Peiyu Huang

List of Publications by Year
in descending order

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88	1,700	279798 23	377865 34
papers	citations	h-index	g-index

92	92	92	2419
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	White Matter Tract Injury by <scp>MRI</scp> in <scp>CADASIL</scp> Patients is Associated With Iron Accumulation. Journal of Magnetic Resonance Imaging, 2023, 57, 238-245.	3.4	4
2	Cholinergic relevant functional reactivity is associated with dopamine responsiveness of tremor in Parkinsonâ€™s disease. Brain Imaging and Behavior, 2022, 16, 1234-1245.	2.1	2
3	Normalization effect of levodopa on hierarchical brain function in Parkinsonâ€™s disease. Network Neuroscience, 2022, 6, 552-569.	2.6	3
4	White Matter Free Water Outperforms Cerebral Small Vessel Disease Total Score in Predicting Cognitive Decline in Persons with Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2022, , 1-11.	2.6	2
5	Dopamine depletion and subcortical dysfunction disrupt cortical synchronization and metastability affecting cognitive function in Parkinson's disease. Human Brain Mapping, 2022, 43, 1598-1610.	3.6	7
6	Identifying a wholeâ€brain connectomeâ€based model in drugâ€naÃ¯ve Parkinson's disease for predicting motor impairment. Human Brain Mapping, 2022, 43, 1984-1996.	3.6	6
7	Dynamic functional connectivity in modular organization of the hippocampal network marks memory phenotypes in temporal lobe epilepsy. Human Brain Mapping, 2022, 43, 1917-1929.	3.6	11
8	Association between cigarette smoking and Parkinsonâ€™s disease: a neuroimaging study. Therapeutic Advances in Neurological Disorders, 2022, 15, 175628642210925.	3.5	15
9	Superficial white matter microstructure affects processing speed in cerebral small vessel disease. Human Brain Mapping, 2022, 43, 5310-5325.	3.6	3
10	Abnormal white matter tracts of insula in smokers. Brain Imaging and Behavior, 2021, 15, 1955-1965.	2.1	7
11	Venous disruption affects white matter integrity through increased interstitial fluid in cerebral small vessel disease. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 157-165.	4.3	37
12	Predicting the progression of Parkinson's disease using conventional MRI and machine learning: An application of radiomic biomarkers in wholeâ€brain white matter. Magnetic Resonance in Medicine, 2021, 85, 1611-1624.	3.0	30
13	White Matter Free Water is a Composite Marker of Cerebral Small Vessel Degeneration. Translational Stroke Research, 2021, , 1.	4.2	12
14	Factors Associated With the Dilation of Perivascular Space in Healthy Elderly Subjects. Frontiers in Aging Neuroscience, 2021, 13, 624732.	3.4	27
15	Disentangling the pathologies linking white matter hyperintensity and geriatric depressive symptoms in subjects with different degrees of vascular impairment. Journal of Affective Disorders, 2021, 282, 1005-1010.	4.1	7
16	Deep white matter hyperintensity is associated with the dilation of perivascular space. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2370-2380.	4.3	34
17	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. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2561-2570.	4.3	11
18	Cortical degeneration detected by neurite orientation dispersion and density imaging in chronic lacunar infarcts. Quantitative Imaging in Medicine and Surgery, 2021, 11, 2114-2124.	2.0	2

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19	An Illustrated Guide to the Imaging Evolution of COVID in Non-Epidemic Areas of Southeast China. Frontiers in Molecular Biosciences, 2021, 8, 648180.	3.5	0
20	Serum Ceruloplasmin Depletion is Associated With Magnetic Resonance Evidence of Widespread Accumulation of Brain Iron in Parkinson's Disease. Journal of Magnetic Resonance Imaging, 2021, 54, 1098-1106.	3.4	9
21	Characterization of Lenticulostriate Arteries and Its Associations With Vascular Risk Factors in Community-Dwelling Elderly. Frontiers in Aging Neuroscience, 2021, 13, 685571.	3.4	6
22	Progressive microstructural alterations in subcortical nuclei in Parkinson's disease: A diffusion magnetic resonance imaging study. Parkinsonism and Related Disorders, 2021, 88, 82-89.	2.2	10
23	Increased extracellular fluid is associated with white matter fiber degeneration in CADASIL: in vivo evidence from diffusion magnetic resonance imaging. Fluids and Barriers of the CNS, 2021, 18, 29.	5.0	15
24	The Influence of Demographics and Vascular Risk Factors on Glymphatic Function Measured by Diffusion Along Perivascular Space. Frontiers in Aging Neuroscience, 2021, 13, 693787.	3.4	26
25	Locus Coeruleus Degeneration Correlated with Levodopa Resistance in Parkinsonâ€™s Disease: A Retrospective Analysis. Journal of Parkinson's Disease, 2021, 11, 1631-1640.	2.8	8
26	Altered Spontaneous Brain Activity in Subjects With Different Cognitive States of Biologically Defined Alzheimer's Disease: A Surface-Based Functional Brain Imaging Study. Frontiers in Aging Neuroscience, 2021, 13, 683783.	3.4	3
27	Increased striatal functional connectivity is associated with improved smoking cessation outcomes: A preliminary study. Addiction Biology, 2021, 26, e12919.	2.6	7
28	Locus coeruleus degeneration is associated with disorganized functional topology in Parkinsonâ€™s disease. NeuroImage: Clinical, 2021, 32, 102873.	2.7	8
29	Evaluation and Prediction of Post-stroke Cerebral Edema Based on Neuroimaging. Frontiers in Neurology, 2021, 12, 763018.	2.4	12
30	Increased interregional functional connectivity of anterior insula is associated with improved smoking cessation outcome. Brain Imaging and Behavior, 2020, 14, 408-415.	2.1	7
31	Brain structural correlates of depressive symptoms in Parkinson's disease patients at different disease stage. Psychiatry Research - Neuroimaging, 2020, 296, 111029.	1.8	12
32	Increased thalamic volume and decreased thalamo-precuneus functional connectivity are associated with smoking relapse. NeuroImage: Clinical, 2020, 28, 102451.	2.7	13
33	Aberrant Fiber Coherence of Amygdalaâ€'Accumbensâ€'Pallidum Pathway Is Associated With Disorganized Nigrostriatalâ€'Nigropallidal Pathway in Parkinson's Disease. Journal of Magnetic Resonance Imaging, 2020, 52, 1799-1808.	3.4	9
34	Longitudinal Macro/Microstructural Alterations of Different Callosal Subsections in Parkinsonâ€™s Disease Using Connectivity-Based Parcellation. Frontiers in Aging Neuroscience, 2020, 12, 572086.	3.4	6
35	Structural Covariance Network Disruption and Functional Compensation in Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2020, 12, 199.	3.4	13
36	Fixel-based analysis reveals fiber-specific alterations during the progression of Parkinsonâ€™s disease. NeuroImage: Clinical, 2020, 27, 102355.	2.7	21

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37	Temporal changes of COVID-19 pneumonia by mass evaluation using CT: a retrospective multi-center study. Annals of Translational Medicine, 2020, 8, 935-935.	1.7	10
38	Factors Associated With the Occurrence and Evolution of Recent Small Subcortical Infarcts (RSSIs) in Different Locations. Frontiers in Aging Neuroscience, 2020, 12, 264.	3.4	1
39	Damaged Insula Network Contributes to Depression in Parkinsonâ€™s Disease. Frontiers in Psychiatry, 2020, 11, 119.	2.6	18
40	Clinically relevant connectivity features define three subtypes of Parkinson's disease patients. Human Brain Mapping, 2020, 41, 4077-4092.	3.6	12
41	Changes in the Corticospinal Tract Beyond the Ischemic Lesion Following Acute Hemispheric Stroke: A Diffusion Kurtosis Imaging Study. Journal of Magnetic Resonance Imaging, 2020, 52, 512-519.	3.4	9
42	Differentiation of supratentorial singleÂbrain metastasis and glioblastoma by using peri-enhancing oedema regionâ€“derived radiomic features and multiple classifiers. European Radiology, 2020, 30, 3015-3022.	4.5	39
43	Disrupted interhemispheric coordination with unaffected lateralization of global eigenvector centrality characterizes hemiparkinsonism. Brain Research, 2020, 1742, 146888.	2.2	2
44	Asymmetrical nigral iron accumulation in Parkinsonâ€™s disease with motor asymmetry: an explorative, longitudinal and test-retest study. Aging, 2020, 12, 18622-18634.	3.1	10
45	Abnormal corpus callosum induced by diabetes impairs sensorimotor connectivity in patients after acute stroke. European Radiology, 2019, 29, 115-123.	4.5	9
46	Building CT Radiomics-Based Models for Preoperatively Predicting Malignant Potential and Mitotic Count of Gastrointestinal Stromal Tumors. Translational Oncology, 2019, 12, 1229-1236.	3.7	38
47	Brain Gray Matter Volume and Functional Connectivity Are Associated With Smoking Cessation Outcomes. Frontiers in Human Neuroscience, 2019, 13, 361.	2.0	13
48	Application of T1-/T2-Weighted Ratio Mapping to Elucidate Intracortical Demyelination Process in the Alzheimerâ€™s Disease Continuum. Frontiers in Neuroscience, 2019, 13, 904.	2.8	23
49	Gray matter structural covariance networks changes along the Alzheimer's disease continuum. NeuroImage: Clinical, 2019, 23, 101828.	2.7	31
50	Alteration of Brain Functional Connectivity in Parkinsonâ€™s Disease Patients with Dysphagia. Dysphagia, 2019, 34, 600-607.	1.8	18
51	Prefrontal sensitivity to changes in language form and semantic content during speech production. Brain and Language, 2019, 194, 23-34.	1.6	6
52	The Ventral Intermediate Nucleus Differently Modulates Subtype-Related Networks in Parkinsonâ€™s Disease. Frontiers in Neuroscience, 2019, 13, 202.	2.8	8
53	Oscillation-specific nodal alterations in early to middle stages Parkinsonâ€™s disease. Translational Neurodegeneration, 2019, 8, 36.	8.0	11
54	Gray matter volumes of insular subregions are not correlated with smoking cessation outcomes but negatively correlated with nicotine dependence severity in chronic smokers. Neuroscience Letters, 2019, 696, 7-12.	2.1	15

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55	Iron-related nigral degeneration influences functional topology mediated by striatal dysfunction in Parkinson's disease. Neurobiology of Aging, 2019, 75, 83-97.	3.1	35
56	Alterations in the hippocampalâ€thalamic pathway underlying secondarily generalized tonicâ€“clonic seizures in mesial temporal lobe epilepsy: A diffusion tensor imaging study. Epilepsia, 2019, 60, 121-130.	5.1	29
57	Interactions between monoamine oxidase A rs1137070 and smoking on brain structure and function in male smokers. European Journal of Neuroscience, 2019, 50, 2201-2210.	2.6	8
58	Different patterns of gray matter density in early- and middle-late-onset Parkinsonâ€™s disease: a voxel-based morphometry study. Brain Imaging and Behavior, 2019, 13, 172-179.	2.1	14
59	Microstructural and metabolic changes in the longitudinal progression of white matter hyperintensities. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1613-1622.	4.3	22
60	Quantitative susceptibility mapping as a biomarker for evaluating white matter alterations in Parkinsonâ€™s disease. Brain Imaging and Behavior, 2019, 13, 220-231.	2.1	30
61	Alteration of regional homogeneity and white matter hyperintensities in amnestic mild cognitive impairment subtypes are related to cognition and CSF biomarkers. Brain Imaging and Behavior, 2018, 12, 188-200.	2.1	38
62	Cerebellar Gray Matter Reductions Associate With Decreased Functional Connectivity in Nicotine-Dependent Individuals. Nicotine and Tobacco Research, 2018, 20, 440-447.	2.6	19
63	Brain Atrophy and Reorganization of Structural Network in Parkinson's Disease With Hemiparkinsonism. Frontiers in Human Neuroscience, 2018, 12, 117.	2.0	25
64	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. Brain Imaging and Behavior, 2017, 11, 611-618.	2.1	11
65	The relationship between microvasculature in white matter hyperintensities and cognitive function. Brain Imaging and Behavior, 2017, 11, 503-511.	2.1	13
66	Regionally progressive accumulation of iron in Parkinson's disease as measured by quantitative susceptibility mapping. NMR in Biomedicine, 2017, 30, e3489.	2.8	122
67	Increased network centrality as markers of relapse risk in nicotine-dependent individuals treated with varenicline. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 75, 142-147.	4.8	12
68	Reorganization of anterior and posterior hippocampal networks associated with memory performance in mesial temporal lobe epilepsy. Clinical Neurophysiology, 2017, 128, 830-838.	1.5	24
69	White matter injury induced by diabetes in acute stroke is clinically relevant: A preliminary study. Diabetes and Vascular Disease Research, 2017, 14, 40-46.	2.0	9
70	Altered spontaneous brain activity in chronic smokers revealed by fractional ramplitude of low-frequency fluctuation analysis: a preliminary study. Scientific Reports, 2017, 7, 328.	3.3	16
71	Different iron deposition patterns in early- and middle-late-onset Parkinson's disease. Parkinsonism and Related Disorders, 2017, 44, 23-27.	2.2	53
72	Altered function but not structure of the amygdala in nicotine-dependent individuals. Neuropsychologia, 2017, 107, 102-107.	1.6	10

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73	Influence of regional iron on the motor impairments of Parkinson's disease: A quantitative susceptibility mapping study. Journal of Magnetic Resonance Imaging, 2017, 45, 1335-1342.	3.4	68
74	Intrinsic functional connectivity alterations in cognitively intact elderly APOE Îµ4 carriers measured by eigenvector centrality mapping are related to cognition and CSF biomarkers: a preliminary study. Brain Imaging and Behavior, 2017, 11, 1290-1301.	2.1	26
75	Abnormal baseline brain activity in Parkinson's disease with and without REM sleep behavior disorder: A restingâ€state functional MRI study. Journal of Magnetic Resonance Imaging, 2017, 46, 697-703.	3.4	45
76	Disrupted Functional Connectivity of Basal Ganglia across Tremor-Dominant and Akinetic/Rigid-Dominant Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2017, 9, 360.	3.4	31
77	Altered White Matter Integrity in Smokers Is Associated with Smoking Cessation Outcomes. Frontiers in Human Neuroscience, 2017, 11, 438.	2.0	10
78	Automatic Classification on Multi-Modal MRI Data for Diagnosis of the Postural Instability and Gait Difficulty Subtype of Parkinsonâ€™s Disease. Journal of Parkinson's Disease, 2016, 6, 545-556.	2.8	12
79	Disrupted Brain Network in Progressive Mild Cognitive Impairment Measured by Eigenvector Centrality Mapping is Linked to Cognition and Cerebrospinal Fluid Biomarkers. Journal of Alzheimer's Disease, 2016, 54, 1483-1493.	2.6	21
80	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
81	ICâ€Pâ€060: Decreased Intrinsic Functional Network in Cognitively Intact Elderly APOEâ€E4 Carriers Measured By Eigenvector Centrality Mapping. Alzheimer's and Dementia, 2016, 12, P48.	0.8	0
82	Prominence of Medullary Veins on Susceptibility-Weighted Images Provides Prognostic Information in Patients with Subacute Stroke. American Journal of Neuroradiology, 2016, 37, 423-429.	2.4	41
83	Cortical abnormalities in Parkinsonâ€™s disease patients and relationship to depression: A surface-based morphometry study. Psychiatry Research - Neuroimaging, 2016, 250, 24-28.	1.8	35
84	Severity of dependence modulates smokersâ€™ functional connectivity in the reward circuit: a preliminary study. Psychopharmacology, 2016, 233, 2129-2137.	3.1	18
85	Altered brain network centrality in depressed Parkinson's disease patients. Movement Disorders, 2015, 30, 1777-1784.	3.9	80
86	Abnormal amygdala function in Parkinson's disease patients and its relationship to depression. Journal of Affective Disorders, 2015, 183, 263-268.	4.1	66
87	Greater Loss of White Matter Integrity in Postural Instability and Gait Difficulty Subtype of Parkinson's Disease. Canadian Journal of Neurological Sciences, 2014, 41, 763-768.	0.5	28
88	Disrupted white matter integrity in depressed versus non-depressed Parkinson's disease patients: A tract-based spatial statistics study. Journal of the Neurological Sciences, 2014, 346, 145-148.	0.6	51