41.	2.5	28
51	Type 2 diabetes enhances arterial uptake of choline in atherosclerotic mice: an imaging study with positron emission tomography tracer 18F-fluoromethylcholine. <i>Cardiovascular Diabetology</i> , 2016, 15, 26.	6.8	27
52	Positron Emission Tomography Imaging of Macrophages in Atherosclerosis with ¹⁸ F-GE-180, a Radiotracer for Translocator Protein (TSPO). <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-11.	0.8	27
53	Uptake of 68gallium in atherosclerotic plaques in LDLR-/ApoB100/100 mice. <i>EJNMMI Research</i> , 2011, 1, 14.	2.5	26
54	Dimeric [68Ga]DOTA-RGD Peptide Targeting α _v β ₃ Integrin Reveals Extracellular Matrix Alterations after Myocardial Infarction. <i>Molecular Imaging and Biology</i> , 2014, 16, 793-801.	2.6	26

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55	A Novel Positron Emission Tomography (PET) Approach to Monitor Cardiac Metabolic Pathway Remodeling in Response to Sunitinib Malate. <i>PLoS ONE</i> , 2017, 12, e0169964.	2.5	26
56	Synthesis and preclinical characterization of [64Cu]NODAGA-MAL-exendin-4 with a N μ -maleoyl-L-lysyl-glycine linkage. <i>Nuclear Medicine and Biology</i> , 2013, 40, 1006-1012.	0.6	23
57	[¹⁸ F]-Fluorodeoxyglucose Positron Emission Tomography and Computed Tomography in Response Evaluation of Oncolytic Adenovirus Treatments of Patients with Advanced Cancer. <i>Human Gene Therapy</i> , 2013, 24, 1029-1041.	2.7	23
58	Preclinical Evaluation of a Radioiodinated Fully Human Antibody for In Vivo Imaging of Vascular Adhesion Protein-1 α Positive Vasculature in Inflammation. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1315-1319.	5.0	22
59	Celiac Disease-Specific TG2-Targeted Autoantibodies Inhibit Angiogenesis Ex Vivo and In Vivo in Mice by Interfering with Endothelial Cell Dynamics. <i>PLoS ONE</i> , 2013, 8, e65887.	2.5	22
60	Using 5-deoxy-5-[18F]fluororibose to glycosylate peptides for positron emission tomography. <i>Nature Protocols</i> , 2014, 9, 138-145.	12.0	22
61	Imaging of α v β 3 integrin expression in experimental myocardial ischemia with [68Ga]NODAGA-RGD positron emission tomography. <i>Journal of Translational Medicine</i> , 2017, 15, 144.	4.4	22
62	68Ga-DOTA-Siglec-9 PET/CT imaging of peri-implant tissue responses and staphylococcal infections. <i>EJNMMI Research</i> , 2014, 4, 45.	2.5	21
63	Pharmacological Activation of the Melanocortin System Limits Plaque Inflammation and Ameliorates Vascular Dysfunction in Atherosclerotic Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1346-1354.	2.4	21
64	Evaluation of 68Ga-labeled tracers for PET imaging of myocardial perfusion in pigs. <i>Nuclear Medicine and Biology</i> , 2012, 39, 715-723.	0.6	20
65	Somatostatin receptor subtype 2 in high-grade gliomas: PET/CT with 68Ga-DOTA-peptides, correlation to prognostic markers, and implications for targeted radiotherapy. <i>EJNMMI Research</i> , 2015, 5, 25.	2.5	20
66	Absorption, distribution and excretion of intravenously injected 68Ge/68Ga generator eluate in healthy rats, and estimation of human radiation dosimetry. <i>EJNMMI Research</i> , 2015, 5, 117.	2.5	20
67	Cardiac remodeling in a new pig model of chronic heart failure: Assessment of left ventricular functional, metabolic, and structural changes using PET, CT, and echocardiography. <i>Journal of Nuclear Cardiology</i> , 2015, 22, 655-665.	2.1	19
68	Head-to-Head Comparison of 68Ga-Citrate and 18F-FDG PET/CT for Detection of Infectious Foci in Patients with Staphylococcus aureus Bacteraemia. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-8.	0.8	19
69	Assessment of myocardial viability with [15O]water PET: A validation study in experimental myocardial infarction. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1271-1280.	2.1	19
70	Whole-body distribution of 11C-choline and uptake in knee synovitis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 1372-1373.	6.4	18
71	Solid-Supported NOTA and DOTA Chelators Useful for the Synthesis of α -Radiometalated Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2012, 23, 1981-1988.	3.6	18
72	Effects of atorvastatin and diet interventions on atherosclerotic plaque inflammation and [18F]FDG uptake in Ldlr α /Apob mice. <i>Atherosclerosis</i> , 2017, 263, 369-376.	0.8	18

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73	Biodistribution and blood metabolism of 1- ¹¹ C-methyl-4-piperidinyl n-butyrate in humans: an imaging agent for in vivo assessment of butyrylcholinesterase activity with PET. <i>Journal of Nuclear Medicine</i> , 2004, 45, 2032-9.	5.0	18
74	Preliminary evaluation of novel ⁶⁸ Ga-DOTAVAP-PEG-P2 peptide targeting vascular adhesion protein-1. <i>Clinical Physiology and Functional Imaging</i> , 2010, 30, 75-78.	1.2	17
75	Synthesis of multi-galactose-conjugated 2'-O-methyl oligoribonucleotides and their in vivo imaging with positron emission tomography. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6806-6813.	3.0	16
76	¹¹ C-ORM-13070, a novel PET ligand for brain α 2C-adrenoceptors: radiometabolism, plasma pharmacokinetics, whole-body distribution and radiation dosimetry in healthy men. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 1947-1956.	6.4	16
77	Enabling [¹⁸ F]-bicyclo[6.1.0]nonyne for oligonucleotide conjugation for positron emission tomography applications: [¹⁸ F]-anti-microRNA-21 as an example. <i>Chemical Communications</i> , 2015, 51, 9821-9824.	4.1	16
78	Synthesis and In Vivo PET Imaging of Hyaluronan Conjugates of Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2016, 27, 391-403.	3.6	16
79	(2S, 4R)-4-[¹⁸ F]Fluoroglutamine for In vivo PET Imaging of Glioma Xenografts in Mice: an Evaluation of Multiple Pharmacokinetic Models. <i>Molecular Imaging and Biology</i> , 2020, 22, 969-978.	2.6	16
80	Feasibility of (⁶⁸ Ga)-labeled Siglec-9 peptide for the imaging of acute lung inflammation: a pilot study in a porcine model of acute respiratory distress syndrome. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 6, 18-31.	1.0	16
81	⁶⁸ Ga-Chloride PET Reveals Human Pancreatic Adenocarcinoma Xenografts in Rats – Comparison with FDG. <i>Molecular Imaging and Biology</i> , 2010, 12, 259-268.	2.6	14
82	Seasonal Variation in the Brain μ 4-Opioid Receptor Availability. <i>Journal of Neuroscience</i> , 2021, 41, 1265-1273.	3.6	14
83	Morbid obesity and type 2 diabetes alter intestinal fatty acid uptake and blood flow. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1384-1390.	4.4	13
84	Evaluation of [⁶⁸ Ga]Ga-DOTA-TCTP-1 for the Detection of Metalloproteinase 2/9 Expression in Mouse Atherosclerotic Plaques. <i>Molecules</i> , 2018, 23, 3168.	3.8	13
85	¹⁸ F-FDG positron emission tomography/computed tomography of cardiac implantable electronic device infections. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2992-3003.	2.1	13
86	First-in-Humans Study of ⁶⁸ Ga-DOTA-Siglec-9, a PET Ligand Targeting Vascular Adhesion Protein 1. <i>Journal of Nuclear Medicine</i> , 2021, 62, 577-583.	5.0	13
87	¹¹ C-Methyl-4-Piperidinyl-N-Butyrate Radiation Dosimetry in Humans by Dynamic Organ-Specific Evaluation. <i>Journal of Nuclear Medicine</i> , 2008, 49, 347-353.	5.0	12
88	Exploring the radiosynthesis and in vitro characteristics of [⁶⁸ Ga]Ga-DOTA-Siglec-9. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 439-449.	1.0	12
89	Accuracy of echocardiographic area-length method in chronic myocardial infarction: comparison with cardiac CT in pigs. <i>Cardiovascular Ultrasound</i> , 2017, 15, 1.	1.6	12
90	Vascular adhesion protein-1 is actively involved in the development of inflammatory lesions in rat models of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2018, 15, 128.	7.2	12

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91	A Comparative ⁶⁸ Ga-Citrate and ⁶⁸ Ga-Chloride PET/CT Imaging of <i>Staphylococcus aureus</i> Osteomyelitis in the Rat Tibia. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-10.	0.8	12
92	Glucagon-like peptide-1 receptor expression after myocardial infarction: Imaging study using ⁶⁸ Ga-NODAGA-exendin-4 positron emission tomography. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 2386-2397.	2.1	12
93	Hydroxysteroid (17 β) dehydrogenase 12 is essential for metabolic homeostasis in adult mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E494-E508.	3.5	12
94	Evaluation of image quality with four positron emitters and three preclinical PET/CT systems. <i>EJNMMI Research</i> , 2020, 10, 155.	2.5	12
95	¹⁸ F-Labeling of Mannan for Inflammation Research with Positron Emission Tomography. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 826-830.	2.8	11
96	Targeting of vascular adhesion protein-1 by positron emission tomography visualizes sites of inflammation in <i>Borrelia burgdorferi</i> -infected mice. <i>Arthritis Research and Therapy</i> , 2017, 19, 254.	3.5	11
97	⁶⁸ Ga-DOTA-E[c(RGDfK)] ₂ PET Imaging of SHARPIN-Regulated Integrin Activity in Mice. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1380-1387.	5.0	11
98	Influence of triple disease modifying anti-rheumatic drug therapy on carotid artery inflammation in drug-naive patients with recent onset of rheumatoid arthritis. <i>Rheumatology</i> , 2016, 55, 1777-1785.	1.9	10
99	Folate receptor-targeted positron emission tomography of experimental autoimmune encephalomyelitis in rats. <i>Journal of Neuroinflammation</i> , 2019, 16, 252.	7.2	10
100	⁶⁸ Ga-DOTA chelate, a novel imaging agent for assessment of myocardial perfusion and infarction detection in a rodent model. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 891-898.	2.1	10
101	Radiosynthesis and preclinical evaluation of [⁶⁸ Ga]Ga-NOTA-folate for PET imaging of folate receptor β -positive macrophages. <i>Scientific Reports</i> , 2020, 10, 13593.	3.3	10
102	The circadian gene Cryptochrome 2 influences stress-induced brain activity and depressive-like behavior in mice. <i>Genes, Brain and Behavior</i> , 2021, 20, e12708.	2.2	10
103	Human Dosimetry of Carbon-11 Labeled N-butan-2-yl-1-(2-chlorophenyl)-N-methylisoquinoline-3-carboxamide Extrapolated from Whole-body Distribution Kinetics and Radiometabolism in Rats. <i>Molecular Imaging and Biology</i> , 2010, 12, 435-442.	2.6	9
104	Cross-validation of Input Functions Obtained by H ₂ ¹⁵ O PET Imaging of Rat Heart and a Blood Flow-through Detector. <i>Molecular Imaging and Biology</i> , 2012, 14, 509-516.	2.6	9
105	Evaluation of ⁶⁸ Ga-labeled peptide tracer for detection of gelatinase expression after myocardial infarction in rat. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1114-1123.	2.1	9
106	Amyloid-Targeting PET Tracer [¹⁸ F]Flutemetamol Accumulates in Atherosclerotic Plaques. <i>Molecules</i> , 2019, 24, 1072.	3.8	9
107	Kinetic Modelling of [⁶⁸ Ga]Ga-DOTA-Siglec-9 in Porcine Osteomyelitis and Soft Tissue Infections. <i>Molecules</i> , 2019, 24, 4094.	3.8	9
108	Therapeutic Antibody Against Phosphorylcholine Preserves Coronary Function and Attenuates Vascular ¹⁸ F-FDG Uptake in Atherosclerotic Mice. <i>JACC Basic To Translational Science</i> , 2020, 5, 360-373.	4.1	9

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109	Controlled Monofunctionalization of Molecular Spherical Nucleic Acids on a Buckminster Fullerene Core. <i>Bioconjugate Chemistry</i> , 2021, 32, 1130-1138.	3.6	9
110	Assessment of blood flow with (68)Ga-DOTA PET in experimental inflammation: a validation study using (15)O-water. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 4, 571-9.	1.0	9
111	Pancreatic Glucose Uptake in Vivo in Men with Newly Diagnosed Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 1909-1914.	3.6	8
112	In Vivo Bone-Targeting of Bis(phosphonate)-Conjugated Double Helical RNA Monitored by Positron Emission Tomography. <i>Molecular Pharmaceutics</i> , 2016, 13, 2588-2595.	4.6	8
113	NEMA NU 4-2008 and <i>in vivo</i> imaging performance of RAYCAN trans-PET/CT X5 small animal imaging system. <i>Physics in Medicine and Biology</i> , 2019, 64, 115014.	3.0	8
114	Extraction of Input Function from Rat [18F]FDG PET Images. <i>Molecular Imaging and Biology</i> , 2011, 13, 1241-1249.	2.6	7
115	Effect of levosimendan therapy on myocardial infarct size and left ventricular function after acute coronary occlusion. <i>Heart</i> , 2016, 102, 465-471.	2.9	7
116	Comparison of 68Ga-DOTA-Siglec-9 and 18F-Fluorodeoxyribose-Siglec-9: Inflammation Imaging and Radiation Dosimetry. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-10.	0.8	7
117	⁶⁸ Ga-PET/CT to detect adverse reactions to metal debris in patients with metal-on-metal hip arthroplasty: an exploratory prospective study. <i>Clinical Physiology and Functional Imaging</i> , 2018, 38, 847-855.	1.2	7
118	Exploring Alternative Radiolabeling Strategies for Sialic Acid-Binding Immunoglobulin-Like Lectin 9 Peptide: [68Ga]Ga- and [18F]AlF-NOTA-Siglec-9. <i>Molecules</i> , 2018, 23, 305.	3.8	7
119	The Clinical Impact of Using ¹⁸ F-FDG-PET/CT in the Diagnosis of Suspected Vasculitis: The Effect of Dose and Timing of Glucocorticoid Treatment. <i>Contrast Media and Molecular Imaging</i> , 2019, 1-8.	0.8	7
120	Rapid spread of mannan to the immune system, skin and joints within 6 hours after local exposure. <i>Clinical and Experimental Immunology</i> , 2019, 196, 383-391.	2.6	7
121	Noninvasive and Quantitative Monitoring of the Distributions and Kinetics of MicroRNA-Targeting Molecules in Vivo by Positron Emission Tomography. <i>Molecular Pharmaceutics</i> , 2019, 16, 1507-1515.	4.6	6
122	Effects of dipeptidyl peptidase 4 inhibition on inflammation in atherosclerosis: A 18F-fluorodeoxyglucose study of a mouse model of atherosclerosis and type 2 diabetes. <i>Atherosclerosis</i> , 2020, 305, 64-72.	0.8	6
123	Efficacy and tolerability of folate-aminopterin therapy in a rat focal model of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2021, 18, 30.	7.2	6
124	Characterization of hepatic tumors using [11C]metomidate through positron emission tomography: comparison with [11C]acetate. <i>EJNMMI Research</i> , 2013, 3, 13.	2.5	5
125	Feasibility of experimental BT4C glioma models for somatostatin receptor 2-targeted therapies. <i>Acta Oncologica</i> , 2014, 53, 1125-1134.	1.8	5
126	[18F]FDG Accumulation in Early Coronary Atherosclerotic Lesions in Pigs. <i>PLoS ONE</i> , 2015, 10, e0131332.	2.5	5

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127	Adventures in radiosynthesis of clinical grade [⁶⁸ Ga]Ga-DOTA-Siglec-9. RSC Advances, 2018, 8, 8051-8056.	3.6	5
128	Evaluation of glucagon-like peptide-1 receptor expression in nondiabetic and diabetic atherosclerotic mice using PET tracer ⁶⁸ Ga-NODAGA-exendin-4. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E989-E998.	3.5	5
129	Role of Brown and Beige Adipose Tissues in Seasonal Adaptation in the Raccoon Dog (Nyctereutes Tj ETQq1 1 0.784314 rgBT ₄ /Overlo	4.1	
130	In vivo imaging of Lyme arthritis in mice by [¹⁸ F]fluorodeoxyglucose positron emission tomography/computed tomography. Scandinavian Journal of Rheumatology, 2018, 47, 37-47.	1.1	3
131	Determinants of Myocardial Strain in Experimental Chronic Myocardial Infarction. Ultrasound in Medicine and Biology, 2019, 45, 568-578.	1.5	3
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