

# Alan Miranda

## List of Publications by Year in descending order

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26  
papers

253  
citations

1040056

9  
h-index

1058476

14  
g-index

28  
all docs

28  
docs citations

28  
times ranked

203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synaptic Vesicle Glycoprotein 2A Is Affected in the Central Nervous System of Mice with Huntington Disease and in the Brain of a Human with Huntington Disease Postmortem. <i>Journal of Nuclear Medicine</i> , 2022, 63, 942-947.	5.0	18
2	Longitudinal preclinical evaluation of the novel radioligand [ <sup>11</sup> C]CHDI-626 for PET imaging of mutant huntingtin aggregates in Huntington's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1166-1175.	6.4	8
3	Quantification of Metabotropic Glutamate Receptor 5 Availability With Both [ <sup>11</sup> C]ABP688 and [ <sup>18</sup> F]FPEB Positron Emission Tomography in the Sapap3 Knockout Mouse Model for Obsessive-Compulsive-like Behavior. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 607-615.	1.5	1
4	Development of a ligand for in vivo imaging of mutant huntingtin in Huntington's disease. <i>Science Translational Medicine</i> , 2022, 14, eabm3682.	12.4	18
5	Spatiotemporal Kernel Reconstruction for Linear Parametric Neurotransmitter PET Kinetic Modeling in Motion Correction Brain PET of Awake Rats. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	0
6	Validation, kinetic modeling, and test-retest reproducibility of [ <sup>18</sup> F]SynVesT-1 for PET imaging of synaptic vesicle glycoprotein 2A in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1867-1878.	4.3	8
7	Kinetic Modelling and Test-Retest Reproducibility for the Dopamine D1R Radioligand [ <sup>11</sup> C]SCH23390 in Healthy and Diseased Mice. <i>Molecular Imaging and Biology</i> , 2021, 23, 208-219.	2.6	5
8	Low activity [ <sup>11</sup> C]raclopride kinetic modeling in the mouse brain using the spatiotemporal kernel method. <i>Physics in Medicine and Biology</i> , 2021, 66, 115005.	3.0	2
9	Estimation of the net influx rate Ki and the cerebral metabolic rate of glucose MRglc using a single static [ <sup>18</sup> F]FDG PET scan in rats. <i>NeuroImage</i> , 2021, 233, 117961.	4.2	2
10	Translation of Preclinical PET Imaging Findings: Challenges and Motion Correction to Overcome the Confounding Effect of Anesthetics. <i>Frontiers in Medicine</i> , 2021, 8, 753977.	2.6	11
11	Validation and noninvasive kinetic modeling of [ <sup>11</sup> C]UCB-J PET imaging in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1351-1362.	4.3	32
12	Elevated Type 1 Metabotropic Glutamate Receptor Availability in a Mouse Model of Huntington's Disease: a Longitudinal PET Study. <i>Molecular Neurobiology</i> , 2020, 57, 2038-2047.	4.0	8
13	In vitro and In vivo Assessment of Suitable Reference Region and Kinetic Modelling for the mGluR1 Radioligand [ <sup>11</sup> C]ITDM in Mice. <i>Molecular Imaging and Biology</i> , 2020, 22, 854-863.	2.6	15
14	Validation of a spatially variant resolution model for small animal brain PET studies. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 045001.	1.2	15
15	Progression of obsessive compulsive disorder-like grooming in Sapap3 knockout mice: A longitudinal [ <sup>11</sup> C]ABP688 PET study. <i>Neuropharmacology</i> , 2020, 177, 108160.	4.1	8
16	Motion Dependent and Spatially Variant Resolution Modeling for PET Rigid Motion Correction. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2518-2530.	8.9	8
17	Sapap3 deletion causes dynamic synaptic density abnormalities: a longitudinal [ <sup>11</sup> C]UCB-J PET study in a model of obsessive-compulsive disorder-like behaviour. <i>EJNMMI Research</i> , 2020, 10, 140.	2.5	12
18	PET imaging of freely moving interacting rats. <i>NeuroImage</i> , 2019, 191, 560-567.	4.2	19

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19	Spatially variant point spread function for PET rigid motion correction. , 2019, , .		1
20	Image Quality assessment for Awake Animal Brain PET. , 2019, , .		0
21	Awake <sup>18</sup> F-FDG PET Imaging of Memantine-Induced Brain Activation and Testâ€Retest in Freely Running Mice. Journal of Nuclear Medicine, 2019, 60, 844-850.	5.0	23
22	Estimation of and correction for finite motion sampling errors in small animal PET rigid motion correction. Medical and Biological Engineering and Computing, 2019, 57, 505-518.	2.8	5
23	Fast and Accurate Rat Head Motion Tracking With Point Sources for Awake Brain PET. IEEE Transactions on Medical Imaging, 2017, 36, 1573-1582.	8.9	20
24	Markerless rat head motion tracking using structured light for brain PET imaging of unrestrained awake small animals. Physics in Medicine and Biology, 2017, 62, 1744-1758.	3.0	11
25	Free running mouse brain PET imaging using point source motion tracking. , 2017, , .		0
26	Fast motion tracking of radioactive markers for motion correction of awake and unrestrained rat brain PET. , 2015, , .		1