

Jie Xu

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.

93
papers

3,587
citations

20
h-index

59
g-index

106
ext. papers

5,218
ext. citations

7.4
avg, IF

5.25
L-index

#	Paper	IF	Citations
93	Identifying Medical Diagnoses and Treatable Diseases by Image-Based Deep Learning. <i>Cell</i> , 2018 , 172, 1122-1131.e9	56.2	1563
92	The practical implementation of artificial intelligence technologies in medicine. <i>Nature Medicine</i> , 2019 , 25, 30-36	50.5	477
91	Evaluation and accurate diagnoses of pediatric diseases using artificial intelligence. <i>Nature Medicine</i> , 2019 , 25, 433-438	50.5	206
90	Dietary trimethylamine N-oxide exacerbates impaired glucose tolerance in mice fed a high fat diet. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 118, 476-81	3.3	191
89	Subfoveal choroidal thickness in diabetes and diabetic retinopathy. <i>Ophthalmology</i> , 2013 , 120, 2023-8	7.3	137
88	Association of hypertension with stroke recurrence depends on ischemic stroke subtype. <i>Stroke</i> , 2013 , 44, 1232-7	6.7	74
87	Prevalence and risk factors for diabetic retinopathy: the Beijing Communities Diabetes Study 6. <i>Retina</i> , 2012 , 32, 322-9	3.6	69
86	Glaucoma diagnosis based on both hidden features and domain knowledge through deep learning models. <i>Knowledge-Based Systems</i> , 2018 , 161, 147-156	7.3	61
85	Ten-Year Progression of Myopic Maculopathy: The Beijing Eye Study 2001-2011. <i>Ophthalmology</i> , 2018 , 125, 1253-1263	7.3	57
84	Fundus Tessellation: Prevalence and Associated Factors: The Beijing Eye Study 2011. <i>Ophthalmology</i> , 2015 , 122, 1873-80	7.3	52
83	Asymptomatic polyvascular abnormalities in community (APAC) study in China: objectives, design and baseline characteristics. <i>PLoS ONE</i> , 2013 , 8, e84685	3.7	50
82	Visit-to-Visit Variability of Fasting Plasma Glucose and the Risk of Cardiovascular Disease and All-Cause Mortality in the General Population. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	41
81	Ten-year cumulative incidence of diabetic retinopathy. The Beijing Eye Study 2001/2011. <i>PLoS ONE</i> , 2014 , 9, e111320	3.7	41
80	Dual Roles of Oxidative Stress in Metal Carcinogenesis. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2017 , 36, 345-376	2.1	35
79	Current status and future trends of clinical diagnoses via image-based deep learning. <i>Theranostics</i> , 2019 , 9, 7556-7565	12.1	33
78	Prevalence, knowledge, and treatment of transient ischemic attacks in China. <i>Neurology</i> , 2015 , 84, 2354-61	6.5	32
77	Chinese Stroke Association guidelines for clinical management of cerebrovascular disorders: executive summary and 2019 update of clinical management of ischaemic cerebrovascular diseases. <i>Stroke and Vascular Neurology</i> , 2020 , 5, 159-176	9.1	32

76	Prevalence and associated factors of diabetic retinopathy in Beijing, China: a cross-sectional study. <i>BMJ Open</i> , 2017 , 7, e015473	3	31
75	Polypoidal choroidal vasculopathy in adult chinese: the Beijing Eye Study. <i>Ophthalmology</i> , 2014 , 121, 2290-1	7.3	25
74	Trajectories of childhood BMI and adult diabetes: the Bogalusa Heart Study. <i>Diabetologia</i> , 2019 , 62, 70-77	10.3	20
73	Diabetic retinopathy and estimated cerebrospinal fluid pressure. The Beijing Eye Study 2011. <i>PLoS ONE</i> , 2014 , 9, e96273	3.7	18
72	Upregulation of microRNA-17-5p contributes to hypoxia-induced proliferation in human pulmonary artery smooth muscle cells through modulation of p21 and PTEN. <i>Respiratory Research</i> , 2018 , 19, 200	7.3	18
71	Severity of Nonalcoholic Fatty Liver Disease and Risk of Future Ischemic Stroke Events. <i>Stroke</i> , 2021 , 52, 103-110	6.7	17
70	Deep-learning models for the detection and incidence prediction of chronic kidney disease and type 2 diabetes from retinal fundus images. <i>Nature Biomedical Engineering</i> , 2021 , 5, 533-545	19	16
69	Safety and efficacy of Edaravone Dexborneol versus edaravone for patients with acute ischaemic stroke: a phase II, multicentre, randomised, double-blind, multiple-dose, active-controlled clinical trial. <i>Stroke and Vascular Neurology</i> , 2019 , 4, 109-114	9.1	14
68	The design, rationale, and baseline characteristics of a nationwide cohort registry in China: blood pressure and clinical outcome in TIA or ischemic stroke. <i>Patient Preference and Adherence</i> , 2016 , 10, 2419-2427	3.4	14
67	Impact of a better persistence with antihypertensive agents on ischemic stroke outcomes for secondary prevention. <i>PLoS ONE</i> , 2013 , 8, e65233	3.7	13
66	Ticagrelor versus Clopidogrel in Loss-of-Function Carriers with Stroke or TIA. <i>New England Journal of Medicine</i> , 2021 ,	59.2	13
65	A new convolutional neural network model for peripapillary atrophy area segmentation from retinal fundus images. <i>Applied Soft Computing Journal</i> , 2020 , 86, 105890	7.5	13
64	Aggravation effect of isoflurane on A β (25-35)-induced apoptosis and tau hyperphosphorylation in PC12 cells. <i>Cellular and Molecular Neurobiology</i> , 2012 , 32, 1343-51	4.6	11
63	Efficacy of clopidogrel for stroke depends on CYP2C19 genotype and risk profile. <i>Annals of Neurology</i> , 2019 , 86, 419-426	9.4	10
62	Edaravone Dexborneol Versus Edaravone Alone for the Treatment of Acute Ischemic Stroke: A Phase III, Randomized, Double-Blind, Comparative Trial. <i>Stroke</i> , 2021 , 52, 772-780	6.7	10
61	Relations between plasma ox-LDL and carotid plaque among Chinese Han ethnic group. <i>Neurological Research</i> , 2011 , 33, 460-6	2.7	9
60	Efficacy of Clopidogrel-Aspirin Therapy for Stroke Does Not Exist in YP2C19 Loss-of-Function Allele Noncarriers With Overweight/Obesity. <i>Stroke</i> , 2020 , 51, 224-231	6.7	9
59	The J-curve Association between Systolic Blood Pressure and Clinical Outcomes in Ischemic Stroke or TIA: The BOSS Study. <i>Scientific Reports</i> , 2017 , 7, 14023	4.9	8

58	A Comparison of Mortality Prognostic Scores in Ischemic Stroke Patients. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016 , 25, 241-7	2.8	8
57	Patterns and predictors of antihypertensive medication used 1 year after ischemic stroke or TIA in urban China. <i>Patient Preference and Adherence</i> , 2013 , 7, 71-9	2.4	8
56	Prevalence of Diabetic Retinopathy and Vision Loss in the Beijing Eye Study: the Potential Role of the Cerebrospinal Fluid Pressure. <i>Current Diabetes Reports</i> , 2015 , 15, 71	5.6	7
55	Long-term Progression and Risk Factors of Fundus Tessellation in the Beijing Eye Study. <i>Scientific Reports</i> , 2018 , 8, 10625	4.9	7
54	Ten-year cumulative incidence of epiretinal membranes assessed on fundus photographs. The Beijing Eye Study 2001/2011. <i>PLoS ONE</i> , 2018 , 13, e0195768	3.7	7
53	Oxidized low-density lipoprotein predicts recurrent stroke in patients with minor stroke or TIA. <i>Neurology</i> , 2018 , 91, e947-e955	6.5	7
52	Acute-phase blood pressure trajectories and clinical outcomes in ischemic stroke. <i>Journal of Clinical Hypertension</i> , 2019 , 21, 1108-1114	2.3	7
51	Carotid Atherosclerosis, Cerebrospinal Fluid Pressure, and Retinal Vessel Diameters: The Asymptomatic Polyvascular Abnormalities in Community Study. <i>PLoS ONE</i> , 2016 , 11, e0166993	3.7	7
50	Residual Inflammatory Risk Predicts Poor Prognosis in Acute Ischemic Stroke or Transient Ischemic Attack Patients. <i>Stroke</i> , 2021 , 52, 2827-2836	6.7	7
49	Prevalence and associations of central serous chorioretinopathy in elderly Chinese. The Beijing Eye Study 2011. <i>Acta Ophthalmologica</i> , 2016 , 94, 386-90	3.7	6
48	Obesity-Stroke Paradox Exists in Insulin-Resistant Patients But Not Insulin Sensitive Patients. <i>Stroke</i> , 2019 , STROKEAHA118023817	6.7	5
47	Impact of Infection on the Risk of Recurrent Stroke Among Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2020 , 51, 2395-2403	6.7	5
46	Chronic Kidney Disease and Eye Diseases: The Beijing Eye Study. <i>Ophthalmology</i> , 2017 , 124, 1566-1569	7.3	5
45	TOAST subtypes: its influence upon doctors'Sdecisions of antihypertensive prescription at discharge for ischemic stroke patients. <i>Patient Preference and Adherence</i> , 2012 , 6, 911-4	2.4	5
44	Aberrant TGF- β signaling activation by MAF underlies pathological lens growth in high myopia. <i>Nature Communications</i> , 2021 , 12, 2102	17.4	5
43	Different levels of blood pressure, different benefit from dual antiplatelet therapy in minor stroke or TIA patients. <i>Scientific Reports</i> , 2017 , 7, 3884	4.9	4
42	Blood pressure fluctuation pattern and stroke outcomes in acute ischemic stroke. <i>Hypertension Research</i> , 2019 , 42, 1776-1782	4.7	4
41	The influence of mean arterial pressure on the efficacy and safety of dual antiplatelet therapy in minor stroke or transient ischemic attack patients. <i>Journal of Clinical Hypertension</i> , 2019 , 21, 598-604	2.3	4

40	Effect of blood pressure variability on cardiovascular outcome in diabetic and nondiabetic patients with stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014 , 23, 2450-7	2.8	4
39	The impact of the cumulative burden of LDL-c and hs-CRP on cardiovascular risk: a prospective, population-based study. <i>Aging</i> , 2020 , 12, 11990-12001	5.6	4
38	Trimethylamine N-Oxide and Stroke Recurrence Depends on Ischemic Stroke Subtypes. <i>Stroke</i> , 2021 , STROKEAHA120031443	6.7	4
37	Automatic detection of parapapillary atrophy and its association with children myopia. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 183, 105090	6.9	4
36	Peripapillary choroidal vascular layers: the Beijing Eye Study. <i>Acta Ophthalmologica</i> , 2017 , 95, 619-628	3.7	3
35	Effect of dual antiplatelet on recurrent stroke in minor stroke or TIA depends on bodyweight. <i>Therapeutics and Clinical Risk Management</i> , 2018 , 14, 861-870	2.9	3
34	Inaccuracy of transthoracic echocardiography for the identification of right-sided vegetation in patients with no history of intravenous drug abuse or cardiac device insertion. <i>Journal of International Medical Research</i> , 2014 , 42, 837-48	1.4	3
33	Effect of Low Diastolic Blood Pressure to Cardiovascular Risk in Patients With Ischemic Stroke or Transient Ischemic Attacks Under Different Systolic Blood Pressure Levels. <i>Frontiers in Neurology</i> , 2020 , 11, 356	4.1	2
32	An automatic evaluation method for retinal image registration 2017 ,		2
31	Association Between Plasma Trimethyllysine and Prognosis of Patients With Ischemic Stroke. <i>Journal of the American Heart Association</i> , 2021 , 10, e020979	6	2
30	Combined impact of body mass index and glycemic control on the efficacy of clopidogrel-aspirin therapy in patients with minor stroke or transient ischemic attack. <i>Aging</i> , 2020 , 12, 12175-12186	5.6	2
29	Association between Low-Density Lipoprotein Cholesterol Levels and Proximal Single Subcortical Infarction in Comparison with Distal Single Subcortical Infarction. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020 , 29, 105198	2.8	2
28	Association Between Cumulative Exposure to Increased Low-Density Lipoprotein Cholesterol and the Prevalence of Asymptomatic Intracranial Atherosclerotic Stenosis. <i>Frontiers in Neurology</i> , 2020 , 11, 555274	4.1	2
27	Development and evaluation of a deep learning model for the detection of multiple fundus diseases based on colour fundus photography. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	2
26	Uric Acid Contributes to Obesity-Paradox of the Outcome of Ischemic Stroke. <i>Frontiers in Neurology</i> , 2019 , 10, 1279	4.1	2
25	POSTERIOR FUNDUS HEMORRHAGES: Frequency and Associated Factors: The Beijing Eye Study. <i>Retina</i> , 2019 , 39, 1206-1215	3.6	2
24	Different contribution of SBP and DBP variability to vascular events in patients with stroke. <i>Stroke and Vascular Neurology</i> , 2020 , 5, 110-115	9.1	2
23	Association between cumulative exposure to different lipid parameters and risk of newly developed carotid plaque. <i>Stroke and Vascular Neurology</i> , 2021 , 6, 359-365	9.1	2

22	Ambulatory blood pressure profile and stroke recurrence. <i>Stroke and Vascular Neurology</i> , 2021 , 6, 352-358	5.8	2
21	Antigen-specific CTLs: to produce autologous cells product for adoptive cellular therapy. <i>International Journal of Infectious Diseases</i> , 2017 , 59, 37-43	10.5	1
20	Time point of nocturnal trough systolic blood pressure as an independent predictor of cardiovascular events.. <i>Journal of Clinical Hypertension</i> , 2022 ,	2.3	1
19	Application of Age, Body Mass Index, Chronic Kidney Disease, Diabetes, and Genotyping Score for Efficacy of Clopidogrel: Secondary Analysis of the CHANCE Trial. <i>Stroke</i> , 2021 , STROKEAHA120033049	6.7	1
18	Deep Learning-Based Estimation of Axial Length and Subfoveal Choroidal Thickness From Color Fundus Photographs. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 653692	5.7	1
17	EyeHealer: A large-scale anterior eye segment dataset with eye structure and lesion annotations. <i>Precision Clinical Medicine</i> , 2021 , 4, 85-92	6.7	1
16	Association of Trimethylamine N-Oxide and Its Precursor With Cerebral Small Vessel Imaging Markers. <i>Frontiers in Neurology</i> , 2021 , 12, 648702	4.1	1
15	Elevated lipoprotein(a) and lipoprotein-associated phospholipase A are associated with unfavorable functional outcomes in patients with ischemic stroke.. <i>Journal of Neuroinflammation</i> , 2021 , 18, 307	10.1	1
14	Artificial Intelligence for Screening of Multiple Retinal and Optic Nerve Diseases.. <i>JAMA Network Open</i> , 2022 , 5, e229960	10.4	1
13	Prognosis Prediction of Uveal Melanoma After Plaque Brachytherapy Based on Ultrasound With Machine Learning.. <i>Frontiers in Medicine</i> , 2021 , 8, 777142	4.9	0
12	Effectiveness of a novel 1% glucose isotonic electrolyte solution for intraoperative fluid therapy in children: a randomized controlled trial. <i>Journal of International Medical Research</i> , 2021 , 49, 3000605211055624	1.4	0
11	10-year fundus tessellation progression and retinal vein occlusion. <i>International Journal of Ophthalmology</i> , 2018 , 11, 1192-1197	1.4	0
10	Risk Profile of Ischemic Stroke Caused by Small-Artery Occlusion vs. Deep Intracerebral Hemorrhage. <i>Frontiers in Neurology</i> , 2019 , 10, 1213	4.1	0
9	Automatic Diagnosis of Glaucoma on Color Fundus Images Using Adaptive Mask Deep Network. <i>Lecture Notes in Computer Science</i> , 2021 , 99-110	0.9	0
8	Effect of Lipoprotein(a) on Stroke Recurrence Attenuates at Low LDL-C (Low-Density Lipoprotein) and Inflammation Levels.. <i>Stroke</i> , 2022 , 101161STROKEAHA121034924	6.7	0
7	Bilateral simultaneous primary acute angle-closure glaucoma. <i>Precision Clinical Medicine</i> , 2020 , 3, 297-306.7		
6	Response by Yalkun et al to Letter Regarding Article, "Impact of Infection on the Risk of Recurrent Stroke Among Patients With Acute Ischemic Stroke". <i>Stroke</i> , 2020 , 51, e366	6.7	
5	Diabetic retinopathy and estimated cerebrospinal fluid pressure. The Beijing eye study 2011. <i>Acta Ophthalmologica</i> , 2014 , 92, 0-0	3.7	

4	Peripapillary Atrophy Segmentation with Boundary Guidance. <i>Lecture Notes in Computer Science</i> , 2021 , 101-108	0.9
3	Nontraditional Risk Factors for Residual Recurrence Risk in Patients with Ischemic Stroke of Different Etiologies.. <i>Cerebrovascular Diseases</i> , 2022 , 1-9	3.2
2	Serum Sodium Concentration and Increased Risk for Primary Epiretinal Membrane.. <i>Frontiers in Medicine</i> , 2021 , 8, 770362	4.9
1	Validation of the Canadian TIA Score to Predict Subsequent Stroke Risk in Chinese TIA Patients.. <i>Cerebrovascular Diseases</i> , 2022 , 1-9	3.2