Luca Presotto

List of Publications by Year in Descending Order

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	Evaluation of a 2D UNet-Based Attenuation Correction Methodology for PET/MR Brain Studies.. *Journal of Digital Imaging*, **2022**, 1	5.3	1
45	In vivo human molecular neuroimaging of dopaminergic vulnerability along the Alzheimer's disease phases. *Alzheimer's Research and Therapy*, **2021**, 13, 187	9	1
44	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. *Diagnostics*, **2021**, 11,	3.8	2
43	Brain Metabolism and Microglia Activation in Mild Cognitive Impairment: A Combined [18F]FDG and [11C]-(R)-PK11195 PET Study. *Journal of Alzheimer's Disease*, **2021**, 80, 433-445	4.3	4
42	Biomarker-based stability in limbic-predominant amnestic mild cognitive impairment. *European Journal of Neurology*, **2021**, 28, 1123-1133	6	3
41	Validation of FDG-PET datasets of normal controls for the extraction of SPM-based brain metabolism maps. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 48, 2486-2499	8.8	6
40	A Simple Contrast Matching Rule for OSEM Reconstructed PET Images with Different Time of Flight Resolution. *Applied Sciences (Switzerland)*, **2021**, 11, 7548	2.6	
39	Biomarker-based definition of limbic-predominant long-lasting amnestic mild cognitive impairment. *Alzheimer's and Dementia*, **2020**, 16, e037879	1.2	
38	Extrastriatal dopaminergic and serotonergic pathways in Alzheimer's disease: A 123I-FP-CIT study. *Alzheimer's and Dementia*, **2020**, 16, e041317	1.2	
37	Imaging dopamine system transporter activity and connectivity in Alzheimer's dementia. *Alzheimer's and Dementia*, **2020**, 16, e043304	1.2	
36	The combined effects of microglia activation and brain glucose hypometabolism in early-onset Alzheimer's disease. *Alzheimer's Research and Therapy*, **2020**, 12, 50	9	23
35	In vivo MRI Structural and PET Metabolic Connectivity Study of Dopamine Pathways in Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2020**, 75, 1003-1016	4.3	9
34	Neural correlates of naming errors across different neurodegenerative diseases: An FDG-PET study. *Neurology*, **2020**, 95, e2816-e2830	6.5	5
33	A L1 Minimization Strategy for Robust Joint Activity and Attenuation Estimation in Positron Emission Tomography. *Fundamenta Informaticae*, **2020**, 172, 187-202	1	
32	Dual tracer 68Ga-DOTATOC and 18F-FDG PET/computed tomography radiomics in pancreatic neuroendocrine neoplasms: an endearing tool for preoperative risk assessment. *Nuclear Medicine Communications*, **2020**, 41, 896-905	1.6	11
31	C-PK11195 PET-based molecular study of microglia activation in SOD1 amyotrophic lateral sclerosis. *Annals of Clinical and Translational Neurology*, **2020**, 7, 1513-1523	5.3	9
30	3D Spatial resolution proprieties of Molecubes βCube: characterization with different isotopes **2019**,		1

29	Single-subject SPM FDG-PET patterns predict risk of dementia progression in Parkinson disease. *Neurology*, **2018**, 90, e1029-e1037	6.5	36
28	FDG-PET and CSF biomarker accuracy in prediction of conversion to different dementias in a large multicentre MCI cohort. *NeuroImage: Clinical*, **2018**, 18, 167-177	5.3	65
27	An in vivo C-PK PET study of microglia activation in Fatal Familial Insomnia. *Annals of Clinical and Translational Neurology*, **2018**, 5, 11-18	5.3	8
26	An In Vivo C-(R)-PK11195 PET and In Vitro Pathology Study of Microglia Activation in Creutzfeldt-Jakob Disease. *Molecular Neurobiology*, **2018**, 55, 2856-2868	6.2	19
25	A biomarker study in long-lasting amnestic mild cognitive impairment. *Alzheimer's Research and Therapy*, **2018**, 10, 42	9	19
24	Low-dose CT for the spatial normalization of PET images: A validation procedure for amyloid-PET semi-quantification. *NeuroImage: Clinical*, **2018**, 20, 153-160	5.3	8
23	PET textural features stability and pattern discrimination power for radiomics analysis: An "ad-hoc" phantoms study. *Physica Medica*, **2018**, 50, 66-74	2.7	20
22	Carotid artery plaque uptake of C-PK11195 inversely correlates with circulating monocytes and classical CD14CD16 monocytes expressing HLA-DR. *IJC Heart and Vasculature*, **2018**, 21, 32-35	2.4	5
21	[18F]FDG and [18F]FLT PET for the evaluation of response to neo-adjuvant chemotherapy in a model of triple negative breast cancer. *PLoS ONE*, **2018**, 13, e0197754	3.7	11
20	Metabolic connectomics targeting brain pathology in dementia with Lewy bodies. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 1311-1325	7.3	39
19	Validation of F-FDG-PET Single-Subject Optimized SPM Procedure with Different PET Scanners. *Neuroinformatics*, **2017**, 15, 151-163	3.2	25
18	Cerebral collateral therapeutics in acute ischemic stroke: A randomized preclinical trial of four modulation strategies. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 3344-3354	7.3	19
17	Gender differences in healthy aging and Alzheimer's Dementia: A F-FDG-PET study of brain and cognitive reserve. *Human Brain Mapping*, **2017**, 38, 4212-4227	5.9	55
16	Axonal damage and loss of connectivity in nigrostriatal and mesolimbic dopamine pathways in early Parkinson's disease. *NeuroImage: Clinical*, **2017**, 14, 734-740	5.3	54
15	Altered brain metabolic connectivity at multiscale level in early Parkinson's disease. *Scientific Reports*, **2017**, 7, 4256	4.9	40
14	[P2 68]: CONCORDANCE IN SPATIAL EXTENT AND AMOUNT OF BRAIN MICROGLIA ACTIVATION WITH GLUCOSE HYPOMETABOLISM IN EARLY ONSET ALZHEIMER's DISEASE **2017**, 13, P766-P766		
13	Simultaneous reconstruction of attenuation and activity in cardiac PET can remove CT misalignment artifacts. *Journal of Nuclear Cardiology*, **2016**, 23, 1086-1097	2.1	7
12	Cerebral collateral flow defines topography and evolution of molecular penumbra in experimental ischemic stroke. *Neurobiology of Disease*, **2015**, 74, 305-13	7.5	17

11	An automated clustering algorithm for reference region extraction of brain 11C-PK11195 studies **2015**,		3
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 image reconstruction algorithms encompassing Time-Of-Flight and Point Spread Function modelling for quantitative cardiac PET: phantom studies. *Journal of Nuclear Cardiology*, **2015**, 22, 351-63	2.1	22
8	Optimized Bayes variational regularization prior for 3D PET images. *Computerized Medical Imaging and Graphics*, **2014**, 38, 445-57	7.6	6
7	Performances of Principal Component Analysis for the extraction of respiratory signal from Time-of-Flight PET coincidences stream **2014**,		1
6	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. *European Journal of Nuclear Medicine and Molecular Imaging*, **2013**, 40, 141	8.8	1
5	Motion-Tracking Hardware and Advanced Applications in PET and PET/CT. *PET Clinics*, **2013**, 8, 11-28	2.2	13
4	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
3	A compact dynamic phantom to assess the effect of motion in cardiac PET and SPECT studies **2012**,		3
2	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
1	Physical performance of the new hybrid PET/CT Discovery-690. *Medical Physics*, **2011**, 38, 5394-411	4.4	267