

Yun Zhou

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.

123
papers

5,540⁰
citations

39
h-index

72
g-index

134
ext. papers

6,598
ext. citations

5.9
avg, IF

5.18
L-index

#	Paper	IF	Citations
123	In vivo imaging of amyloid deposition in Alzheimer disease using the radioligand 18F-AV-45 (florbetapir [corrected] F 18). <i>Journal of Nuclear Medicine</i> , 2010 , 51, 913-20	8.9	513
122	Self-reported sleep and amyloid deposition in community-dwelling older adults. <i>JAMA Neurology</i> , 2013 , 70, 1537-43	17.2	304
121	Association Between Midlife Vascular Risk Factors and Estimated Brain Amyloid Deposition. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 317, 1443-1450	27.4	299
120	Sex differences in striatal dopamine release in healthy adults. <i>Biological Psychiatry</i> , 2006 , 59, 966-74	7.9	271
119	Relationships among ventral striatal dopamine release, cortisol secretion, and subjective responses to amphetamine. <i>Neuropsychopharmacology</i> , 2005 , 30, 821-32	8.7	248
118	Increased occupancy of dopamine receptors in human striatum during cue-elicited cocaine craving. <i>Neuropsychopharmacology</i> , 2006 , 31, 2716-27	8.7	244
117	Medical image classification with convolutional neural network 2014 ,		218
116	Mechanisms of dopaminergic and serotonergic neurotransmission in Tourette syndrome: clues from an in vivo neurochemistry study with PET. <i>Neuropsychopharmacology</i> , 2008 , 33, 1239-51	8.7	200
115	Nigrostriatal dopamine system dysfunction and subtle motor deficits in manganese-exposed non-human primates. <i>Experimental Neurology</i> , 2006 , 202, 381-90	5.7	150
114	Impairment of nigrostriatal dopamine neurotransmission by manganese is mediated by pre-synaptic mechanism(s): implications to manganese-induced parkinsonism. <i>Journal of Neurochemistry</i> , 2008 , 107, 1236-47	6	121
113	Glucose intolerance, insulin resistance, and pathological features of Alzheimer disease in the Baltimore Longitudinal Study of Aging. <i>JAMA Neurology</i> , 2013 , 70, 1167-72	17.2	114
112	Association of amphetamine-induced striatal dopamine release and cortisol responses to psychological stress. <i>Neuropsychopharmacology</i> , 2007 , 32, 2310-20	8.7	110
111	Dopamine D receptor occupancy of lumateperone (ITI-007): a Positron Emission Tomography Study in patients with schizophrenia. <i>Neuropsychopharmacology</i> , 2019 , 44, 598-605	8.7	107
110	Linear regression with spatial constraint to generate parametric images of ligand-receptor dynamic PET studies with a simplified reference tissue model. <i>NeuroImage</i> , 2003 , 18, 975-89	7.9	104
109	VMAT2 and dopamine neuron loss in a primate model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2008 , 105, 78-90	6	100
108	¹¹ C-MCG: synthesis, uptake selectivity, and primate PET of a probe for glutamate carboxypeptidase II (NAALADase). <i>Molecular Imaging</i> , 2002 , 1, 96-101	3.7	96
107	In vivo fibrillar beta-amyloid detected using [¹¹ C]PiB positron emission tomography and neuropathologic assessment in older adults. <i>Archives of Neurology</i> , 2011 , 68, 232-40		91

106	Correspondence between in vivo (11)C-PiB-PET amyloid imaging and postmortem, region-matched assessment of plaques. <i>Acta Neuropathologica</i> , 2012 , 124, 823-31	14.3	86
105	Impulsivity and chronic stress are associated with amphetamine-induced striatal dopamine release. <i>NeuroImage</i> , 2007 , 36, 153-66	7.9	84
104	The ARIC-PET amyloid imaging study: Brain amyloid differences by age, race, sex, and APOE. <i>Neurology</i> , 2016 , 87, 473-80	6.5	81
103	Longitudinal patterns of β amyloid deposition in nondemented older adults. <i>Archives of Neurology</i> , 2011 , 68, 644-9		77
102	Arterial stiffness and dementia pathology: Atherosclerosis Risk in Communities (ARIC)-PET Study. <i>Neurology</i> , 2018 , 90, e1248-e1256	6.5	76
101	Using a reference tissue model with spatial constraint to quantify [11C]Pittsburgh compound B PET for early diagnosis of Alzheimer's disease. <i>NeuroImage</i> , 2007 , 36, 298-312	7.9	75
100	Effect of complement CR1 on brain amyloid burden during aging and its modification by APOE genotype. <i>Biological Psychiatry</i> , 2013 , 73, 422-8	7.9	66
99	Regional brain distribution of translocator protein using [(11)C]DPA-713 PET in individuals infected with HIV. <i>Journal of NeuroVirology</i> , 2014 , 20, 219-32	3.9	65
98	Dynamic whole-body PET imaging: principles, potentials and applications. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 501-518	8.8	62
97	Longitudinal cerebral blood flow and amyloid deposition: an emerging pattern?. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 1465-71	8.9	54
96	Proteome-based plasma markers of brain amyloid- β deposition in non-demented older individuals. <i>Journal of Alzheimer's Disease</i> , 2010 , 22, 1099-109	4.3	53
95	Linear ridge regression with spatial constraint for generation of parametric images in dynamic positron emission tomography studies. <i>IEEE Transactions on Nuclear Science</i> , 2001 , 48, 125-130	1.7	51
94	Changes in A β biomarkers and associations with APOE genotype in 2 β longitudinal cohorts. <i>Neurobiology of Aging</i> , 2015 , 36, 2333-9	5.6	49
93	Individual estimates of age at detectable amyloid onset for risk factor assessment. <i>Alzheimer's and Dementia</i> , 2016 , 12, 373-9	1.2	49
92	Improved parametric image generation using spatial-temporal analysis of dynamic PET studies. <i>NeuroImage</i> , 2002 , 15, 697-707	7.9	47
91	Long-term exposure to oral methylphenidate or dl-amphetamine mixture in peri-adolescent rhesus monkeys: effects on physiology, behavior, and dopamine system development. <i>Neuropsychopharmacology</i> , 2012 , 37, 2566-79	8.7	46
90	Generalized whole-body Patlak parametric imaging for enhanced quantification in clinical PET. <i>Physics in Medicine and Biology</i> , 2015 , 60, 8643-73	3.8	45
89	A consistent and efficient graphical analysis method to improve the quantification of reversible tracer binding in radioligand receptor dynamic PET studies. <i>NeuroImage</i> , 2009 , 44, 661-70	7.9	43

88	Multi-graphical analysis of dynamic PET. <i>NeuroImage</i> , 2010 , 49, 2947-57	7.9	40
87	Molecular imaging of serotonin degeneration in mild cognitive impairment. <i>Neurobiology of Disease</i> , 2017 , 105, 33-41	7.5	39
86	Glycine transporter type 1 occupancy by bitopertin: a positron emission tomography study in healthy volunteers. <i>Neuropsychopharmacology</i> , 2013 , 38, 504-12	8.7	39
85	Striatal dopamine release and family history of alcoholism. <i>Alcoholism: Clinical and Experimental Research</i> , 2006 , 30, 1143-51	3.7	39
84	Lack of association between 11C-PiB and longitudinal brain atrophy in non-demented older individuals. <i>Neurobiology of Aging</i> , 2011 , 32, 2123-30	5.6	37
83	An extended simplified reference tissue model for the quantification of dynamic PET with amphetamine challenge. <i>NeuroImage</i> , 2006 , 33, 550-63	7.9	37
82	The applicability of SRTM in [(18)F]fallypride PET investigations: impact of scan durations. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 1958-66	7.3	33
81	Benzodiazepine binding site occupancy by the novel GABAA receptor subtype-selective drug 7-(1,1-dimethylethyl)-6-(2-ethyl-2H-1,2,4-triazol-3-ylmethoxy)-3-(2-fluorophenyl)-1,2,4-triazolo[4,3-b]pyridazine (TPA023) in rats, primates, and humans. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 332, 17-25	4.7	32
80	Sex modulates the ApoE ϵ effect on brain tau deposition measured by F-AV-1451 PET in individuals with mild cognitive impairment. <i>Theranostics</i> , 2019 , 9, 4959-4970	12.1	31
79	Objectively Measured Sleep and Amyloid Burden in Older Adults: A Pilot Study. <i>SAGE Open Medicine</i> , 2014 , 2,	2.4	30
78	Direct 4D parametric imaging for linearized models of reversibly binding PET tracers using generalized AB-EM reconstruction. <i>Physics in Medicine and Biology</i> , 2012 , 57, 733-55	3.8	30
77	Longitudinal imaging pattern analysis (SPARE-CD index) detects early structural and functional changes before cognitive decline in healthy older adults. <i>Neurobiology of Aging</i> , 2012 , 33, 2733-45	5.6	26
76	Locality-constrained Subcluster Representation Ensemble for lung image classification. <i>Medical Image Analysis</i> , 2015 , 22, 102-13	15.4	24
75	Positron emission tomography experience with 2-[(18)F]fluoro-3-(2(S)-azetidylmethoxy)pyridine (2-[(18)F]FA) in the living human brain of smokers with paranoid schizophrenia. <i>Synapse</i> , 2012 , 66, 352-68	2.4	24
74	The effect of ApoE ϵ on longitudinal brain region-specific glucose metabolism in patients with mild cognitive impairment: a FDG-PET study. <i>NeuroImage: Clinical</i> , 2019 , 22, 101795	5.3	23
73	F-FDG PET/CT Radiomic Analysis with Machine Learning for Identifying Bone Marrow Involvement in the Patients with Suspected Relapsed Acute Leukemia. <i>Theranostics</i> , 2019 , 9, 4730-4739	12.1	23
72	A classifier integrating plasma biomarkers and radiological characteristics for distinguishing malignant from benign pulmonary nodules. <i>International Journal of Cancer</i> , 2017 , 141, 1240-1248	7.5	22
71	ITI-007 demonstrates brain occupancy at serotonin 5-HT $_2$ A and dopamine D $_2$ receptors and serotonin transporters using positron emission tomography in healthy volunteers. <i>Psychopharmacology</i> , 2015 , 232, 2863-72	4.7	22

70	Memory decline shows stronger associations with estimated spatial patterns of amyloid deposition progression than total amyloid burden. <i>Neurobiology of Aging</i> , 2013 , 34, 2835-42	5.6	22
69	Characterization of [11C]RO5013853, a novel PET tracer for the glycine transporter type 1 (GlyT1) in humans. <i>NeuroImage</i> , 2013 , 75, 282-290	7.9	22
68	Clinical Value of Hybrid TOF-PET/MR Imaging-Based Multiparametric Imaging in Localizing Seizure Focus in Patients with MRI-Negative Temporal Lobe Epilepsy. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1791-1798	4.4	22
67	Single photon emission computed tomography experience with (S)-5-[(123I)]iodo-3-(2-azetidylmethoxy)pyridine in the living human brain of smokers and nonsmokers. <i>Synapse</i> , 2009 , 63, 339-58	2.4	21
66	Curcumin protects against methylmercury-induced cytotoxicity in primary rat astrocytes by activating the Nrf2/ARE pathway independently of PKC. <i>Toxicology</i> , 2019 , 425, 152248	4.4	20
65	Preparation and recyclable catalysis performance of functional macroporous polyHIPE immobilized with gold nanoparticles on its surface.. <i>RSC Advances</i> , 2018 , 8, 5912-5919	3.7	19
64	Quantitative F-AV1451 Brain Tau PET Imaging in Cognitively Normal Older Adults, Mild Cognitive Impairment, and Alzheimer's Disease Patients. <i>Frontiers in Neurology</i> , 2019 , 10, 486	4.1	19
63	A modeling-based factor extraction method for determining spatial heterogeneity of Ga-68 EDTA kinetics in brain tumors. <i>IEEE Transactions on Nuclear Science</i> , 1997 , 44, 2522-2526	1.7	19
62	Quantitative in vivo mapping of myocardial mitochondrial membrane potential. <i>PLoS ONE</i> , 2018 , 13, e0190968	3.7	19
61	Multiparametric imaging hippocampal neurodegeneration and functional connectivity with simultaneous PET/MRI in Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 2440-2452	8.8	17
60	Correlation of the vesicular acetylcholine transporter densities in the striata to the clinical abilities of women with Rett syndrome. <i>Synapse</i> , 2012 , 66, 471-82	2.4	17
59	Dynamic Multi-Bed FDG PET imaging: Feasibility and optimization 2011 ,		17
58	Lesion detection and characterization with context driven approximation in thoracic FDG PET-CT images of NSCLC studies. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 408-21	11.7	16
57	Acute Methylmercury Exposure and the Hypoxia-Inducible Signaling Pathway under Normoxic Conditions in the Rat Brain and Astrocytes. <i>Environmental Health Perspectives</i> , 2019 , 127, 127006	8.4	16
56	Longitudinal evaluation of surrogates of regional cerebral blood flow computed from dynamic amyloid PET imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 288-297	7.3	16
55	Pre-clinical characterization of [11C]R05013853 as a novel radiotracer for imaging of the glycine transporter type 1 by positron emission tomography. <i>NeuroImage</i> , 2013 , 75, 291-300	7.9	15
54	Spatially-coordinated regression for image-wise model fitting to dynamic PET data for generating parametric images. <i>IEEE Transactions on Nuclear Science</i> , 1998 , 45, 1194-1199	1.7	15
53	Downregulation of Wnt3 Suppresses Colorectal Cancer Development Through Inhibiting Cell Proliferation and Migration. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1110	5.6	14

52	Relative equilibrium plot improves graphical analysis and allows bias correction of standardized uptake value ratio in quantitative 11C-PIB PET studies. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 622-8	8.9	14
51	CSF Biomarkers and Its Associations with 18F-AV133 Cerebral VMAT2 Binding in Parkinson's Disease-A Preliminary Report. <i>PLoS ONE</i> , 2016 , 11, e0164762	3.7	14
50	The Association of Mid- and Late-Life Systemic Inflammation with Brain Amyloid Deposition: The ARIC-PET Study. <i>Journal of Alzheimer's Disease</i> , 2018 , 66, 1041-1052	4.3	14
49	Association between serotonin denervation and resting-state functional connectivity in mild cognitive impairment. <i>Human Brain Mapping</i> , 2017 , 38, 3391-3401	5.9	12
48	Potential Clinical Value of Multiparametric PET in the Prediction of Alzheimer's Disease Progression. <i>PLoS ONE</i> , 2016 , 11, e0154406	3.7	12
47	Effect of Diffuse Subendocardial Hypoperfusion on Left Ventricular Cavity Size by N-Ammonia Perfusion PET in Patients With Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2016 , 118, 1908-1915	3	12
46	The Correlation Between [Ga]DOTATATE PET/CT and Cell Proliferation in Patients With GEP-NENs. <i>Molecular Imaging and Biology</i> , 2019 , 21, 984-990	3.8	10
45	Voxelwise Relationships Between Distribution Volume Ratio and Cerebral Blood Flow: Implications for Analysis of β -Amyloid Images. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 1042-7	8.9	10
44	Prophylactic pyridoxine was not able to reduce the incidence of capecitabine-induced hand-foot syndrome: A meta-analysis. <i>Biomedical Reports</i> , 2013 , 1, 873-878	1.8	9
43	Clinical evaluation of whole-body oncologic PET with time-of-flight and point-spread function for the hybrid PET/MR system. <i>European Journal of Radiology</i> , 2017 , 93, 70-75	4.7	8
42	Effect of STN DBS on vesicular monoamine transporter 2 and glucose metabolism in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019 , 64, 235-241	3.6	8
41	Quantitative multimodal multiparametric imaging in Alzheimer's disease. <i>Brain Informatics</i> , 2016 , 3, 29-37.9	3.9	8
40	Context Curves for Classification of Lung Nodule Images 2013 ,		8
39	Clustering-based linear least square fitting method for generation of parametric images in dynamic FDG PET studies. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 65641	5.2	8
38	Different antiviral effects of IFN α and IFN β in an HBV mouse model. <i>Immunobiology</i> , 2017 , 222, 562-570	3.4	7
37	Association of sex and APOE ϵ with brain tau deposition and atrophy in older adults with Alzheimer's disease. <i>Theranostics</i> , 2020 , 10, 10563-10572	12.1	7
36	Plant components can reduce methylmercury toxication: A mini-review. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 129290	4	6
35	PET imaging of dopamine release in the frontal cortex of manganese-exposed non-human primates. <i>Journal of Neurochemistry</i> , 2019 , 150, 188-201	6	6

34	Bone texture characterization with fisher encoding of local descriptors 2015 ,		6
33	In vivo Characterization of Four F-Labeled S1PR1 Tracers for Neuroinflammation. <i>Molecular Imaging and Biology</i> , 2020 , 22, 1362-1369	3.8	6
32	Direct 4D parametric image reconstruction with plasma input and reference tissue models in reversible binding imaging 2009 ,		6
31	Blood levels and DA transporter occupancy of orally administered methylphenidate in juvenile rhesus monkeys measured by high resolution PET. <i>Synapse</i> , 2008 , 62, 950-2	2.4	6
30	Beta-amyloid (A β) uptake by PET imaging in older HIV+ and HIV- individuals. <i>Journal of NeuroVirology</i> , 2020 , 26, 382-390	3.9	6
29	Discriminative data transform for image feature extraction and classification. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 452-9	0.9	5
28	Sex modifies APOE ϵ dose effect on brain tau deposition in cognitively impaired individuals. <i>Brain</i> , 2021 , 144, 3201-3211	11.2	5
27	A ranking-based lung nodule image classification method using unlabeled image knowledge 2014 ,		4
26	Boosted multifold sparse representation with application to ILD classification 2014 ,		4
25	Using the rPatlak plot and dynamic FDG-PET to generate parametric images of relative local cerebral metabolic rate of glucose. <i>Science Bulletin</i> , 2012 , 57, 3811-3818		4
24	Enhanced whole-body PET parametric imaging using hybrid regression and thresholding driven by kinetic correlations 2012 ,		4
23	Thoracic abnormality detection with data adaptive structure estimation. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 74-81	0.9	4
22	NLRP3 inflammasome inhibitor cucurbitacin B suppresses gout arthritis in mice. <i>Journal of Molecular Endocrinology</i> , 2021 , 67, 27-40	4.5	4
21	Noninvasive bi-graphical analysis for the quantification of slowly reversible radioligand binding. <i>Physics in Medicine and Biology</i> , 2016 , 61, 6770-6790	3.8	3
20	A cholecystokinin B receptor antagonist and cocaine interaction, phase I study. <i>CNS Neuroscience and Therapeutics</i> , 2019 , 25, 136-146	6.8	3
19	Simultaneous PET-MRI imaging of cerebral blood flow and glucose metabolism in the symptomatic unilateral internal carotid artery/middle cerebral artery steno-occlusive disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1668-1677	8.8	3
18	Comparison of two software systems for quantification of myocardial blood flow in patients with hypertrophic cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , 2019 , 26, 1243-1253	2.1	3
17	¹¹ C-MCG: Synthesis, Uptake Selectivity, and Primate PET of a Probe for Glutamate Carboxypeptidase II (NAALADase). <i>Molecular Imaging</i> , 2002 , 1, 153535002002021	3.7	2

16	Spectral analysis with a minimal basis functions approach for quantification of ligand-receptor dynamic PET study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S634-S634	7.3	2
15	Ultrasound-Guided High-Intensity Focused Ultrasound for Devascularization of Uterine Fibroid: A Feasibility Study. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 2622-2635	3.5	2
14	Tracer-specific reference tissues selection improves detection of F-FDG, F-florbetapir, and F-flortaucipir PET SUVR changes in Alzheimer's disease.. <i>Human Brain Mapping</i> , 2022 ,	5.9	2
13	Quantitative whole-body parametric PET imaging incorporating a generalized Patlak model 2013 ,		1
12	Differentiation of Non-Pharmacological from Pharmacological Dopamine Release in the Living Human Brain. <i>Current Medical Imaging</i> , 2011 , 7, 104-106	1.2	1
11	The impact of dopamine D-like agonist/antagonist on [F]VAT PET measurement of VACHT in the brain of nonhuman primates. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 143, 105152	5.1	1
10	Spatially constrained kinetic modeling with dual reference tissues improves F-flortaucipir PET in studies of Alzheimer disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 3172-3186 ¹	8.8	1
9	Association between long-term donepezil treatment and brain regional amyloid and tau burden among individuals with mild cognitive impairment assessed using F-AV-45 and F-AV-1451 PET. <i>Journal of Neuroscience Research</i> , 2021 ,	4.4	1
8	Association of PET-measured myocardial flow reserve with echocardiography-estimated pulmonary artery systolic pressure in patients with hypertrophic cardiomyopathy. <i>PLoS ONE</i> , 2019 , 14, e0212573	3.7	0
7	Association study of genetic polymorphisms in with treatment response and dose in methadone maintenance treatment. <i>Personalized Medicine</i> , 2021 , 18, 423-430	2.2	0
6	Multi-parametric MRI phenotype with trustworthy machine learning for differentiating CNS demyelinating diseases. <i>Journal of Translational Medicine</i> , 2021 , 19, 377	8.5	0
5	Integrated Positron Emission Tomography/Magnetic Resonance Imaging for Resting-State Functional and Metabolic Imaging in Human Brain: What Is Correlated and What Is Impacted.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 824152	5.1	0
4	Diffusion-weighted imaging as a part of PET/MR for small lesion detection in patients with primary abdominal and pelvic cancer, with or without TOF reconstruction technique. <i>Abdominal Radiology</i> , 2019 , 44, 2639-2647	3	
3	Fluselenamyl: Evaluation of radiation dosimetry in mice and pharmacokinetics in brains of non-human primate. <i>Nuclear Medicine and Biology</i> , 2020 , 82-83, 33-40	2.1	
2	Sex, ApoE4 and Alzheimer's disease: rethinking drug discovery in the era of precision medicine. <i>Neural Regeneration Research</i> , 2021 , 16, 1764-1765	4.5	
1	Effects of sleeve gastrectomy on bone mass, microstructure of femurs and bone metabolism associated serum factors in obese rats. <i>BMC Endocrine Disorders</i> , 2021 , 21, 173	3.3	