

# Yisen Zhang

## List of Publications by Year in descending order

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64  
papers

864  
citations

623188

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610482

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67  
docs citations

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times ranked

948  
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#	ARTICLE	IF	CITATIONS
1	High Shear Stress and Flow Velocity in Partially Occluded Aneurysms Prone to Recanalization. <i>Stroke</i> , 2011, 42, 745-753.	1.0	113
2	Perturbations of BMP/TGF- $\beta$ 2 and VEGF/VEGFR signalling pathways in non-syndromic sporadic brain arteriovenous malformations (BAVM). <i>Journal of Medical Genetics</i> , 2018, 55, 675-684.	1.5	70
3	Low wall shear stress is associated with the rupture of intracranial aneurysm with known rupture point: case report and literature review. <i>BMC Neurology</i> , 2016, 16, 231.	0.8	42
4	A modified endovascular treatment protocol for iatrogenic internal carotid artery injuries following endoscopic endonasal surgery. <i>Journal of Neurosurgery</i> , 2020, 132, 343-350.	0.9	31
5	Microglia activation, classification and microglia-mediated neuroinflammatory modulators in subarachnoid hemorrhage. <i>Neural Regeneration Research</i> , 2022, 17, 1404.	1.6	29
6	Stability Assessment of Intracranial Aneurysms Using Machine Learning Based on Clinical and Morphological Features. <i>Translational Stroke Research</i> , 2020, 11, 1287-1295.	2.3	28
7	The Relationship of Morphological-Hemodynamic Characteristics, Inflammation, and Remodeling of Aneurysm Wall in Unruptured Intracranial Aneurysms. <i>Translational Stroke Research</i> , 2022, 13, 88-99.	2.3	24
8	Effect of Adjusted Antiplatelet Therapy on Preventing Ischemic Events After Stenting for Intracranial Aneurysms. <i>Stroke</i> , 2021, 52, 3815-3825.	1.0	24
9	Whole-exome sequencing reveals known and novel variants in a cohort of intracranial vertebralâ€“basilar artery dissection (IVAD). <i>Journal of Human Genetics</i> , 2018, 63, 1119-1128.	1.1	21
10	Bifurcation Type and Larger Low Shear Area Are Associated with Rupture Status of Very Small Intracranial Aneurysms. <i>Frontiers in Neurology</i> , 2016, 7, 169.	1.1	20
11	Rupture Risk Assessment for Mirror Aneurysms with Different Outcomes in the Same Patient. <i>Frontiers in Neurology</i> , 2016, 7, 219.	1.1	20
12	Stent-Assisted Coiling May Prevent the Recurrence of Very Small Ruptured Intracranial Aneurysms: A Multicenter Study. <i>World Neurosurgery</i> , 2017, 100, 22-29.	0.7	20
13	225 intracranial aneurysms treated with the Low-profile Visualized Intraluminal Support (LVIS) stent: a single-center retrospective study. <i>Neurological Research</i> , 2018, 40, 445-451.	0.6	20
14	Variation of Mass Effect After Using a Flow Diverter With Adjunctive Coil Embolization for Symptomatic Unruptured Large and Giant Intracranial Aneurysms. <i>Frontiers in Neurology</i> , 2019, 10, 1191.	1.1	20
15	Endovascular Treatment of Spontaneous Intracranial Fusiform and Dissecting Aneurysms: Outcomes Related to Imaging Classification of 309 Cases. <i>World Neurosurgery</i> , 2017, 98, 444-455.	0.7	18
16	Computational haemodynamics in two idealised cerebral wide-necked aneurysms after stent placement. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2011, 14, 927-937.	0.9	15
17	Treatment for Spontaneous Intracranial Dissecting Aneurysms in Childhood: A Retrospective Study of 26 Cases. <i>Frontiers in Neurology</i> , 2016, 7, 224.	1.1	15
18	Phantom-based experimental validation of fast virtual deployment of self-expandable stents for cerebral aneurysms. <i>BioMedical Engineering OnLine</i> , 2016, 15, 125.	1.3	14

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19	Aneurysm wall enhancement on magnetic resonance imaging as a risk factor for progression of unruptured vertebrobasilar dissecting aneurysms after reconstructive endovascular treatment. <i>Journal of Neurosurgery</i> , 2018, 128, 747-755.	0.9	14
20	Outcomes in Symptomatic Patients With Vertebrobasilar Dolichoectasia Following Endovascular Treatment. <i>Frontiers in Neurology</i> , 2019, 10, 610.	1.1	14
21	Efficacy of LVIS vs. Enterprise Stent for Endovascular Treatment of Medium-Sized Intracranial Aneurysms: A Hemodynamic Comparison Study. <i>Frontiers in Neurology</i> , 2019, 10, 522.	1.1	14
22	Exome sequencing of 112 trios identifies recessive genetic variants in brain arteriovenous malformations. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 568-573.	2.0	14
23	Clinical and Angiographic Outcomes After Stent-Assisted Coiling of Cerebral Aneurysms With Laser-Cut and Braided Stents: A Comparative Analysis of the Literatures. <i>Frontiers in Neurology</i> , 2021, 12, 666481.	1.1	14
24	Risk Factors of Angiographic Recurrence After Endovascular Coil Embolization of Intracranial Saccular Aneurysms: A Retrospective Study Using a Multicenter Database. <i>Frontiers in Neurology</i> , 2020, 11, 1026.	1.1	13
25	China Intracranial Aneurysm Project (CIAP): protocol for a registry study on a multidimensional prediction model for rupture risk of unruptured intracranial aneurysms. <i>Journal of Translational Medicine</i> , 2018, 16, 263.	1.8	12
26	Relationship between haemodynamic changes and outcomes of intracranial aneurysms after implantation of the pipeline embolisation device: a single centre study. <i>Interventional Neuroradiology</i> , 2019, 25, 671-680.	0.7	12
27	Magnetic Resonance Imaging Follow-Up of Large or Giant Vertebrobasilar Dissecting Aneurysms After Total Embolization on Angiography. <i>World Neurosurgery</i> , 2016, 91, 218-227.	0.7	11
28	Risk Factors of Recurrence after Stent(s)-Assisted Coiling of Intracranial Vertebrobasilar Dissecting Aneurysms: A Multicenter Study. <i>Frontiers in Neurology</i> , 2017, 8, 482.	1.1	11
29	Application of the Pipeline Embolization Device for Giant Vertebrobasilar Dissecting Aneurysms in Pediatric Patients. <i>Frontiers in Neurology</i> , 2019, 10, 179.	1.1	11
30	Hemodynamic Analysis of Postoperative Rupture of Unruptured Intracranial Aneurysms after Placement of Flow-Diverting Stents: A Matched Case-Control Study. <i>American Journal of Neuroradiology</i> , 2019, 40, 1916-1923.	1.2	11
31	Patency of Branch Vessels After Pipeline Embolization: Comparison of Various Branches. <i>Frontiers in Neurology</i> , 2019, 10, 838.	1.1	10
32	Hemodynamic differences by increasing low profile visualized intraluminal support (LVIS) stent local compaction across intracranial aneurysm orifice. <i>Interventional Neuroradiology</i> , 2020, 26, 557-565.	0.7	9
33	Statin treatment for unruptured intracranial aneurysms study: a study protocol for a double-blind, placebo-controlled trial. <i>Stroke and Vascular Neurology</i> , 2020, 5, 410-415.	1.5	8
34	Nomogram for Stability Stratification of Small Intracranial Aneurysm Based on Clinical and Morphological Risk Factors. <i>Frontiers in Neurology</i> , 2020, 11, 598740.	1.1	8
35	Serum IL-1, Pyroptosis and Intracranial Aneurysm Wall Enhancement: Analysis Integrating Radiology, Serum Cytokines and Histology. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 818789.	1.1	8
36	Traumatic pseudoaneurysm of the basilar artery presenting with fatal epistaxis: A rare case report. <i>Brain Injury</i> , 2013, 27, 1316-1319.	0.6	7

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37	Patency of Posterior Circulation Branches Covered by Flow Diverter Device: A Hemodynamic Study. <i>Frontiers in Neurology</i> , 2019, 10, 658.	1.1	7
38	Endovascular Treatment of Large or Giant Non-saccular Vertebrobasilar Aneurysms: Pipeline Embolization Devices Versus Conventional Stents. <i>Frontiers in Neuroscience</i> , 2019, 13, 1253.	1.4	7
39	Exome sequencing reveals a novel variant in NFX1 causing intracranial aneurysm in a Chinese family. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 221-226.	2.0	7
40	Endovascular treatment of ruptured vertebrobasilar dissecting aneurysms: Review of 40 consecutive cases. <i>Neurology India</i> , 2016, 64, 52.	0.2	7
41	Treatment of fusiform aneurysms with a pipeline embolization device: a multicenter cohort study. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 315-320.	2.0	7
42	Flow Diversion and Outcomes of Vertebral Fusiform Aneurysms After Stent-Only Treatment: A Hemodynamic Study. <i>World Neurosurgery</i> , 2017, 107, 202-210.	0.7	6
43	Discrimination of intracranial aneurysm rupture status: patient-specific inflow boundary may not be a must-have condition in hemodynamic simulations. <i>Neuroradiology</i> , 2020, 62, 1485-1495.	1.1	6
44	Retreatment With Flow Diverters and Coiling for Recurrent Aneurysms After Initial Endovascular Treatment: A Propensity Score-Matched Comparative Analysis. <i>Frontiers in Neurology</i> , 2021, 12, 625652.	1.1	6
45	Single-cell analysis of microglial transcriptomic diversity in subarachnoid haemorrhage. <i>Clinical and Translational Medicine</i> , 2022, 12, e783.	1.7	6
46	Hemodynamic performance of coil embolization and stent-assisted coil embolization treatments: a numerical comparative study based on subject-specific models of cerebral aneurysms. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 2053-2063.	2.0	5
47	Stenting After Coiling Using a Single Microcatheter for Treatment of Ruptured Intracranial Fusiform Aneurysms with Parent Arteries Less Than 1.5 mm in Diameter. <i>World Neurosurgery</i> , 2017, 99, 809.e7-809.e10.	0.7	5
48	Haemodynamic analysis for recanalisation of intracranial aneurysms after endovascular treatment: an observational registry study in China. <i>BMJ Open</i> , 2017, 7, e014261.	0.8	5
49	Quantitative Analysis of Intracranial Vertebrobasilar Dissecting Aneurysm with Intramural Hematoma After Endovascular Treatment Using 3-T High-Resolution Magnetic Resonance Imaging. <i>World Neurosurgery</i> , 2017, 108, 236-243.	0.7	5
50	Efficient simulation of a low-profile visualized intraluminal support device: a novel fast virtual stenting technique. <i>Chinese Neurosurgical Journal</i> , 2018, 4, 6.	0.3	5
51	Treatment of true posterior communicating artery aneurysms: Endovascular experience in a single center. <i>Interventional Neuroradiology</i> , 2020, 26, 55-60.	0.7	5
52	How to perform intra-aneurysmal coil embolization after Pipeline deployment: a study from a hemodynamic viewpoint. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 157-162.	2.0	5
53	Endovascular Treatment of Tiny Aneurysms With Low-Profile Visualized Intraluminal Support Devices Using a "Compressed" Stent Technique. <i>Frontiers in Neurology</i> , 2020, 11, 610126.	1.1	4
54	High-resolution vessel wall magnetic resonance imaging for depicting imaging features of unruptured intracranial vertebrobasilar dissecting aneurysms. <i>Journal of International Medical Research</i> , 2021, 49, 030006052097738.	0.4	4

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55	Endovascular treatment of bilateral intracranial vertebral artery aneurysms: an algorithm based on a 10-year neurointerventional experience. <i>Stroke and Vascular Neurology</i> , 2020, 5, 291-301.	1.5	3
56	Dynamic contrast-enhanced MRI analysis for prognosis of intracranial dissecting aneurysm with intramural haematoma after endovascular treatment: an observational registry study. <i>Stroke and Vascular Neurology</i> , 2021, 6, 133-138.	1.5	3
57	Endovascular treatment of vertebral and basilar artery aneurysms with low-profile visualized intraluminal support device. <i>BMC Neurology</i> , 2021, 21, 198.	0.8	2
58	Exome-wide Analysis of De Novo and Rare Genetic Variants in Patients With Brain Arteriovenous Malformation. <i>Neurology</i> , 2022, , 10.1212/WNL.0000000000200114.	1.5	2
59	In Reply to the Letter to the Editor "Imaging Classification and Treatment of Spontaneous Intracranial Fusiform and Dissecting Aneurysms": <i>World Neurosurgery</i> , 2017, 107, 1040.	0.7	1
60	Significant flow velocity reduction at the intracranial aneurysm neck after endovascular treatment leads to favourable angiographic outcome: a prospective study. <i>Stroke and Vascular Neurology</i> , 2021, 6, 366-375.	1.5	1
61	Risk factors for periprocedural ischemic stroke following endovascular treatment of intracranial aneurysms. <i>Chinese Neurosurgical Journal</i> , 2021, 7, 38.	0.3	1
62	Mutational spectrum of syndromic genes in sporadic brain arteriovenous malformation. <i>Chinese Neurosurgical Journal</i> , 2022, 8, 4.	0.3	1
63	Atorvastatin for unruptured intracranial vertebrobasilar dissecting aneurysm (ATREAT-VBD): protocol for a randomised, double-blind, blank-controlled trial. <i>BMJ Open</i> , 2022, 12, e059616.	0.8	1
64	Hemodynamic analysis for endovascular treatment in small unruptured intracranial aneurysms: a matched comparison study of flow diverter versus LVIS. <i>Chinese Neurosurgical Journal</i> , 2021, 7, 49.	0.3	0