

Mohammed Yaqub Yaqub

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

1,927
citations

331670

21
h-index

289244

40
g-index

82
all docs

82
docs citations

82
times ranked

3256
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal Amyloid Imaging Using ¹¹ C-PiB: Methodologic Considerations. Journal of Nuclear Medicine, 2013, 54, 1570-1576.	5.0	148
2	Optimization of Supervised Cluster Analysis for Extracting Reference Tissue Input Curves in ¹¹ C- <i>R</i> -[¹¹ C]PK11195 Brain PET Studies. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1600-1608.	4.3	120
3	Association of Amyloid Positron Emission Tomography With Changes in Diagnosis and Patient Treatment in an Unselected Memory Clinic Cohort. JAMA Neurology, 2018, 75, 1062.	9.0	102
4	Feasibility of state of the art PET/CT systems performance harmonisation. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1344-1361.	6.4	100
5	Optical coherence tomography angiography in preclinical Alzheimer's disease. British Journal of Ophthalmology, 2020, 104, 157-161.	3.9	95
6	Simplified parametric methods for [¹¹ C]PIB studies. NeuroImage, 2008, 42, 76-86.	4.2	85
7	Optimization algorithms and weighting factors for analysis of dynamic PET studies. Physics in Medicine and Biology, 2006, 51, 4217-4232.	3.0	81
8	In vivo (R)-[¹¹ C]PK11195 PET imaging of 18kDa translocator protein in recent onset psychosis. NPJ Schizophrenia, 2016, 2, 16031.	3.6	63
9	Investigating the state-of-the-art in whole-body MR-based attenuation correction: an intra-individual, inter-system, inventory study on three clinical PET/MR systems. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 75-87.	2.0	62
10	Multitracer model for staging cortical amyloid deposition using PET imaging. Neurology, 2020, 95, e1538-e1553.	1.1	55
11	Applying the ATN scheme in a memory clinic population. Neurology, 2019, 93, e1635-e1646.	1.1	51
12	The EMIF-AD PreclinAD study: study design and baseline cohort overview. Alzheimer's Research and Therapy, 2018, 10, 75.	6.2	48
13	First in man study of [¹⁸ F]fluoro-PEG-folate PET: a novel macrophage imaging technique to visualize rheumatoid arthritis. Scientific Reports, 2020, 10, 1047.	3.3	43
14	Quantification of Tau Load Using [¹⁸ F]AV1451 PET. Molecular Imaging and Biology, 2017, 19, 963-971.	2.6	42
15	Amyloid- β Load Is Related to Worries, but Not to Severity of Cognitive Complaints in Individuals With Subjective Cognitive Decline: The SCIENCE Project. Frontiers in Aging Neuroscience, 2019, 11, 7.	3.4	37
16	Retinal layer thickness in preclinical Alzheimer's disease. Acta Ophthalmologica, 2019, 97, 798-804.	1.1	36
17	Optimized dual-time-window protocols for quantitative [¹⁸ F]flutemetamol and [¹⁸ F]florbetaben PET studies. EJNMMI Research, 2019, 9, 32.	2.5	31
18	Effects of erlotinib therapy on [¹¹ C]erlotinib uptake in EGFR mutated, advanced NSCLC. EJNMMI Research, 2016, 6, 10.	2.5	30

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19	Impact of PET/CT system, reconstruction protocol, data analysis method, and repositioning on PET/CT precision: An experimental evaluation using an oncology and brain phantom. <i>Medical Physics</i> , 2017, 44, 6413-6424.	3.0	30
20	Resilience to cognitive impairment in the oldest-old: design of the EMIF-AD 90+ study. <i>BMC Geriatrics</i> , 2018, 18, 289.	2.7	25
21	Hypometabolism of the posterior cingulate cortex is not restricted to Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2018, 19, 625-632.	2.7	23
22	The Dopamine Stabilizer (α)-OSU6162 Occupies a Subpopulation of Striatal Dopamine D2/D3 Receptors: An [11C]Raclopride PET Study in Healthy Human Subjects. <i>Neuropsychopharmacology</i> , 2015, 40, 472-479.	5.4	22
23	Quantitative and Simplified Analysis of ¹¹ C-Erlotinib Studies. <i>Journal of Nuclear Medicine</i> , 2016, 57, 861-866.	5.0	22
24	Amyloid imaging of dutch type hereditary cerebral amyloid angiopathy carriers. <i>Annals of Neurology</i> , 2019, 86, 616-625.	5.3	22
25	Parametric methods for ¹⁸ F-flortaucipir PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 365-373.	4.3	22
26	Evolution of heterotopic bone in fibrodysplasia ossificans progressiva: An [18F]NaF PET/CT study. <i>Bone</i> , 2019, 124, 1-6.	2.9	20
27	Onset of Preclinical Alzheimer Disease in Monozygotic Twins. <i>Annals of Neurology</i> , 2021, 89, 987-1000.	5.3	20
28	PET-BIDS, an extension to the brain imaging data structure for positron emission tomography. <i>Scientific Data</i> , 2022, 9, 65.	5.3	20
29	Molecular Imaging of ABCB1 and ABCG2 Inhibition at the Human Blood-Brain Barrier Using Elacridar and ¹¹ C-Erlotinib PET. <i>Journal of Nuclear Medicine</i> , 2018, 59, 973-979.	5.0	19
30	A novel partial volume correction method for accurate quantification of [18F] flortaucipir in the hippocampus. <i>EJNMMI Research</i> , 2018, 8, 79.	2.5	19
31	Repeatability of IVIM biomarkers from diffusion-weighted MRI in head and neck: Bayesian probability versus neural network. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3394-3402.	3.0	19
32	Repeatability of arterial input functions and kinetic parameters in muscle obtained by dynamic contrast enhanced MR imaging of the head and neck. <i>Magnetic Resonance Imaging</i> , 2020, 68, 1-8.	1.8	19
33	Model selection criteria for dynamic brain PET studies. <i>EJNMMI Physics</i> , 2017, 4, 30.	2.7	18
34	Assessment of the appropriate use criteria for amyloid PET in an unselected memory clinic cohort: The ABIDE project. <i>Alzheimer's and Dementia</i> , 2019, 15, 1458-1467.	0.8	18
35	Assessment of Simplified Methods to Measure ¹⁸ F-FLT Uptake Changes in EGFR-Mutated Non-Small Cell Lung Cancer Patients Undergoing EGFR Tyrosine Kinase Inhibitor Treatment. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1417-1423.	5.0	17
36	Quantification of Dynamic ¹¹ C-Phenytoin PET Studies. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1372-1377.	5.0	17

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37	Use of population input functions for reduced scan duration whole-body Patlak 18F-FDG PET imaging. <i>EJNMMI Physics</i> , 2021, 8, 11.	2.7	17
38	[11C]PIB amyloid quantification: effect of reference region selection. <i>EJNMMI Research</i> , 2020, 10, 123.	2.5	17
39	Classification of negative and positive 18F-florbetapir brain PET studies in subjective cognitive decline patients using a convolutional neural network. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 721-728.	6.4	16
40	[¹⁸ F]Flortaucipir PET Across Various <i>MAPT</i> Mutations in Presymptomatic and Symptomatic Carriers. <i>Neurology</i> , 2021, 97, e1017-e1030.	1.1	16
41	Effects of intravenous thyrotropin-releasing hormone on 18F-fluorodeoxyglucose uptake in human brown adipose tissue: a randomized controlled trial. <i>European Journal of Endocrinology</i> , 2018, 179, 31-38.	3.7	15
42	Quantification of O-(2-[18F]fluoroethyl)-L-tyrosine kinetics in glioma. <i>EJNMMI Research</i> , 2018, 8, 72.	2.5	14
43	Association of amyloid pathology with memory performance and cognitive complaints in cognitively normal older adults: a monozygotic twin study. <i>Neurobiology of Aging</i> , 2019, 77, 58-65.	3.1	14
44	What Determines Cognitive Functioning in the Oldest-Old? The EMIF-AD 90+ Study. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2021, 76, 1499-1511.	3.9	14
45	Strategies to reduce sample sizes in Alzheimer's disease primary and secondary prevention trials using longitudinal amyloid PET imaging. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 82.	6.2	14
46	Amyloid-driven disruption of default mode network connectivity in cognitively healthy individuals. <i>Brain Communications</i> , 2021, 3, fcab201.	3.3	14
47	Longitudinal retinal layer changes in preclinical Alzheimer's disease. <i>Acta Ophthalmologica</i> , 2021, 99, 538-544.	1.1	13
48	Parametric Methods for Quantification of 18F-FAZA Kinetics in Non-Small Cell Lung Cancer Patients. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1772-1777.	5.0	12
49	Semi-quantitative cerebral blood flow parameters derived from non-invasive [¹⁵ O]H ₂ O PET studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 163-172.	4.3	12
50	Simulating the effect of cerebral blood flow changes on regional quantification of [¹⁸ F]flutemetamol and [¹⁸ F]florbetaben studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 579-589.	4.3	12
51	Investigation of practical initial attenuation image estimates in TOF-MLAA reconstruction for PET/MR. <i>Medical Physics</i> , 2016, 43, 4163-4173.	3.0	11
52	Contralateral improvement of cerebrovascular reactivity and TIA frequency after unilateral revascularization surgery in moyamoya vasculopathy. <i>NeuroImage: Clinical</i> , 2021, 30, 102684.	2.7	11
53	A Clinical and Experimental Comparison of Time of Flight PET/MRI and PET/CT Systems. <i>Molecular Imaging and Biology</i> , 2015, 17, 714-725.	2.6	10
54	Assessment of Simplified Methods for Quantification of 18F-FDHT Uptake in Patients with Metastatic Castration-Resistant Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1221-1227.	5.0	10

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55	Effect of Shortening the Scan Duration on Quantitative Accuracy of [18F]Flortaucipir Studies. <i>Molecular Imaging and Biology</i> , 2021, 23, 604-613.	2.6	10
56	Direct comparison of [11C] choline and [18F] FET PET to detect glioma infiltration: a diagnostic accuracy study in eight patients. <i>EJNMMI Research</i> , 2019, 9, 57.	2.5	8
57	Evaluation of the Novel PET Tracer [11C]HACH242 for Imaging the GluN2B NMDA Receptor in Non-Human Primates. <i>Molecular Imaging and Biology</i> , 2019, 21, 676-685.	2.6	8
58	Quantitative parametric maps of O-(2-[¹⁸ F]fluoroethyl)-L-tyrosine kinetics in diffuse glioma. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 895-903.	4.3	8
59	Associations of Brain Pathology Cognitive and Physical Markers With Age in Cognitively Normal Individuals Aged 60–102 Years. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1609-1617.	3.6	7
60	Diagnostic Value of Magnetic Resonance Imaging in Fibrodysplasia Ossificans Progressiva. <i>JBMR Plus</i> , 2020, 4, e10363.	2.7	7
61	Parametric imaging of dual-time window [18F]flutemetamol and [18F]florbetaben studies. <i>NeuroImage</i> , 2021, 234, 117953.	4.2	7
62	Impact of cerebral blood flow and amyloid load on SUVR bias. <i>EJNMMI Research</i> , 2022, 12, 29.	2.5	6
63	Exploring effects of Souvenaid on cerebral glucose metabolism in Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 492-500.	3.7	5
64	Parametric Methods for Dynamic 11C-Phenytoin PET Studies. <i>Journal of Nuclear Medicine</i> , 2017, 58, 479-483.	5.0	2
65	Test-Retest Variability of Relative Tracer Delivery Rate as Measured by [11C]PiB. <i>Molecular Imaging and Biology</i> , 2021, 23, 335-339.	2.6	2
66	Biodistribution of ¹⁸ F-FES in patients with metastatic ER+ breast cancer undergoing treatment with Rintodestrant (G1T48), a novel selective estrogen receptor degrader. <i>Journal of Nuclear Medicine</i> , 2021, , jnumed.121.262500.	5.0	2
67	Detecting resistance in EGFR-mutated non-small-cell lung cancer after clonal selection through targeted therapy. <i>Personalized Medicine</i> , 2015, 12, 63-66.	1.5	1
68	Improving accuracy and precision of PET pharmacokinetic analysis using wavelet based denoising of time activity curves. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S640-S640.	4.3	1
69	3D Convolutional Neural Network-Based Denoising of Low-Count Whole-Body 18F-Fluorodeoxyglucose and 89Zr-Rituximab PET Scans. <i>Diagnostics</i> , 2022, 12, 596.	2.6	1
70	Evaluation of the accuracy of the average Mu-values within patients from MR derived Mu-maps. , 2015, , .		0
71	Effects of boundary conditions in TOF-MLAA reconstruction for PET/MR. , 2015, , .		0
72	Evaluation of a more optimal initial attenuation image estimate in TOF-MLAA for PET/MR. , 2015, , .		0

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73	CSF proteomic changes in preclinical Alzheimer's disease: A monozygotic twin study. <i>Alzheimer's and Dementia</i> , 2020, 16, e038966.	0.8	0
74	Amyloid β deposition in cognitively normal oldest-old is associated with cortical thinning and faster memory decline. <i>Alzheimer's and Dementia</i> , 2020, 16, e040991.	0.8	0
75	Amyloid β deposition in cognitively normal oldest-old is associated with cortical thinning and faster memory decline. <i>Alzheimer's and Dementia</i> , 2020, 16, e042768.	0.8	0
76	Amyloid aggregation and subsequent memory decline over time in cognitively intact older identical twins. <i>Alzheimer's and Dementia</i> , 2020, 16, e045112.	0.8	0
77	Quantitative accuracy remains after shortening of dynamic [18 F]flortaucipir PET protocol. <i>Alzheimer's and Dementia</i> , 2020, 16, e045710.	0.8	0
78	11 C-sorafenib and 15 O-H $_2$ O PET for early evaluation of sorafenib therapy. <i>Journal of Nuclear Medicine</i> , 2020, 62, jnumed.120.251611.	5.0	0
79	Amyloid discordance analysis in cognitively normal monozygotic twins demonstrates that the memory domain is affected first in preclinical AD. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
80	Longitudinal [18 F]flortaucipir PET: Comparison of quantitative and semi-quantitative parameters. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
81	Whole body macrophage PET imaging for disease activity assessment in early rheumatoid arthritis. <i>Journal of Rheumatology</i> , 2022, , jrheum.210928.	2.0	0