

Luca Presotto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

843
citations

15
h-index

28
g-index

55
ext. papers

1,124
ext. citations

4.7
avg, IF

3.98
L-index

#	Paper	IF	Citations
46	Physical performance of the new hybrid PET/CT Discovery-690. <i>Medical Physics</i> , 2011 , 38, 5394-411	4.4	267
45	FDG-PET and CSF biomarker accuracy in prediction of conversion to different dementias in a large multicentre MCI cohort. <i>NeuroImage: Clinical</i> , 2018 , 18, 167-177	5.3	65
44	Gender differences in healthy aging and Alzheimer's Dementia: A F-FDG-PET study of brain and cognitive reserve. <i>Human Brain Mapping</i> , 2017 , 38, 4212-4227	5.9	55
43	Axonal damage and loss of connectivity in nigrostriatal and mesolimbic dopamine pathways in early Parkinson's disease. <i>NeuroImage: Clinical</i> , 2017 , 14, 734-740	5.3	54
42	Altered brain metabolic connectivity at multiscale level in early Parkinson's disease. <i>Scientific Reports</i> , 2017 , 7, 4256	4.9	40
41	Metabolic connectomics targeting brain pathology in dementia with Lewy bodies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 1311-1325	7.3	39
40	Single-subject SPM FDG-PET patterns predict risk of dementia progression in Parkinson disease. <i>Neurology</i> , 2018 , 90, e1029-e1037	6.5	36
39	Validation of F-FDG-PET Single-Subject Optimized SPM Procedure with Different PET Scanners. <i>Neuroinformatics</i> , 2017 , 15, 151-163	3.2	25
38	The combined effects of microglia activation and brain glucose hypometabolism in early-onset Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 50	9	23
37	Evaluation of image reconstruction algorithms encompassing Time-Of-Flight and Point Spread Function modelling for quantitative cardiac PET: phantom studies. <i>Journal of Nuclear Cardiology</i> , 2015 , 22, 351-63	2.1	22
36	PET textural features stability and pattern discrimination power for radiomics analysis: An "ad-hoc" phantoms study. <i>Physica Medica</i> , 2018 , 50, 66-74	2.7	20
35	Cerebral collateral therapeutics in acute ischemic stroke: A randomized preclinical trial of four modulation strategies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 3344-3354	7.3	19
34	An In Vivo C-(R)-PK11195 PET and In Vitro Pathology Study of Microglia Activation in Creutzfeldt-Jakob Disease. <i>Molecular Neurobiology</i> , 2018 , 55, 2856-2868	6.2	19
33	A biomarker study in long-lasting amnesic mild cognitive impairment. <i>Alzheimer's Research and Therapy</i> , 2018 , 10, 42	9	19
32	Cerebral collateral flow defines topography and evolution of molecular penumbra in experimental ischemic stroke. <i>Neurobiology of Disease</i> , 2015 , 74, 305-13	7.5	17
31	Motion-Tracking Hardware and Advanced Applications in PET and PET/CT. <i>PET Clinics</i> , 2013 , 8, 11-28	2.2	13
30	Dual tracer 68Ga-DOTATOC and 18F-FDG PET/computed tomography radiomics in pancreatic neuroendocrine neoplasms: an endearing tool for preoperative risk assessment. <i>Nuclear Medicine Communications</i> , 2020 , 41, 896-905	1.6	11

29	[18F]FDG and [18F]FLT PET for the evaluation of response to neo-adjuvant chemotherapy in a model of triple negative breast cancer. <i>PLoS ONE</i> , 2018 , 13, e0197754	3.7	11
28	In vivo MRI Structural and PET Metabolic Connectivity Study of Dopamine Pathways in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020 , 75, 1003-1016	4.3	9
27	C-PK11195 PET-based molecular study of microglia activation in SOD1 amyotrophic lateral sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 1513-1523	5.3	9
26	An in vivo C-PK PET study of microglia activation in Fatal Familial Insomnia. <i>Annals of Clinical and Translational Neurology</i> , 2018 , 5, 11-18	5.3	8
25	Low-dose CT for the spatial normalization of PET images: A validation procedure for amyloid-PET semi-quantification. <i>NeuroImage: Clinical</i> , 2018 , 20, 153-160	5.3	8
24	Simultaneous reconstruction of attenuation and activity in cardiac PET can remove CT misalignment artifacts. <i>Journal of Nuclear Cardiology</i> , 2016 , 23, 1086-1097	2.1	7
23	Optimized Bayes variational regularization prior for 3D PET images. <i>Computerized Medical Imaging and Graphics</i> , 2014 , 38, 445-57	7.6	6
22	Validation of FDG-PET datasets of normal controls for the extraction of SPM-based brain metabolism maps. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 2486-2499	8.8	6
21	Neural correlates of naming errors across different neurodegenerative diseases: An FDG-PET study. <i>Neurology</i> , 2020 , 95, e2816-e2830	6.5	5
20	Carotid artery plaque uptake of C-PK11195 inversely correlates with circulating monocytes and classical CD14CD16 monocytes expressing HLA-DR. <i>IJC Heart and Vasculature</i> , 2018 , 21, 32-35	2.4	5
19	Brain Metabolism and Microglia Activation in Mild Cognitive Impairment: A Combined [18F]FDG and [11C]-(R)-PK11195 PET Study. <i>Journal of Alzheimer's Disease</i> , 2021 , 80, 433-445	4.3	4
18	An automated clustering algorithm for reference region extraction of brain 11C-PK11195 studies 2015 ,		3
17	A compact dynamic phantom to assess the effect of motion in cardiac PET and SPECT studies 2012 ,		3
16	Biomarker-based stability in limbic-predominant amnesic mild cognitive impairment. <i>European Journal of Neurology</i> , 2021 , 28, 1123-1133	6	3
15	Adaptive threshold method based on PET measured lesion-to-background ratio for the estimation of Metabolic Target Volume from 18F-FDG PET images 2013 ,		2
14	Evaluation of time of flight (TOF) and point spread function (PSF) reconstructions in the quantification of myocardial blood flow with 13N ammonia and PET: Comparison among reconstructions (reprojection, OSEM), software (PMOD and CARIMAS) and operators 2012 ,		2
13	Preliminary Results of an Ongoing Prospective Clinical Trial on the Use of Ga-PSMA and Ga-DOTA-RM2 PET/MRI in Staging of High-Risk Prostate Cancer Patients. <i>Diagnostics</i> , 2021 , 11,	3.8	2
12	Performances of Principal Component Analysis for the extraction of respiratory signal from Time-of-Flight PET coincidences stream 2014 ,		1

11	Comment on Marciano et. al.: Effects of type 2 diabetes mellitus on coronary microvascular function and myocardial perfusion in patients without obstructive coronary artery disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 40, 141	8.8	1
10	Alternating strategies and ordered subset acceleration schemes for maximum likelihood activity and attenuation reconstruction in time-of-flight PET 2015 ,		1
9	Evaluation of a 2D UNet-Based Attenuation Correction Methodology for PET/MR Brain Studies.. <i>Journal of Digital Imaging</i> , 2022 , 1	5.3	1
8	In vivo human molecular neuroimaging of dopaminergic vulnerability along the Alzheimer's disease phases. <i>Alzheimer's Research and Therapy</i> , 2021 , 13, 187	9	1
7	3D Spatial resolution proprieties of Molecubes ECube: characterization with different isotopes 2019 ,		1
6	Biomarker-based definition of limbic-predominant long-lasting amnesic mild cognitive impairment. <i>Alzheimer's and Dementia</i> , 2020 , 16, e037879	1.2	
5	Extrastriatal dopaminergic and serotonergic pathways in Alzheimer's disease: A 123I-FP-CIT study. <i>Alzheimer's and Dementia</i> , 2020 , 16, e041317	1.2	
4	Imaging dopamine system transporter activity and connectivity in Alzheimer's dementia. <i>Alzheimer's and Dementia</i> , 2020 , 16, e043304	1.2	
3	[P2868]: CONCORDANCE IN SPATIAL EXTENT AND AMOUNT OF BRAIN MICROGLIA ACTIVATION WITH GLUCOSE HYPOMETABOLISM IN EARLY ONSET ALZHEIMER'S DISEASE 2017 , 13, P766-P766		
2	A L1 Minimization Strategy for Robust Joint Activity and Attenuation Estimation in Positron Emission Tomography. <i>Fundamenta Informaticae</i> , 2020 , 172, 187-202		1
1	A Simple Contrast Matching Rule for OSEM Reconstructed PET Images with Different Time of Flight Resolution. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7548	2.6	