

Piu Chan

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

10,136
citations

81743

39
h-index

39575

94
g-index

120
all docs

120
docs citations

120
times ranked

11964
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2023, 14, 15469-15476.	3.3	1
2	Structural and functional brain alterations in patients with idiopathic rapid eye movement sleep behavior disorder. <i>Journal of Neuroradiology</i> , 2022, 49, 66-72.	0.6	20
3	Low-dose chloroquine treatment extends the lifespan of aged rats. <i>Protein and Cell</i> , 2022, 13, 454-461.	4.8	9
4	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.	1.7	0
5	Stabilization of heterochromatin by CLOCK promotes stem cell rejuvenation and cartilage regeneration. <i>Cell Research</i> , 2021, 31, 187-205.	5.7	67
6	Geriatric medicine in China: an old but emerging subspecialty. <i>Age and Ageing</i> , 2021, 50, 57-58.	0.7	9
7	Hypomethylation of SNCA in Idiopathic REM Sleep Behavior Disorder Associated With Phenoconversion. <i>Movement Disorders</i> , 2021, 36, 955-962.	2.2	4
8	Apolipoprotein E Polymorphism and Frailty: Apolipoprotein ϵ 4 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.	1.5	3
9	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.	1.1	8
10	Frailty in China: From Research to Practice. <i>Journal of Nutrition, Health and Aging</i> , 2021, 25, 479-483.	1.5	8
11	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.	2.0	6
12	Prevalence of Parkinson's Disease: A Community-Based Study in China. <i>Movement Disorders</i> , 2021, 36, 2940-2944.	2.2	41
13	Altered Cerebellar Resting-State Functional Connectivity in Early-Stage Parkinson's Disease Patients With Cognitive Impairment. <i>Frontiers in Neurology</i> , 2021, 12, 678013.	1.1	4
14	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.	1.2	29
15	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.	3.9	6
16	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.	1.1	3
17	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.	1.1	3
18	Associations between homocysteine, inflammatory cytokines and sarcopenia in Chinese older adults with type 2 diabetes. <i>BMC Geriatrics</i> , 2021, 21, 692.	1.1	13

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19	Understanding the Physiological Links Between Physical Frailty and Cognitive Decline. , 2020, 11, 405.		62
20	Motoric Cognitive Risk Syndrome in a Chinese Older Adult Population: Prevalence and Associated Factors. Journal of the American Medical Directors Association, 2020, 21, 136-137.	1.2	14
21	Decreased Penetrance of Parkinson's Disease in Elderly Carriers of Glucocerebrosidase Gene L444P/R Mutations: A Community-Based 10-Year Longitudinal Study. Movement Disorders, 2020, 35, 672-678.	2.2	8
22	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. Public Health, 2020, 179, 100-110.	1.4	36
23	Evaluation of the Risk Prediction Tools for Patients With Coronavirus Disease 2019 in Wuhan, China: A Single-Centered, Retrospective, Observational Study*. Critical Care Medicine, 2020, 48, e1004-e1011.	0.4	31
24	High-frequency repetitive transcranial magnetic stimulation over the primary motor cortex relieves musculoskeletal pain in patients with Parkinson's disease: A randomized controlled trial. Parkinsonism and Related Disorders, 2020, 80, 113-119.	1.1	24
25	Integrated Care for Older People Screening Tool for Measuring Intrinsic Capacity: Preliminary Findings From ICOPE Pilot in China. Frontiers in Medicine, 2020, 7, 576079.	1.2	54
26	Repetitive transcranial magnetic stimulation improves Parkinson's freezing of gait via normalizing brain connectivity. Npj Parkinson's Disease, 2020, 6, 16.	2.5	31
27	Plasma immune markers in an idiopathic REM sleep behavior disorder cohort. Parkinsonism and Related Disorders, 2020, 78, 145-150.	1.1	22
28	The Prevalence and Clinical Characteristics of Essential Tremor in Elderly Chinese: A Population-Based Study. Journal of Nutrition, Health and Aging, 2020, 24, 1061-1065.	1.5	4
29	Changes of Amide Proton Transfer Imaging in Multiple System Atrophy Parkinsonism Type. Frontiers in Aging Neuroscience, 2020, 12, 572421.	1.7	2
30	Risk of mini-mental state examination (MMSE) decline in the elderly with type 2 diabetes: a Chinese community-based cohort study. BMC Endocrine Disorders, 2020, 20, 129.	0.9	7
31	Risk factors for possible REM sleep behavior disorders. Neurology, 2020, 95, e2214-e2224.	1.5	13
32	Validation of a new olfactory test for Chinese Parkinson's disease patients. Journal of Clinical Neuroscience, 2020, 76, 31-35.	0.8	6
33	Poor self-perceived health is associated with frailty and prefrailty in urban living older adults: A cross-sectional analysis. Geriatric Nursing, 2020, 41, 754-760.	0.9	12
34	Education Moderates the Association of Probable REM Sleep Behavior Disorder With Cognitive and Motor Impairments in Community-Dwelling Older People. Frontiers in Neurology, 2020, 11, 109.	1.1	3
35	Early morning off in patients with Parkinson's disease: a Chinese nationwide study and a 7-question screening scale. Translational Neurodegeneration, 2020, 9, 29.	3.6	4
36	Progressive supranuclear palsy presenting with hyperkinetic movement disorder and hemiplegic dystonia: a case report. International Journal of Neuroscience, 2020, 130, 1278-1281.	0.8	1

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37	Reliability and validity of the self-reported frailty screening questionnaire in older adults. <i>Therapeutic Advances in Chronic Disease</i> , 2020, 11, 204062232090427.	1.1	11
38	A Multicenter Study of Multimorbidity in Older Adult Inpatients in China. <i>Journal of Nutrition, Health and Aging</i> , 2020, 24, 269-276.	1.5	27
39	NOVEL FRAILTY SCREENING QUESTIONNAIRE (FSQ) PREDICTS 8-YEAR MORTALITY IN OLDER ADULTS IN CHINA. <i>Journal of Frailty & Aging, the</i> , 2019, 8, 1-7.	0.8	24
40	Chemical screen identifies a geroprotective role of quercetin in premature aging. <i>Protein and Cell</i> , 2019, 10, 417-435.	4.8	88
41	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.	2.8	65
42	Reply to the letter "Waist circumference or sarcopenic obesity; which is more predictive?" <i>Aging Clinical and Experimental Research</i> , 2019, 31, 1539-1540.	1.4	1
43	Stabilizing heterochromatin by DGCR8 alleviates senescence and osteoarthritis. <i>Nature Communications</i> , 2019, 10, 3329.	5.8	82
44	Visual dysfunction in patients with idiopathic rapid eye movement sleep behavior disorder. <i>Neuroscience Letters</i> , 2019, 709, 134360.	1.0	8
45	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.	1.1	39
46	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, Volume 12, 121-130.	1.1	17
47	Risk factors for cognitive impairment in older people with diabetes: a community-based study. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2019, 10, 204201881983664.	1.4	23
48	Up-regulation of FOXD1 by YAP alleviates senescence and osteoarthritis. <i>PLoS Biology</i> , 2019, 17, e3000201.	2.6	104
49	Connectome-wide network analysis of white matter connectivity in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019, 22, 101690.	1.4	24
50	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.	1.3	3
51	FOXO3-Engineered Human ESC-Derived Vascular Cells Promote Vascular Protection and Regeneration. <i>Cell Stem Cell</i> , 2019, 24, 447-461.e8.	5.2	78
52	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.	0.8	12
53	Differential stem cell aging kinetics in Hutchinson-Gilford progeria syndrome and Werner syndrome. <i>Protein and Cell</i> , 2018, 9, 333-350.	4.8	56
54	Altered functional connectivity of the subthalamic nucleus during self-initiated movement in Parkinson's disease. <i>Journal of Neuroradiology</i> , 2018, 45, 249-255.	0.6	23

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55	ATF6 safeguards organelle homeostasis and cellular aging in human mesenchymal stem cells. <i>Cell Discovery</i> , 2018, 4, 2.	3.1	49
56	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, .	3.4	41
57	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.	1.3	14
58	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.	1.4	53
59	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.	1.1	23
60	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.	1.3	103
61	ASSOCIATION OF SOCIAL FRAILTY WITH PHYSICAL FUNCTION AND NEUROPSYCHOLOGICAL STATUS AMONG OLDER ADULTS. <i>Innovation in Aging</i> , 2018, 2, 829-829.	0.0	0
62	PREVENTION OF DISABILITY IN THE FRAIL CHINESE OLDER POPULATION. <i>Journal of Frailty & Aging</i> , 2018, 8, 1-4.	0.8	15
63	Management Recommendations on Sleep Disturbance of Patients with Parkinson's Disease. <i>Chinese Medical Journal</i> , 2018, 131, 2976-2985.	0.9	24
64	Gradual Disturbances of the Amplitude of Low-Frequency Fluctuations (ALFF) and Fractional ALFF in Alzheimer Spectrum. <i>Frontiers in Neuroscience</i> , 2018, 12, 975.	1.4	135
65	Decreased subregional specificity of the putamen in Parkinson's Disease revealed by dynamic connectivity-derived parcellation. <i>NeuroImage: Clinical</i> , 2018, 20, 1163-1175.	1.4	20
66	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.	0.8	27
67	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.	1.5	12
68	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.	1.1	6
69	Validation of the MDS clinical diagnostic criteria for Parkinson's disease. <i>Movement Disorders</i> , 2018, 33, 1601-1608.	2.2	171
70	Postural sway in patients with early Parkinson's disease performing cognitive tasks while standing. <i>Neurological Research</i> , 2018, 40, 491-498.	0.6	35
71	Serum uric acid and impaired cognitive function in community-dwelling elderly in Beijing. <i>Neuroscience Letters</i> , 2017, 637, 182-187.	1.0	25
72	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.	1.6	27

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73	The underlying mechanism of prodromal PD: insights from the parasympathetic nervous system and the olfactory system. <i>Translational Neurodegeneration</i> , 2017, 6, 4.	3.6	19
74	The cerebellum in dual-task performance in Parkinson's disease. <i>Scientific Reports</i> , 2017, 7, 45662.	1.6	29
75	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.	1.4	12
76	Altered resting-state brain activity in Parkinson's disease patients with freezing of gait. <i>Scientific Reports</i> , 2017, 7, 16711.	1.6	53
77	Iron deposition in substantia nigra: abnormal iron metabolism, neuroinflammatory mechanism and clinical relevance. <i>Scientific Reports</i> , 2017, 7, 14973.	1.6	40
78	The Asia-Pacific Clinical Practice Guidelines for the Management of Frailty. <i>Journal of the American Medical Directors Association</i> , 2017, 18, 564-575.	1.2	408
79	Genetic enhancement in cultured human adult stem cells conferred by a single nucleotide recoding. <i>Cell Research</i> , 2017, 27, 1178-1181.	5.7	40
80	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.	1.1	68
81	Levodopa Effect on Basal Ganglia Motor Circuit in Parkinson's Disease. <i>CNS Neuroscience and Therapeutics</i> , 2017, 23, 76-86.	1.9	33
82	MPTP Induces Systemic Parkinsonism in Middle-Aged Cynomolgus Monkeys: Clinical Evolution and Outcomes. <i>Neuroscience Bulletin</i> , 2017, 33, 17-27.	1.5	5
83	Motoric Cognitive Risk Syndrome: Predictor of Dementia and Age-Related Negative Outcomes. <i>Frontiers in Medicine</i> , 2017, 4, 166.	1.2	54
84	Cognitive Frailty in China: Results from China Comprehensive Geriatric Assessment Study. <i>Frontiers in Medicine</i> , 2017, 4, 174.	1.2	52
85	Prevalence and Incidence of Frailty in Community-Dwelling Older People: Beijing Longitudinal Study of Aging. <i>Journal of the American Geriatrics Society</i> , 2016, 64, 1281-1286.	1.3	77
86	Functional Connectivity of Vim Nucleus in Tremor- and Akinetic-Rigid-Dominant Parkinson's Disease. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 378-386.	1.9	27
87	Serotonergic dysfunctions and abnormal iron metabolism: Relevant to mental fatigue of Parkinson disease. <i>Scientific Reports</i> , 2016, 6, 19.	1.6	72
88	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.	5.3	46
89	Identification of TMEM230 mutations in familial Parkinson's disease. <i>Nature Genetics</i> , 2016, 48, 733-739.	9.4	146
90	Post-translational modifications of α -synuclein contribute to neurodegeneration in the colon of elderly individuals. <i>Molecular Medicine Reports</i> , 2016, 13, 5077-5083.	1.1	14

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91	Excessive Iron and α -Synuclein Oligomer in Brain are Relevant to Pure Apathy in Parkinson Disease. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2016, 29, 187-194.	1.2	18
92	Neural correlates underlying micrographia in Parkinson's disease. <i>Brain</i> , 2016, 139, 144-160.	3.7	72
93	MDS research criteria for prodromal Parkinson's disease. <i>Movement Disorders</i> , 2015, 30, 1600-1611.	2.2	1,033
94	Autologous iPSC-derived dopamine neuron transplantation in a nonhuman primate Parkinson's disease model. <i>Cell Discovery</i> , 2015, 1, 15012.	3.1	49
95	Prevalence of frailty and contributory factors in three Chinese populations with different socioeconomic and healthcare characteristics. <i>BMC Geriatrics</i> , 2015, 15, 163.	1.1	50
96	Parkinson's Disease-Related Spatial Covariance Pattern Identified with Resting-State Functional MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1764-1770.	2.4	43
97	MDS clinical diagnostic criteria for Parkinson's disease. <i>Movement Disorders</i> , 2015, 30, 1591-1601.	2.2	4,389
98	Attention to Automatic Movements in Parkinson's Disease: Modified Automatic Mode in the Striatum. <i>Cerebral Cortex</i> , 2015, 25, 3330-3342.	1.6	86
99	Increased oligomerization and phosphorylation of α -synuclein are associated with decreased activity of glucocerebrosidase and protein phosphatase 2A in aging monkey brains. <i>Neurobiology of Aging</i> , 2015, 36, 2649-2659.	1.5	54
100	Motor automaticity in Parkinson's disease. <i>Neurobiology of Disease</i> , 2015, 82, 226-234.	2.1	238
101	Heterogeneity among patients with Parkinson's disease: Cluster analysis and genetic association. <i>Journal of the Neurological Sciences</i> , 2015, 351, 41-45.	0.3	29
102	Differentiation of human induced pluripotent stem cells to mature functional Purkinje neurons. <i>Scientific Reports</i> , 2015, 5, 9232.	1.6	82
103	Parkinson disease with REM sleep behavior disorder. <i>Neurology</i> , 2015, 84, 888-894.	1.5	77
104	Tea polyphenols alleviate motor impairments, dopaminergic neuronal injury, and cerebral α -synuclein aggregation in MPTP-intoxicated parkinsonian monkeys. <i>Neuroscience</i> , 2015, 286, 383-392.	1.1	81
105	Contemporary epidemiology of gout and hyperuricemia in community elderly in Beijing. <i>International Journal of Rheumatic Diseases</i> , 2014, 17, 400-407.	0.9	28
106	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.	1.1	29
107	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.e1-725.e6.	1.5	72
108	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, 1041-1045.	1.1	30

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109	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, 7124-7136.	1.7	120
110	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, 409-416.	1.5	8
111	Pyrosequencing analysis of SNCA methylation levels in leukocytes from Parkinson's disease patients. <i>Neuroscience Letters</i> , 2014, 569, 85-88.	1.0	44
112	Role of α -synuclein in neurodegeneration: implications for the pathogenesis of Parkinson's disease. <i>Essays in Biochemistry</i> , 2014, 56, 125-135.	2.1	9
113	Penetrance of LRRK2 G2385R and R1628P is modified by common PD-associated genetic variants. <i>Parkinsonism and Related Disorders</i> , 2012, 18, 958-963.	1.1	73
114	Age-related decline in motor behavior and striatal dopamine transporter in cynomolgus monkeys. <i>Journal of Neural Transmission</i> , 2012, 119, 943-952.	1.4	15
115	<i>Ganoderma lucidum</i> Protects Dopaminergic Neuron Degeneration through Inhibition of Microglial Activation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-9.	0.5	41
116	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, 30-38.	1.1	13
117	DISCRIMINATIVE ANALYSIS OF NEUROMYELITIS OPTICA USING TWODIMENSIONAL HISTOGRAM FROM DIFFUSION TENSOR IMAGING. , 2007, , .		0
118	Parkin mutations are rare in patients with young-onset parkinsonism in a US population. <i>Parkinsonism and Related Disorders</i> , 2003, 9, 309-312.	1.1	21
119	Ageing and the nigrostriatal dopamine system: a non-human primate study. <i>Experimental Neurology</i> , 1994, 3, 251-65.	1.7	104