

Merja Haaparanta-Solin

List of Publications by Year in descending order

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62
papers

2,507
citations

236925

25
h-index

197818

49
g-index

62
all docs

62
docs citations

62
times ranked

4221
citing authors

#	ARTICLE	IF	CITATIONS
1	Cognitive Impairment and the Brain Dopaminergic System in Parkinson Disease. Archives of Neurology, 2000, 57, 470.	4.5	321
2	Increased Brain Fatty Acid Uptake in Metabolic Syndrome. Diabetes, 2010, 59, 2171-2177.	0.6	165
3	High Levels of Dopamine Activity in the Basal Ganglia of Cigarette Smokers. American Journal of Psychiatry, 2000, 157, 632-634.	7.2	147
4	Striatal Dopamine Transporter Binding in Neuroleptic-Naive Patients With Schizophrenia Studied With Positron Emission Tomography. American Journal of Psychiatry, 2000, 157, 269-271.	7.2	146
5	Multifunctional Liposomes Reduce Brain β -Amyloid Burden and Ameliorate Memory Impairment in Alzheimer's Disease Mouse Models. Journal of Neuroscience, 2014, 34, 14022-14031.	3.6	141
6	Detection of Microglial Activation in an Acute Model of Neuroinflammation Using PET and Radiotracers ^{11}C -R 11 -PK11195 and ^{18}F -GE-180. Journal of Nuclear Medicine, 2014, 55, 466-472.	5.0	127
7	Quantification of [^{18}F]DPA-714 Binding in the Human Brain: Initial Studies in Healthy Controls and Alzheimer's Disease Patients. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 766-772.	4.3	99
8	Longitudinal Amyloid Imaging in Mouse Brain with ^{11}C -PIB: Comparison of APP23, Tg2576, and APP $^{\text{swe}}$ -PS1 $^{\text{dE9}}$ Mouse Models of Alzheimer Disease. Journal of Nuclear Medicine, 2013, 54, 1434-1441.	5.0	71
9	Prediction of Detached Personality in Healthy Subjects by Low Dopamine Transporter Binding. American Journal of Psychiatry, 2000, 157, 290-292.	7.2	66
10	Sex difference in brain CB1 receptor availability in man. NeuroImage, 2019, 184, 834-842.	4.2	65
11	Positron emission tomography imaging of the 18-kDa translocator protein (TSPO) with [^{18}F]FEMPA in Alzheimer's disease patients and control subjects. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 438-446.	6.4	64
12	Quantification of Liver Glucose Metabolism by Positron Emission Tomography: Validation Study in Pigs. Gastroenterology, 2007, 132, 531-542.	1.3	61
13	Monoacylglycerol lipase inhibitor JZL184 reduces neuroinflammatory response in APdE9 mice and in adult mouse glial cells. Journal of Neuroinflammation, 2015, 12, 81.	7.2	59
14	In Vivo PET Imaging Demonstrates Diminished Microglial Activation After Fingolimod Treatment in an Animal Model of Multiple Sclerosis. Journal of Nuclear Medicine, 2015, 56, 305-310.	5.0	57
15	Assessment of Islet Specificity of Dihydratetrabenazine Radiotracer Binding in Rat Pancreas and Human Pancreas. Journal of Nuclear Medicine, 2010, 51, 1439-1446.	5.0	54
16	Brain energy metabolism and neuroinflammation in ageing APP/PS1-21 mice using longitudinal ^{18}F -FDG and ^{18}F -DPA-714 PET imaging. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2870-2882.	4.3	53
17	Pharmacokinetics of [^{18}F]flutemetamol in wild-type rodents and its binding to beta amyloid deposits in a mouse model of Alzheimer's disease. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1784-1795.	6.4	52
18	In Vivo Availability of Cannabinoid 1 Receptor Levels in Patients With First-Episode Psychosis. JAMA Psychiatry, 2019, 76, 1074.	11.0	50

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19	Extracellular Superoxide Dismutase Is a Growth Regulatory Mediator of Tissue Injury Recovery. <i>Molecular Therapy</i> , 2009, 17, 448-454.	8.2	42
20	Oxime formation for fluorine-18 labeling of peptides and proteins for positron emission tomography (PET) imaging: A review. <i>Journal of Fluorine Chemistry</i> , 2012, 143, 49-56.	1.7	40
21	Neuroinflammation Appears Early on PET Imaging and Then Plateaus in a Mouse Model of Alzheimer Disease. <i>Journal of Nuclear Medicine</i> , 2018, 59, 509-515.	5.0	40
22	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
23	Synthesis and evaluation of a ^{18}F -curcumin derivate for β -amyloid plaque imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2753-2762.	3.0	32
24	Cannabinoid Type 1 Receptors Are Upregulated During Acute Activation of Brown Adipose Tissue. <i>Diabetes</i> , 2018, 67, 1226-1236.	0.6	32
25	Radiosynthesis and Preclinical Evaluation of [^{18}F]F-DPA, A Novel Pyrazolo[1,5a]pyrimidine Acetamide TSPO Radioligand, in Healthy Sprague Dawley Rats. <i>Molecular Imaging and Biology</i> , 2017, 19, 736-745.	2.6	31
26	[^{18}F]F-DPA for the detection of activated microglia in a mouse model of Alzheimer's disease. <i>Nuclear Medicine and Biology</i> , 2018, 67, 1-9.	0.6	27
27	The Cannabinoid Receptor-1 Is an Imaging Biomarker of Brown Adipose Tissue. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1937-1941.	5.0	24
28	Intravenous transplantation of olfactory ensheathing cells reduces neuroinflammation after spinal cord injury via interleukin-1 receptor antagonist. <i>Theranostics</i> , 2021, 11, 1147-1161.	10.0	24
29	Parametric Binding Images of the TSPO Ligand ^{18}F -DPA-714. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1543-1547.	5.0	23
30	[^{18}F]FMPEP-d2 PET imaging shows age- and genotype-dependent impairments in the availability of cannabinoid receptor 1 in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 69, 199-208.	3.1	23
31	In vivo PET imaging of beta-amyloid deposition in mouse models of Alzheimer's disease with a high specific activity PET imaging agent [^{18}F]flutemetamol. <i>EJNMMI Research</i> , 2014, 4, 37.	2.5	22
32	A PET Tracer for Brain β -Adrenoceptors, ^{11}C -ORM-13070: Radiosynthesis and Preclinical Evaluation in Rats and Knockout Mice. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1171-1177.	5.0	21
33	Ex Vivo Tracing of NMDA and GABA-A Receptors in Rat Brain After Traumatic Brain Injury Using ^{18}F -GE-179 and ^{18}F -GE-194 Autoradiography. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1442-1447.	5.0	18
34	HPLC and TLC methods for analysis of [^{18}F]FDG and its metabolites from biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1048, 140-149.	2.3	18
35	Relationship between local perfusion and FFA uptake in human skeletal muscle—no effect of increased physical activity and aerobic fitness. <i>Journal of Applied Physiology</i> , 2006, 101, 1303-1311.	2.5	17
36	Enhanced fatty acid uptake in visceral adipose tissue is not reversed by weight loss in obese individuals with the metabolic syndrome. <i>Diabetologia</i> , 2015, 58, 158-164.	6.3	17

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37	Applicability of [¹¹ C]PIB micro-PET imaging for in vivo follow-up of anti-amyloid treatment effects in APP23 mouse model. <i>Neurobiology of Aging</i> , 2017, 57, 84-94.	3.1	17
38	Two weeks of moderate-intensity continuous training, but not high-intensity interval training, increases insulin-stimulated intestinal glucose uptake. <i>Journal of Applied Physiology</i> , 2017, 122, 1188-1197.	2.5	17
39	Comparison of high and low molar activity TSPO tracer [¹⁸ F]F-DPA in a mouse model of Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1012-1020.	4.3	16
40	Comparative Evaluation of Anti-HER2 Affibody Molecules Labeled with ⁶⁴ Cu Using NOTA and NODAGA. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-12.	0.8	14
41	S-[¹⁸ F]THK-5117-PET and [¹¹ C]PIB-PET Imaging in Idiopathic Normal Pressure Hydrocephalus in Relation to Confirmed Amyloid- β Plaques and Tau in Brain Biopsies. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 171-179.	2.6	14
42	FDG-PET IN HEALTHY AND EPILEPTIC LAGOTTO ROMAGNOLO DOGS AND CHANGES IN BRAIN GLUCOSE UPTAKE WITH AGE. <i>Veterinary Radiology and Ultrasound</i> , 2014, 55, 331-341.	0.9	13
43	Amphetamine Decreases β -Adrenoceptor Binding of [¹¹ C]ORM-13070: A PET Study in the Primate Brain. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyu081-pyu081.	2.1	13
44	Molecular design of radiocopper-labelled Affibody molecules. <i>Scientific Reports</i> , 2018, 8, 6542.	3.3	13
45	Effects of short-term sprint interval and moderate-intensity continuous training on liver fat content, lipoprotein profile, and substrate uptake: a randomized trial. <i>Journal of Applied Physiology</i> , 2019, 126, 1756-1768.	2.5	11
46	Direct Comparison of [¹⁸ F]F-DPA with [¹⁸ F]DPA-714 and [¹¹ C]PBR28 for Neuroinflammation Imaging in the same Alzheimer's Disease Model Mice and Healthy Controls. <i>Molecular Imaging and Biology</i> , 2022, 24, 157-166.	2.6	11
47	<i>In vivo</i> characterization of a novel norepinephrine transporter PET tracer [¹⁸ F]NS12137 in adult and immature Sprague-Dawley rats. <i>Theranostics</i> , 2019, 9, 11-19.	10.0	10
48	Enzyme inhibition of dopamine metabolism alters 6-[¹⁸ F]FDOPA uptake in orthotopic pancreatic adenocarcinoma. <i>EJNMMI Research</i> , 2013, 3, 18.	2.5	9
49	The Anti-Inflammatory Effects of Lipoxygenase and Cyclo-Oxygenase Inhibitors in Inflammation-Induced Human Fetal Glia Cells and the $A\beta$ Degradation Capacity of Human Fetal Astrocytes in an Ex vivo Assay. <i>Frontiers in Neuroscience</i> , 2017, 11, 299.	2.8	9
50	Effect of genotype and age on cerebral [¹⁸ F]FDG uptake varies between transgenic APPSwe-PS1dE9 and Tg2576 mouse models of Alzheimer's disease. <i>Scientific Reports</i> , 2019, 9, 5700.	3.3	8
51	¹⁸ F-labeled norepinephrine transporter tracer [¹⁸ F]NS12137: radiosynthesis and preclinical evaluation. <i>Nuclear Medicine and Biology</i> , 2018, 56, 39-46.	0.6	7
52	Ruthenium-Mediated ¹⁸ F-Fluorination and Preclinical Evaluation of a New CB ₁ Receptor Imaging Agent [¹⁸ F]FPATPP. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2009-2018.	3.5	7
53	(S)-[¹⁸ F]THK5117 brain uptake is associated with $A\beta$ plaques and MAO-B enzyme in a mouse model of Alzheimer's disease. <i>Neuropharmacology</i> , 2021, 196, 108676.	4.1	7
54	Dimethyl fumarate decreases short-term but not long-term inflammation in a focal EAE model of neuroinflammation. <i>EJNMMI Research</i> , 2022, 12, 6.	2.5	7

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55	18 F-labeling syntheses and preclinical evaluation of functionalized nanoliposomes for Alzheimer's disease. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 88, 257-266.	4.0	6
56	Cessation of anti-VLA-4 therapy in a focal rat model of multiple sclerosis causes an increase in neuroinflammation. <i>EJNMMI Research</i> , 2019, 9, 38.	2.5	4
57	Radiosynthesis and Preclinical Evaluation of an α -2A-Adrenoceptor Tracer Candidate, 6-[18F]Fluoro-marsanidine. <i>Molecular Imaging and Biology</i> , 2019, 21, 879-887.	2.6	4
58	Changes in electrocardiogram parameters during acute nonshivering cold exposure and associations with brown adipose tissue activity, plasma catecholamine levels, and brachial blood pressure in healthy adults. <i>Physiological Reports</i> , 2021, 9, e14718.	1.7	3
59	6-[18F]Fluoro-L-DOPA Uptake in the Rat Pancreas is Dependent on the Tracer Metabolism. <i>Molecular Imaging and Biology</i> , 2014, 16, 403-411.	2.6	2
60	Increased striatal VMAT2 binding in mice after chronic administration of methcathinone and manganese. <i>Brain Research</i> , 2016, 1652, 97-102.	2.2	2
61	[18F]SPA-RQ/PET Study of NK1 receptors in the Whole Body of Guinea Pig and Rat. <i>Scientific Reports</i> , 2019, 9, 20412.	3.3	1
62	Long-Term Monoacylglycerol Lipase Inhibitor Treatment Decelerates Pathological Changes in APP/PS1-21 Mice, but Behavioral Improvements Require Early-Stage Treatment Onset. <i>Short Report. World Journal of Neuroscience</i> , 2018, 08, 157-170.	0.1	0