

Piu Chan

List of Publications by Citations

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118
papers

6,013
citations

33
h-index

76
g-index

120
ext. papers

8,266
ext. citations

5.8
avg. IF

5.66
L-index

#	Paper	IF	Citations
118	MDS clinical diagnostic criteria for Parkinson's disease. <i>Movement Disorders</i> , 2015 , 30, 1591-601	7	2371
117	MDS research criteria for prodromal Parkinson's disease. <i>Movement Disorders</i> , 2015 , 30, 1600-11	7	645
116	The Asia-Pacific Clinical Practice Guidelines for the Management of Frailty. <i>Journal of the American Medical Directors Association</i> , 2017 , 18, 564-575	5.9	227
115	Motor automaticity in Parkinson's disease. <i>Neurobiology of Disease</i> , 2015 , 82, 226-234	7.5	169
114	Identification of TMEM230 mutations in familial Parkinson's disease. <i>Nature Genetics</i> , 2016 , 48, 733-9	36.3	122
113	Validation of the MDS clinical diagnostic criteria for Parkinson's disease. <i>Movement Disorders</i> , 2018 , 33, 1601-1608	7	101
112	Aging and the nigrostriatal dopamine system: a non-human primate study. <i>Experimental Neurology</i> , 1994 , 3, 251-65		98
111	Loss of MAP function leads to hippocampal synapse loss and deficits in the Morris Water Maze with aging. <i>Journal of Neuroscience</i> , 2014 , 34, 7124-36	6.6	90
110	ASSOCIATION OF SOCIAL FRAILITY WITH PHYSICAL FUNCTION AND NEUROPSYCHOLOGICAL STATUS AMONG OLDER ADULTS. <i>Innovation in Aging</i> , 2018 , 2, 829-829	0.1	78
109	Gradual Disturbances of the Amplitude of Low-Frequency Fluctuations (ALFF) and Fractional ALFF in Alzheimer Spectrum. <i>Frontiers in Neuroscience</i> , 2018 , 12, 975	5.1	75
108	Attention to Automatic Movements in Parkinson's Disease: Modified Automatic Mode in the Striatum. <i>Cerebral Cortex</i> , 2015 , 25, 3330-42	5.1	72
107	Parkinson disease with REM sleep behavior disorder: features, α -synuclein, and inflammation. <i>Neurology</i> , 2015 , 84, 888-94	6.5	63
106	Clinical profiles of Parkinson's disease associated with common leucine-rich repeat kinase 2 and glucocerebrosidase genetic variants in Chinese individuals. <i>Neurobiology of Aging</i> , 2014 , 35, 725.e1-6	5.6	60
105	Prevalence and Incidence of Frailty in Community-Dwelling Older People: Beijing Longitudinal Study of Aging II. <i>Journal of the American Geriatrics Society</i> , 2016 , 64, 1281-6	5.6	60
104	Differentiation of human induced pluripotent stem cells to mature functional Purkinje neurons. <i>Scientific Reports</i> , 2015 , 5, 9232	4.9	59
103	Prevalence of Frailty and Associated Factors in the Community-Dwelling Population of China. <i>Journal of the American Geriatrics Society</i> , 2018 , 66, 559-564	5.6	58
102	Tea polyphenols alleviate motor impairments, dopaminergic neuronal injury, and cerebral α -synuclein aggregation in MPTP-intoxicated parkinsonian monkeys. <i>Neuroscience</i> , 2015 , 286, 383-92	3.9	53

101	Chemical screen identifies a geroprotective role of quercetin in premature aging. <i>Protein and Cell</i> , 2019 , 10, 417-435	7.2	51
100	Penetrance of LRRK2 G2385R and R1628P is modified by common PD-associated genetic variants. <i>Parkinsonism and Related Disorders</i> , 2012 , 18, 958-63	3.6	49
99	Up-regulation of FOXD1 by YAP alleviates senescence and osteoarthritis. <i>PLoS Biology</i> , 2019 , 17, e3000201	9.7	48
98	Neural correlates underlying micrographia in Parkinson's disease. <i>Brain</i> , 2016 , 139, 144-60	11.2	45
97	The prevalence and incidence of frailty in Pre-diabetic and diabetic community-dwelling older population: results from Beijing longitudinal study of aging II (BLSA-II). <i>BMC Geriatrics</i> , 2017 , 17, 47	4.1	45
96	Serotonergic dysfunctions and abnormal iron metabolism: Relevant to mental fatigue of Parkinson disease. <i>Scientific Reports</i> , 2016 , 6, 19	4.9	45
95	Increased oligomerization and phosphorylation of β -synuclein are associated with decreased activity of glucocerebrosidase and protein phosphatase 2A in aging monkey brains. <i>Neurobiology of Aging</i> , 2015 , 36, 2649-59	5.6	44
94	Stabilizing heterochromatin by DGCR8 alleviates senescence and osteoarthritis. <i>Nature Communications</i> , 2019 , 10, 3329	17.4	41
93	Prevalence of frailty and contributory factors in three Chinese populations with different socioeconomic and healthcare characteristics. <i>BMC Geriatrics</i> , 2015 , 15, 163	4.1	40
92	FOXO3-Engineered Human ESC-Derived Vascular Cells Promote Vascular Protection and Regeneration. <i>Cell Stem Cell</i> , 2019 , 24, 447-461.e8	18	39
91	Differential stem cell aging kinetics in Hutchinson-Gilford progeria syndrome and Werner syndrome. <i>Protein and Cell</i> , 2018 , 9, 333-350	7.2	38
90	Pyrosequencing analysis of SNCA methylation levels in leukocytes from Parkinson's disease patients. <i>Neuroscience Letters</i> , 2014 , 569, 85-8	3.3	37
89	Motoric Cognitive Risk Syndrome: Predictor of Dementia and Age-Related Negative Outcomes. <i>Frontiers in Medicine</i> , 2017 , 4, 166	4.9	37
88	Autologous iPSC-derived dopamine neuron transplantation in a nonhuman primate Parkinson's disease model. <i>Cell Discovery</i> , 2015 , 1, 15012	22.3	36
87	ATF6 safeguards organelle homeostasis and cellular aging in human mesenchymal stem cells. <i>Cell Discovery</i> , 2018 , 4, 2	22.3	35
86	Ganoderma lucidum extract ameliorates MPTP-induced parkinsonism and protects dopaminergic neurons from oxidative stress via regulating mitochondrial function, autophagy, and apoptosis. <i>Acta Pharmacologica Sinica</i> , 2019 , 40, 441-450	8	34
85	Ganoderma lucidum Protects Dopaminergic Neuron Degeneration through Inhibition of Microglial Activation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011 , 2011, 156810	2.3	33
84	Parkinson's disease-related spatial covariance pattern identified with resting-state functional MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1764-70	7.3	32

83	Altered resting-state brain activity in Parkinson's disease patients with freezing of gait. <i>Scientific Reports</i> , 2017 , 7, 16711	4.9	31
82	A silicon based implantable microelectrode array for electrophysiological and dopamine recording from cortex to striatum in the non-human primate brain. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 53-61	11.8	30
81	Understanding the Physiological Links Between Physical Frailty and Cognitive Decline 2020 , 11, 405-418		30
80	Waist circumference is a better predictor of risk for frailty than BMI in the community-dwelling elderly in Beijing. <i>Aging Clinical and Experimental Research</i> , 2018 , 30, 1319-1325	4.8	29
79	Real-time simultaneous recording of electrophysiological activities and dopamine overflow in the deep brain nuclei of a non-human primate with Parkinson's disease using nano-based microelectrode arrays. <i>Microsystems and Nanoengineering</i> , 2018 , 4,	7.7	28
78	Genetic enhancement in cultured human adult stem cells conferred by a single nucleotide recoding. <i>Cell Research</i> , 2017 , 27, 1178-1181	24.7	28
77	Cognitive Frailty in China: Results from China Comprehensive Geriatric Assessment Study. <i>Frontiers in Medicine</i> , 2017 , 4, 174	4.9	26
76	Iron deposition in substantia nigra: abnormal iron metabolism, neuroinflammatory mechanism and clinical relevance. <i>Scientific Reports</i> , 2017 , 7, 14973	4.9	25
75	Postural sway in patients with early Parkinson's disease performing cognitive tasks while standing. <i>Neurological Research</i> , 2018 , 40, 491-498	2.7	24
74	Contemporary epidemiology of gout and hyperuricemia in community elderly in Beijing. <i>International Journal of Rheumatic Diseases</i> , 2014 , 17, 400-7	2.3	24
73	Association of Catechol-O-Methyltransferase and monoamine oxidase B gene polymorphisms with motor complications in parkinson's disease in a Chinese population. <i>Parkinsonism and Related Disorders</i> , 2014 , 20, 1041-5	3.6	23
72	Levodopa Effect on Basal Ganglia Motor Circuit in Parkinson's Disease. <i>CNS Neuroscience and Therapeutics</i> , 2017 , 23, 76-86	6.8	23
71	Heterogeneity among patients with Parkinson's disease: cluster analysis and genetic association. <i>Journal of the Neurological Sciences</i> , 2015 , 351, 41-45	3.2	21
70	Evaluation of the Risk Prediction Tools for Patients With Coronavirus Disease 2019 in Wuhan, China: A Single-Centered, Retrospective, Observational Study. <i>Critical Care Medicine</i> , 2020 , 48, e1004-e1011	10.1	21
69	Phenotype of postural instability/gait difficulty in Parkinson disease: relevance to cognitive impairment and mechanism relating pathological proteins and neurotransmitters. <i>Scientific Reports</i> , 2017 , 7, 44872	4.9	20
68	The cerebellum in dual-task performance in Parkinson's disease. <i>Scientific Reports</i> , 2017 , 7, 45662	4.9	20
67	High-frequency rTMS over the supplementary motor area improves freezing of gait in Parkinson's disease: a randomized controlled trial. <i>Parkinsonism and Related Disorders</i> , 2019 , 68, 85-90	3.6	20
66	Postural sway in idiopathic rapid eye movement sleep behavior disorder: a potential marker of prodromal Parkinson's disease. <i>Brain Research</i> , 2014 , 1559, 26-32	3.7	20

65	Functional Connectivity of Vim Nucleus in Tremor- and Akinetic-/Rigid-Dominant Parkinson's Disease. <i>CNS Neuroscience and Therapeutics</i> , 2016 , 22, 378-86	6.8	20
64	Combined measurement of plasma cystatin C and low-density lipoprotein cholesterol: A valuable tool for evaluating progressive supranuclear palsy. <i>Parkinsonism and Related Disorders</i> , 2018 , 52, 37-42	3.6	19
63	The impact of long-term exposure to ambient air pollution and second-hand smoke on the onset of Parkinson disease: a review and meta-analysis. <i>Public Health</i> , 2020 , 179, 100-110	4	19
62	Stabilization of heterochromatin by CLOCK promotes stem cell rejuvenation and cartilage regeneration. <i>Cell Research</i> , 2021 , 31, 187-205	24.7	18
61	Risk factors for cognitive impairment in older people with diabetes: a community-based study. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2019 , 10, 2042018819836640	4.5	15
60	Clinical features and dysfunctions of iron metabolism in Parkinson disease patients with hyper echogenicity in substantia nigra: a cross-sectional study. <i>BMC Neurology</i> , 2018 , 18, 9	3.1	15
59	Parkin mutations are rare in patients with young-onset parkinsonism in a US population. <i>Parkinsonism and Related Disorders</i> , 2003 , 9, 309-12	3.6	15
58	Novel Frailty Screening Questionnaire (FSQ) Predicts 8-year Mortality in Older Adults in China. <i>Journal of Frailty & Aging, the</i> , 2019 , 8, 33-38	2.6	15
57	The underlying mechanism of prodromal PD: insights from the parasympathetic nervous system and the olfactory system. <i>Translational Neurodegeneration</i> , 2017 , 6, 4	10.3	14
56	Post-translational modifications of ̢synuclein contribute to neurodegeneration in the colon of elderly individuals. <i>Molecular Medicine Reports</i> , 2016 , 13, 5077-83	2.9	14
55	Age-related decline in motor behavior and striatal dopamine transporter in cynomolgus monkeys. <i>Journal of Neural Transmission</i> , 2012 , 119, 943-52	4.3	13
54	Integrated Care for Older People Screening Tool for Measuring Intrinsic Capacity: Preliminary Findings From ICOPE Pilot in China. <i>Frontiers in Medicine</i> , 2020 , 7, 576079	4.9	13
53	Management Recommendations on Sleep Disturbance of Patients with Parkinson's Disease. <i>Chinese Medical Journal</i> , 2018 , 131, 2976-2985	2.9	13
52	Serum uric acid and impaired cognitive function in community-dwelling elderly in Beijing. <i>Neuroscience Letters</i> , 2017 , 637, 182-187	3.3	12
51	A Multicenter Study of Multimorbidity in Older Adult Inpatients in China. <i>Journal of Nutrition, Health and Aging</i> , 2020 , 24, 269-276	5.2	11
50	Excessive Iron and ̢synuclein Oligomer in Brain are Relevant to Pure Apathy in Parkinson Disease. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2016 , 29, 187-94	3.8	11
49	Parkin dosage mutations in patients with early-onset sporadic and familial Parkinson's disease in Chinese: an independent pathogenic role. <i>Brain Research</i> , 2010 , 1358, 30-8	3.7	11
48	Prevention of Disability in the Frail Chinese Older Population. <i>Journal of Frailty & Aging, the</i> , 2019 , 8, 2-6	2.6	11

47	Altered functional connectivity of the subthalamic nucleus during self-initiated movement in Parkinson's disease. <i>Journal of Neuroradiology</i> , 2018 , 45, 249-255	3.1	10
46	Repetitive transcranial magnetic stimulation improves Parkinson's freezing of gait via normalizing brain connectivity. <i>Npj Parkinson Disease</i> , 2020 , 6, 16	9.7	10
45	Connectome-wide network analysis of white matter connectivity in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019 , 22, 101690	5.3	9
44	Role of β -synuclein in neurodegeneration: implications for the pathogenesis of Parkinson's disease. <i>Essays in Biochemistry</i> , 2014 , 56, 125-35	7.6	9
43	Age-dependent alpha-synuclein accumulation is correlated with elevation of mitochondrial TRPC3 in the brains of monkeys and mice. <i>Journal of Neural Transmission</i> , 2017 , 124, 441-453	4.3	8
42	Simple Physical Activity Index Predicts Prognosis in Older Adults: Beijing Longitudinal Study of Aging. <i>Journal of Nutrition, Health and Aging</i> , 2018 , 22, 854-860	5.2	8
41	Progressive loss of striatal dopamine terminals in MPTP-induced acute parkinsonism in cynomolgus monkeys using vesicular monoamine transporter type 2 PET imaging ([18 F]AV-133). <i>Neuroscience Bulletin</i> , 2014 , 30, 409-16	4.3	8
40	Decreased subregional specificity of the putamen in Parkinson's Disease revealed by dynamic connectivity-derived parcellation. <i>NeuroImage: Clinical</i> , 2018 , 20, 1163-1175	5.3	8
39	Geriatric medicine in China: an old but emerging subspecialty. <i>Age and Ageing</i> , 2021 , 50, 57-58	3	6
38	Prevalence of Parkinson's Disease: A Community-Based Study in China. <i>Movement Disorders</i> , 2021 ,	7	6
37	Different risk factors for cognitive impairment among community-dwelling elderly, with impaired fasting glucose or diabetes. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019 , 12, 121-130	3.4	5
36	Poor self-perceived health is associated with frailty and prefrailty in urban living older adults: A cross-sectional analysis. <i>Geriatric Nursing</i> , 2020 , 41, 754-760	2.1	5
35	Structural and functional brain alterations in patients with idiopathic rapid eye movement sleep behavior disorder. <i>Journal of Neuroradiology</i> , 2020 , 49, 66-66	3.1	5
34	An integrated system for synchronous detection of neuron spikes and dopamine activities in the striatum of Parkinson monkey brain. <i>Journal of Neuroscience Methods</i> , 2018 , 304, 83-91	3	5
33	Prevalence of pre-diagnostic symptoms did not differ between LRRK2-related, GBA-related and idiopathic patients with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2018 , 57, 72-76	3.6	5
32	Motoric Cognitive Risk Syndrome in a Chinese Older Adult Population: Prevalence and Associated Factors. <i>Journal of the American Medical Directors Association</i> , 2020 , 21, 136-137	5.9	5
31	Plasma immune markers in an idiopathic REM sleep behavior disorder cohort. <i>Parkinsonism and Related Disorders</i> , 2020 , 78, 145-150	3.6	5
30	Validation of the utility of the Brief Smell Identification Test in Chinese patients with Parkinson's disease. <i>Journal of Clinical Neuroscience</i> , 2019 , 60, 68-72	2.2	5

29	Reliability and validity of the self-reported frailty screening questionnaire in older adults. <i>Therapeutic Advances in Chronic Disease</i> , 2020 , 11, 2040622320904278	4.9	4
28	MPTP Induces Systemic Parkinsonism in Middle-Aged Cynomolgus Monkeys: Clinical Evolution and Outcomes. <i>Neuroscience Bulletin</i> , 2017 , 33, 17-27	4.3	4
27	Decreased Penetrance of Parkinson's Disease in Elderly Carriers of Glucocerebrosidase Gene L444P/R Mutations: A Community-Based 10-Year Longitudinal Study. <i>Movement Disorders</i> , 2020 , 35, 6727-678	4.7	4
26	High-frequency repetitive transcranial magnetic stimulation over the primary motor cortex relieves musculoskeletal pain in patients with Parkinson's disease: A randomized controlled trial. <i>Parkinsonism and Related Disorders</i> , 2020 , 80, 113-119	3.6	4
25	The Prevalence and Clinical Characteristics of Essential Tremor in Elderly Chinese: A Population-Based Study. <i>Journal of Nutrition, Health and Aging</i> , 2020 , 24, 1061-1065	5.2	4
24	Risk of mini-mental state examination (MMSE) decline in the elderly with type 2 diabetes: a Chinese community-based cohort study. <i>BMC Endocrine Disorders</i> , 2020 , 20, 129	3.3	4
23	Intrinsic Capacity vs. Multimorbidity: A Function-Centered Construct Predicts Disability Better Than a Disease-Based Approach in a Community-Dwelling Older Population Cohort. <i>Frontiers in Medicine</i> , 2021 , 8, 753295	4.9	4
22	Validation of a new olfactory test for Chinese Parkinson's disease patients. <i>Journal of Clinical Neuroscience</i> , 2020 , 76, 31-35	2.2	3
21	Risk factors for possible REM sleep behavior disorders: A community-based study in Beijing. <i>Neurology</i> , 2020 , 95, e2214-e2224	6.5	3
20	Education Moderates the Association of Probable REM Sleep Behavior Disorder With Cognitive and Motor Impairments in Community-Dwelling Older People. <i>Frontiers in Neurology</i> , 2020 , 11, 109	4.1	2
19	Early morning off in patients with Parkinson's disease: a Chinese nationwide study and a 7-question screening scale. <i>Translational Neurodegeneration</i> , 2020 , 9, 29	10.3	2
18	Visual dysfunction in patients with idiopathic rapid eye movement sleep behavior disorder. <i>Neuroscience Letters</i> , 2019 , 709, 134360	3.3	2
17	Low-dose chloroquine treatment extends the lifespan of aged rats.. <i>Protein and Cell</i> , 2022 , 1	7.2	2
16	Detection of Motor Dysfunction With Wearable Sensors in Patients With Idiopathic Rapid Eye Movement Disorder. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 627481	5.8	2
15	Frailty in China: From Research to Practice. <i>Journal of Nutrition, Health and Aging</i> , 2021 , 25, 479-483	5.2	2
14	Striatal Subdivisions Estimated via Deep Embedded Clustering With Application to Parkinson's Disease. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 3564-3575	7.2	2
13	Associations between homocysteine, inflammatory cytokines and sarcopenia in Chinese older adults with type 2 diabetes.. <i>BMC Geriatrics</i> , 2021 , 21, 692	4.1	2
12	Progressive supranuclear palsy presenting with hyperkinetic movement disorder and hemiplegic dystonia: a case report. <i>International Journal of Neuroscience</i> , 2020 , 130, 1278-1281	2	1

11	Reply to the letter "Waist circumference or sarcopenic obesity; which is more predictive?". <i>Aging Clinical and Experimental Research</i> , 2019 , 31, 1539-1540	4.8	1
10	Altered Functional Segregated Sensorimotor, Associative, and Limbic Cortical-Striatal Connections in Parkinson's Disease: An fMRI Investigation. <i>Frontiers in Neurology</i> , 2021 , 12, 720293	4.1	1
9	Changes of Amide Proton Transfer Imaging in Multiple System Atrophy Parkinsonism Type. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 572421	5.3	1
8	Postural Tremor Is Associated with Gait and Balance Impairments in Community-Dwelling Older People. <i>Journal of the American Geriatrics Society</i> , 2019 , 67, 799-803	5.6	1
7	Functional localization in the brain of a cynomolgus monkey based on spike pattern recognition with machine learning. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 1	3.7	1
6	Hypomethylation of SNCA in Idiopathic REM Sleep Behavior Disorder Associated With Phenoconversion. <i>Movement Disorders</i> , 2021 , 36, 955-962	7	1
5	Severity of frailty as a significant predictor of mortality for hemodialysis patients: a prospective study in China. <i>International Journal of Medical Sciences</i> , 2021 , 18, 3309-3317	3.7	1
4	Altered Cerebellar Resting-State Functional Connectivity in Early-Stage Parkinson's Disease Patients With Cognitive Impairment. <i>Frontiers in Neurology</i> , 2021 , 12, 678013	4.1	1
3	The influence of probable rapid eye movement sleep behavior disorder and sleep insufficiency on fall risk in a community-dwelling elderly population. <i>BMC Geriatrics</i> , 2021 , 21, 606	4.1	0
2	Apolipoprotein E Polymorphism and Frailty: Apolipoprotein ϵ Allele Is Associated with Fatigue but Not Frailty Syndrome in a Community-Dwelling Older Population Cohort. <i>Journal of Nutrition, Health and Aging</i> , 2021 , 25, 410-415	5.2	0
1	Alterations of Striatal Subregions in a Prion Protein Gene V180I Mutation Carrier Presented as Frontotemporal Dementia With Parkinsonism.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 830602	5.3	