

# Peiyu Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

1,700  
citations

279701

23  
h-index

377752

34  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2419  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regionally progressive accumulation of iron in Parkinson's disease as measured by quantitative susceptibility mapping. <i>NMR in Biomedicine</i> , 2017, 30, e3489.	1.6	122
2	Altered brain network centrality in depressed Parkinson's disease patients. <i>Movement Disorders</i> , 2015, 30, 1777-1784.	2.2	80
3	Influence of regional iron on the motor impairments of Parkinson's disease: A quantitative susceptibility mapping study. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1335-1342.	1.9	68
4	Abnormal amygdala function in Parkinson's disease patients and its relationship to depression. <i>Journal of Affective Disorders</i> , 2015, 183, 263-268.	2.0	66
5	Different iron deposition patterns in early- and middle-late-onset Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2017, 44, 23-27.	1.1	53
6	Disrupted white matter integrity in depressed versus non-depressed Parkinson's disease patients: A tract-based spatial statistics study. <i>Journal of the Neurological Sciences</i> , 2014, 346, 145-148.	0.3	51
7	Abnormal baseline brain activity in Parkinson's disease with and without REM sleep behavior disorder: A resting-state functional MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 697-703.	1.9	45
8	Prominence of Medullary Veins on Susceptibility-Weighted Images Provides Prognostic Information in Patients with Subacute Stroke. <i>American Journal of Neuroradiology</i> , 2016, 37, 423-429.	1.2	41
9	Differentiation of supratentorial single brain metastasis and glioblastoma by using peri-enhancing oedema region-derived radiomic features and multiple classifiers. <i>European Radiology</i> , 2020, 30, 3015-3022.	2.3	39
10	Alteration of regional homogeneity and white matter hyperintensities in amnesic mild cognitive impairment subtypes are related to cognition and CSF biomarkers. <i>Brain Imaging and Behavior</i> , 2018, 12, 188-200.	1.1	38
11	Building CT Radiomics-Based Models for Preoperatively Predicting Malignant Potential and Mitotic Count of Gastrointestinal Stromal Tumors. <i>Translational Oncology</i> , 2019, 12, 1229-1236.	1.7	38
12	Venous disruption affects white matter integrity through increased interstitial fluid in cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 157-165.	2.4	37
13	Cortical abnormalities in Parkinson's disease patients and relationship to depression: A surface-based morphometry study. <i>Psychiatry Research - Neuroimaging</i> , 2016, 250, 24-28.	0.9	35
14	Iron-related nigral degeneration influences functional topology mediated by striatal dysfunction in Parkinson's disease. <i>Neurobiology of Aging</i> , 2019, 75, 83-97.	1.5	35
15	Deep white matter hyperintensity is associated with the dilation of perivascular space. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2370-2380.	2.4	34
16	Disrupted Functional Connectivity of Basal Ganglia across Tremor-Dominant and Akinetic/Rigid-Dominant Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 360.	1.7	31
17	Gray matter structural covariance networks changes along the Alzheimer's disease continuum. <i>NeuroImage: Clinical</i> , 2019, 23, 101828.	1.4	31
18	Quantitative susceptibility mapping as a biomarker for evaluating white matter alterations in Parkinson's disease. <i>Brain Imaging and Behavior</i> , 2019, 13, 220-231.	1.1	30

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19	Predicting the progression of Parkinson's disease using conventional MRI and machine learning: An application of radiomic biomarkers in whole-brain white matter. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1611-1624.	1.9	30
20	Alterations in the hippocampal-thalamic pathway underlying secondarily generalized tonic-clonic seizures in mesial temporal lobe epilepsy: A diffusion tensor imaging study. <i>Epilepsia</i> , 2019, 60, 121-130.	2.6	29
21	Greater Loss of White Matter Integrity in Postural Instability and Gait Difficulty Subtype of Parkinson's Disease. <i>Canadian Journal of Neurological Sciences</i> , 2014, 41, 763-768.	0.3	28
22	Factors Associated With the Dilatation of Perivascular Space in Healthy Elderly Subjects. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 624732.	1.7	27
23	Intrinsic functional connectivity alterations in cognitively intact elderly APOE $\epsilon$ 4 carriers measured by eigenvector centrality mapping are related to cognition and CSF biomarkers: a preliminary study. <i>Brain Imaging and Behavior</i> , 2017, 11, 1290-1301.	1.1	26
24	The Influence of Demographics and Vascular Risk Factors on Glymphatic Function Measured by Diffusion Along Perivascular Space. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 693787.	1.7	26
25	Brain Atrophy and Reorganization of Structural Network in Parkinson's Disease With Hemiparkinsonism. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 117.	1.0	25
26	Reorganization of anterior and posterior hippocampal networks associated with memory performance in mesial temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2017, 128, 830-838.	0.7	24
27	Application of T1-/T2-Weighted Ratio Mapping to Elucidate Intracortical Demyelination Process in the Alzheimer's Disease Continuum. <i>Frontiers in Neuroscience</i> , 2019, 13, 904.	1.4	23
28	Microstructural and metabolic changes in the longitudinal progression of white matter hyperintensities. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1613-1622.	2.4	22
29	Disrupted Brain Network in Progressive Mild Cognitive Impairment Measured by Eigenvector Centrality Mapping is Linked to Cognition and Cerebrospinal Fluid Biomarkers. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 1483-1493.	1.2	21
30	Fixel-based analysis reveals fiber-specific alterations during the progression of Parkinson's disease. <i>NeuroImage: Clinical</i> , 2020, 27, 102355.	1.4	21
31	Cerebellar Gray Matter Reductions Associate With Decreased Functional Connectivity in Nicotine-Dependent Individuals. <i>Nicotine and Tobacco Research</i> , 2018, 20, 440-447.	1.4	19
32	Severity of dependence modulates smokers' functional connectivity in the reward circuit: a preliminary study. <i>Psychopharmacology</i> , 2016, 233, 2129-2137.	1.5	18
33	Alteration of Brain Functional Connectivity in Parkinson's Disease Patients with Dysphagia. <i>Dysphagia</i> , 2019, 34, 600-607.	1.0	18
34	Damaged Insula Network Contributes to Depression in Parkinson's Disease. <i>Frontiers in Psychiatry</i> , 2020, 11, 119.	1.3	18
35	Altered spontaneous brain activity in chronic smokers revealed by fractional amplitude of low-frequency fluctuation analysis: a preliminary study. <i>Scientific Reports</i> , 2017, 7, 328.	1.6	16
36	Gray matter volumes of insular subregions are not correlated with smoking cessation outcomes but negatively correlated with nicotine dependence severity in chronic smokers. <i>Neuroscience Letters</i> , 2019, 696, 7-12.	1.0	15

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37	Increased extracellular fluid is associated with white matter fiber degeneration in CADASIL: in vivo evidence from diffusion magnetic resonance imaging. <i>Fluids and Barriers of the CNS</i> , 2021, 18, 29.	2.4	15
38	Association between cigarette smoking and Parkinson's disease: a neuroimaging study. <i>Therapeutic Advances in Neurological Disorders</i> , 2022, 15, 175628642210925.	1.5	15
39	Different patterns of gray matter density in early- and middle-late-onset Parkinson's disease: a voxel-based morphometry study. <i>Brain Imaging and Behavior</i> , 2019, 13, 172-179.	1.1	14
40	The relationship between microvasculature in white matter hyperintensities and cognitive function. <i>Brain Imaging and Behavior</i> , 2017, 11, 503-511.	1.1	13
41	Brain Gray Matter Volume and Functional Connectivity Are Associated With Smoking Cessation Outcomes. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 361.	1.0	13
42	Increased thalamic volume and decreased thalamo-precuneus functional connectivity are associated with smoking relapse. <i>NeuroImage: Clinical</i> , 2020, 28, 102451.	1.4	13
43	Structural Covariance Network Disruption and Functional Compensation in Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 199.	1.7	13
44	Automatic Classification on Multi-Modal MRI Data for Diagnosis of the Postural Instability and Gait Difficulty Subtype of Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2016, 6, 545-556.	1.5	12
45	Increased network centrality as markers of relapse risk in nicotine-dependent individuals treated with varenicline. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 75, 142-147.	2.5	12
46	Brain structural correlates of depressive symptoms in Parkinson's disease patients at different disease stage. <i>Psychiatry Research - Neuroimaging</i> , 2020, 296, 111029.	0.9	12
47	Clinically relevant connectivity features define three subtypes of Parkinson's disease patients. <i>Human Brain Mapping</i> , 2020, 41, 4077-4092.	1.9	12
48	White Matter Free Water is a Composite Marker of Cerebral Small Vessel Degeneration. <i>Translational Stroke Research</i> , 2021, , 1.	2.3	12
49	Evaluation and Prediction of Post-stroke Cerebral Edema Based on Neuroimaging. <i>Frontiers in Neurology</i> , 2021, 12, 763018.	1.1	12
50	Altered spontaneous activity of posterior cingulate cortex and superior temporal gyrus are associated with a smoking cessation treatment outcome using varenicline revealed by regional homogeneity. <i>Brain Imaging and Behavior</i> , 2017, 11, 611-618.	1.1	11
51	Oscillation-specific nodal alterations in early to middle stages Parkinson's disease. <i>Translational Neurodegeneration</i> , 2019, 8, 36.	3.6	11
52	Dilated perivascular space is related to reduced free-water in surrounding white matter among healthy adults and elderlies but not in patients with severe cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2561-2570.	2.4	11
53	Dynamic functional connectivity in modular organization of the hippocampal network marks memory phenotypes in temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2022, 43, 1917-1929.	1.9	11
54	Altered function but not structure of the amygdala in nicotine-dependent individuals. <i>Neuropsychologia</i> , 2017, 107, 102-107.	0.7	10

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55	Altered White Matter Integrity in Smokers Is Associated with Smoking Cessation Outcomes. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 438.	1.0	10
56	Temporal changes of COVID-19 pneumonia by mass evaluation using CT: a retrospective multi-center study. <i>Annals of Translational Medicine</i> , 2020, 8, 935-935.	0.7	10
57	Progressive microstructural alterations in subcortical nuclei in Parkinson's disease: A diffusion magnetic resonance imaging study. <i>Parkinsonism and Related Disorders</i> , 2021, 88, 82-89.	1.1	10
58	Asymmetrical nigral iron accumulation in Parkinson's disease with motor asymmetry: an explorative, longitudinal and test-retest study. <i>Aging</i> , 2020, 12, 18622-18634.	1.4	10
59	White matter injury induced by diabetes in acute stroke is clinically relevant: A preliminary study. <i>Diabetes and Vascular Disease Research</i> , 2017, 14, 40-46.	0.9	9
60	Abnormal corpus callosum induced by diabetes impairs sensorimotor connectivity in patients after acute stroke. <i>European Radiology</i> , 2019, 29, 115-123.	2.3	9
61	Aberrant Fiber Coherence of Amygdala-Accumbens-Pallidum Pathway Is Associated With Disorganized Nigrostriatal-Nigropallidal Pathway in Parkinson's Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1799-1808.	1.9	9
62	Changes in the Corticospinal Tract Beyond the Ischemic Lesion Following Acute Hemispheric Stroke: A Diffusion Kurtosis Imaging Study. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 512-519.	1.9	9
63	Serum Ceruloplasmin Depletion is Associated With Magnetic Resonance Evidence of Widespread Accumulation of Brain Iron in Parkinson's Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1098-1106.	1.9	9
64	The Ventral Intermediate Nucleus Differently Modulates Subtype-Related Networks in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 202.	1.4	8
65	Interactions between monoamine oxidase A rs1137070 and smoking on brain structure and function in male smokers. <i>European Journal of Neuroscience</i> , 2019, 50, 2201-2210.	1.2	8
66	Locus Coeruleus Degeneration Correlated with Levodopa Resistance in Parkinson's Disease: A Retrospective Analysis. <i>Journal of Parkinson's Disease</i> , 2021, 11, 1631-1640.	1.5	8
67	Locus coeruleus degeneration is associated with disorganized functional topology in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2021, 32, 102873.	1.4	8
68	Increased interregional functional connectivity of anterior insula is associated with improved smoking cessation outcome. <i>Brain Imaging and Behavior</i> , 2020, 14, 408-415.	1.1	7
69	Abnormal white matter tracts of insula in smokers. <i>Brain Imaging and Behavior</i> , 2021, 15, 1955-1965.	1.1	7
70	Disentangling the pathologies linking white matter hyperintensity and geriatric depressive symptoms in subjects with different degrees of vascular impairment. <i>Journal of Affective Disorders</i> , 2021, 282, 1005-1010.	2.0	7
71	Increased striatal functional connectivity is associated with improved smoking cessation outcomes: A preliminary study. <i>Addiction Biology</i> , 2021, 26, e12919.	1.4	7
72	Dopamine depletion and subcortical dysfunction disrupt cortical synchronization and metastability affecting cognitive function in Parkinson's disease. <i>Human Brain Mapping</i> , 2022, 43, 1598-1610.	1.9	7

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73	Prefrontal sensitivity to changes in language form and semantic content during speech production. <i>Brain and Language</i> , 2019, 194, 23-34.	0.8	6
74	Longitudinal Macro/Microstructural Alterations of Different Callosal Subsections in Parkinson's Disease Using Connectivity-Based Parcellation. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 572086.	1.7	6
75	Characterization of Lenticulostriate Arteries and Its Associations With Vascular Risk Factors in Community-Dwelling Elderly. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 685571.	1.7	6
76	Identifying a whole-brain connectome-based model in drug-naïve Parkinson's disease for predicting motor impairment. <i>Human Brain Mapping</i> , 2022, 43, 1984-1996.	1.9	6
77	White Matter Tract Injury by <scp>MRI</scp> in <scp>CADASIL</scp> Patients is Associated With Iron Accumulation. <i>Journal of Magnetic Resonance Imaging</i> , 2023, 57, 238-245.	1.9	4
78	Altered Spontaneous Brain Activity in Subjects With Different Cognitive States of Biologically Defined Alzheimer's Disease: A Surface-Based Functional Brain Imaging Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 683783.	1.7	3
79	Normalization effect of levodopa on hierarchical brain function in Parkinson's disease. <i>Network Neuroscience</i> , 2022, 6, 552-569.	1.4	3
80	Superficial white matter microstructure affects processing speed in cerebral small vessel disease. <i>Human Brain Mapping</i> , 2022, 43, 5310-5325.	1.9	3
81	Cortical degeneration detected by neurite orientation dispersion and density imaging in chronic lacunar infarcts. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2114-2124.	1.1	2
82	Disrupted interhemispheric coordination with unaffected lateralization of global eigenvector centrality characterizes hemiparkinsonism. <i>Brain Research</i> , 2020, 1742, 146888.	1.1	2
83	Cholinergic relevant functional reactivity is associated with dopamine responsiveness of tremor in Parkinson's disease. <i>Brain Imaging and Behavior</i> , 2022, 16, 1234-1245.	1.1	2
84	White Matter Free Water Outperforms Cerebral Small Vessel Disease Total Score in Predicting Cognitive Decline in Persons with Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2022, , 1-11.	1.2	2
85	Factors Associated With the Occurrence and Evolution of Recent Small Subcortical Infarcts (RSSIs) in Different Locations. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 264.	1.7	1
86	IC-P-058: Parietal White Matter Hyperintensity Predominate APOE-E4 Related Information Processing Speed Decline in Cognitively Intact Elderly: A Structural MRI Study. , 2016, 12, P47-P47.		0
87	IC-P-060: Decreased Intrinsic Functional Network in Cognitively Intact Elderly APOE-E4 Carriers Measured By Eigenvector Centrality Mapping. <i>Alzheimer's and Dementia</i> , 2016, 12, P48.	0.4	0
88	An Illustrated Guide to the Imaging Evolution of COVID in Non-Epidemic Areas of Southeast China. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 648180.	1.6	0