

# Xin-Jian Yang

## List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Flow diverter effect of LVIS stent on cerebral aneurysm hemodynamics: a comparison with Enterprise stents and the Pipeline device. <i>Journal of Translational Medicine</i> , 2016, 14, 199.	1.8	140
2	High Shear Stress and Flow Velocity in Partially Occluded Aneurysms Prone to Recanalization. <i>Stroke</i> , 2011, 42, 745-753.	1.0	113
3	Imaging investigation of intracranial arterial dissecting aneurysms by using 3Â high-resolution MRI and DSA: from the interventional neuroradiologistsâ™ view. <i>Acta Neurochirurgica</i> , 2014, 156, 515-525.	0.9	72
4	Morphologic and Hemodynamic Analysis in the Patients with Multiple Intracranial Aneurysms: Ruptured versus Unruptured. <i>PLoS ONE</i> , 2015, 10, e0132494.	1.1	67
5	Genome-wide microRNA changes in human intracranial aneurysms. <i>BMC Neurology</i> , 2014, 14, 188.	0.8	63
6	Influence of hemodynamics on recanalization of totally occluded intracranial aneurysms: a patient-specific computational fluid dynamic simulation study. <i>Journal of Neurosurgery</i> , 2012, 117, 276-283.	0.9	61
7	High Fidelity Virtual Stenting (HiFIVS) for Intracranial Aneurysm Flow Diversion: In Vitro and In Silico. <i>Annals of Biomedical Engineering</i> , 2013, 41, 2143-2156.	1.3	60
8	LVIS Stent Versus Enterprise Stent for the Treatment of Unruptured Intracranial Aneurysms. <i>World Neurosurgery</i> , 2016, 91, 365-370.	0.7	57
9	Predisposing factors for recanalization of cerebral aneurysms after endovascular embolization: a multivariate study. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 252-257.	2.0	57
10	Transcriptome-Wide Characterization of Gene Expression Associated with Unruptured Intracranial Aneurysms. <i>European Neurology</i> , 2009, 62, 330-337.	0.6	47
11	Morphologic and hemodynamic analysis of paraclinoid aneurysms: ruptured versus unruptured. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, 658-663.	2.0	46
12	Shear Stress Induces Phenotypic Modulation of Vascular Smooth Muscle Cells via AMPK/mTOR/ULK1-Mediated Autophagy. <i>Cellular and Molecular Neurobiology</i> , 2018, 38, 541-548.	1.7	43
13	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
14	Clinical, morphological, and hemodynamic independent characteristic factors for rupture of posterior communicating artery aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 808-812.	2.0	39
15	Influence of morphology and hemodynamic factors on rupture of multiple intracranial aneurysms: matched-pairs of ruptured-unruptured aneurysms located unilaterally on the anterior circulation. <i>BMC Neurology</i> , 2014, 14, 253.	0.8	38
16	Hemodynamic Effect of Flow Diverter and Coils in Treatment of Large and Giant Intracranial Aneurysms. <i>World Neurosurgery</i> , 2016, 89, 199-207.	0.7	37
17	Hemodynamic Analysis of Intracranial Aneurysms with Daughter Blebs. <i>European Neurology</i> , 2011, 66, 359-367.	0.6	35
18	Virtual stenting workflow with vessel-specific initialization and adaptive expansion for neurovascular stents and flow diverters. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 1423-1431.	0.9	35

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19	Morphological-Hemodynamic Characteristics of Intracranial Bifurcation Mirror Aneurysms. <i>World Neurosurgery</i> , 2015, 84, 114-120.e2.	0.7	34
20	Effect of hemodynamics on outcome of subtotally occluded paraclinoid aneurysms after stent-assisted coil embolization. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 1140-1147.	2.0	30
21	Pipeline Embolization Device for intracranial aneurysms in a large Chinese cohort: factors related to aneurysm occlusion. <i>Therapeutic Advances in Neurological Disorders</i> , 2020, 13, 175628642096782.	1.5	28
22	Hemodynamic alterations after stent implantation in 15 cases of intracranial aneurysm. <i>Acta Neurochirurgica</i> , 2016, 158, 811-819.	0.9	22
23	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
24	Stent alone treatment for dissections and dissecting aneurysms involving the basilar artery. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 50-55.	2.0	20
25	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
26	Rupture Risk Assessment for Mirror Aneurysms with Different Outcomes in the Same Patient. <i>Frontiers in Neurology</i> , 2016, 7, 219.	1.1	20
27	Recanalization, Regrowth, and Delayed Rupture of a Previously Coiled Unruptured Anterior Communicating Artery Aneurysm: A Longitudinal Hemodynamic Analysis. <i>World Neurosurgery</i> , 2016, 89, 726.e5-726.e10.	0.7	20
28	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
29	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
30	Hemodynamic characteristics of large unruptured internal carotid artery aneurysms prior to rupture: a case control study. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 367-372.	2.0	19
31	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
32	Management of Residual and Recurrent Aneurysms After Clipping or Coiling: Clinical Characteristics, Treatments, and Follow-Up Outcomes. <i>World Neurosurgery</i> , 2019, 122, e838-e846.	0.7	16
33	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
34	A geometric scaling model for assessing the impact of aneurysm size ratio on hemodynamic characteristics. <i>BioMedical Engineering OnLine</i> , 2014, 13, 17.	1.3	14
35	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
36	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

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37	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
38	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
39	Retreatment and Outcomes of Recurrent Intracranial Vertebral Artery Dissecting Aneurysms after Stent Assisted Coiling: A Single Center Experience. <i>PLoS ONE</i> , 2014, 9, e113027.	1.1	13
40	Management of recurrent intracranial aneurysms after coil embolization: a novel classification scheme based on angiography. <i>Journal of Neurosurgery</i> , 2019, 131, 1455-1461.	0.9	13
41	The effect of aneurismal-wall mechanical properties on patient-specific hemodynamic simulations: two clinical case reports. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 677-688.	1.5	12
42	Could the types of paraclinoid aneurysm be used as a criterion in choosing endovascular treatment? Neuro-radiologists's view. <i>Acta Neurochirurgica</i> , 2013, 155, 2019-2027.	0.9	12
43	A scaling aneurysm model-based approach to assessing the role of flow pattern and energy loss in aneurysm rupture prediction. <i>Journal of Translational Medicine</i> , 2015, 13, 311.	1.8	12
44	Fast Virtual Stenting with Active Contour Models in Intracranial Aneurysm. <i>Scientific Reports</i> , 2016, 6, 21724.	1.6	12
45	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
46	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
47	A novel arterial pouch model of saccular aneurysm by concomitant elastase and collagenase digestion. <i>Journal of Zhejiang University: Science B</i> , 2007, 8, 697-703.	1.3	11
48	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
49	Successful Retreatment of Recurrent Intracranial Vertebral Artery Dissecting Aneurysms After Stent-Assisted Coil Embolization: A Self-Controlled Hemodynamic Analysis. <i>World Neurosurgery</i> , 2017, 97, 344-350.	0.7	11
50	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
51	Hemodynamics in Ruptured Intracranial Aneurysms with Known Rupture Points. <i>World Neurosurgery</i> , 2018, 118, e721-e726.	0.7	10
52	Enterprise stent-assisted coiling for wide-necked intracranial aneurysms during ultra-early (48hours) subarachnoid hemorrhage: A single-center experience in 59 consecutive patients. <i>Journal of Neuroradiology</i> , 2015, 42, 298-303.	0.6	9
53	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
54	Treatment of symptomatic fusiform aneurysm in basilar artery by stenting following coiling technique. <i>Turkish Neurosurgery</i> , 2014, 24, 44-7.	0.1	9

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55	Analysis of Multiple Intracranial Aneurysms with Different Outcomes in the Same Patient After Endovascular Treatment. <i>World Neurosurgery</i> , 2016, 91, 399-408.	0.7	8
56	Pain reduction in osteoporotic patients with vertebral pain without measurable compression. <i>Neuroradiology</i> , 2008, 50, 153-159.	1.1	7
57	Recovery of ophthalmoplegia associated with cavernous sinus dural arteriovenous fistulas after transvenous cavernous sinus packing. <i>European Journal of Radiology</i> , 2010, 75, 139-142.	1.2	7
58	Hemodynamic simulation of intracranial aneurysm growth with virtual silk stent implantation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018, 21, 558-567.	0.9	7
59	Patency of Posterior Circulation Branches Covered by Flow Diverter Device: A Hemodynamic Study. <i>Frontiers in Neurology</i> , 2019, 10, 658.	1.1	7
60	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
61	Endovascular treatment of ruptured vertebrobasilar dissecting aneurysms: Review of 40 consecutive cases. <i>Neurology India</i> , 2016, 64, 52.	0.2	7
62	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
63	Fast Virtual Stenting With Vessel-Specific Initialization and Collision Detection. , 2014, , .		6
64	Larger inflow angle and incomplete occlusion predict recanalization of unruptured paraclinoid aneurysms after endovascular treatment. <i>Interventional Neuroradiology</i> , 2016, 22, 383-388.	0.7	6
65	An approach to quantitative assessment of hemodynamic differences between unruptured and ruptured ophthalmic artery aneurysms. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 1456-1461.	0.9	6
66	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
67	The Impact of Inflow Angle on Aneurysm Hemodynamics: A Simulation Study Based on Patient-Specific Intracranial Aneurysm Models. <i>Frontiers in Neurology</i> , 2020, 11, 534096.	1.1	6
68	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
69	Hemodynamic performance of coil embolization and stentassisted 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
70	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
71	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
72	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

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73	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
74	Treatment of true posterior communicating artery aneurysms: Endovascular experience in a single center. <i>Interventional Neuroradiology</i> , 2020, 26, 55-60.	0.7	5
75	Endovascular Treatment of the Huge Dissecting Aneurysms Involving the Basilar Artery by the Internal Trapping Technique. <i>Chinese Medical Journal</i> , 2015, 128, 1916-1921.	0.9	4
76	Cranial Nerve Dysfunction Associated with Cavernous Dural Arteriovenous Fistulas After Transvenous Embolization with Onyx. <i>CardioVascular and Interventional Radiology</i> , 2015, 38, 1162-1170.	0.9	4
77	Hemodynamic impacts of flow diverter devices on the ophthalmic artery. <i>Journal of Translational Medicine</i> , 2019, 17, 160.	1.8	4
78	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
79	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
80	Treatment of traumatic trigeminal-cavernous fistula by coil embolization and compression of carotid artery. <i>Neurology India</i> , 2007, 55, 396.	0.2	4
81	Hemodynamic Alterations for Various Stent Configurations in Idealized Wide-neck Basilar Tip Aneurysm. <i>Journal of Medical and Biological Engineering</i> , 2016, 36, 379-385.	1.0	3
82	Chinese specialist consensus on imaging diagnosis of intracranial arterial dissection. <i>Chinese Neurosurgical Journal</i> , 2017, 3, .	0.3	3
83	A comparative CFD analysis of common carotid fusiform aneurysm in canine models and vertebrobasilar fusiform aneurysm in human patients. <i>International Angiology</i> , 2018, 37, 32-40.	0.4	3
84	Pipeline Embolization Device for Salvage Treatment of a Willis Covered Stent Prolapse Into the Aneurysmal Sac. <i>Frontiers in Neurology</i> , 2019, 10, 1099.	1.1	3
85	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
86	Imbalanced flow changes of distal arteries: An important factor in process of delayed ipsilateral parenchymal hemorrhage after flow diversion in patients with cerebral aneurysms. <i>Interventional Neuroradiology</i> , 2021, 27, 788-797.	0.7	3
87	Comparison of cellulose acetate polymer and electrolytic detachable coils for treatment of canine aneurysmal models. <i>Chinese Medical Sciences Journal</i> , 2002, 17, 47-51.	0.2	3
88	Recurrence of an internal carotid artery aneurysm after complete exclusion by a Willis covered stent. <i>Interventional Neuroradiology</i> , 2019, 25, 688-691.	0.7	2
89	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
90	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

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91	COMPUTATIONAL INVESTIGATION OF THROMBIN CONCENTRATION IN CEREBRAL ANEURYSMS TREATED WITH FLOW-DIVERTING STENTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2019, 19, 1950007.	0.3	1
92	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
93	3D Hemodynamic Numerical Simulation of an Intracranial Aneurysm Model before and after Embolism Treatment. , 2010, , .		0
94	Hemodynamics investigation for a giant aneurysm treated by a flow diverter implantation. <i>Bio-Medical Materials and Engineering</i> , 2015, 26, S225-S231.	0.4	0
95	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
96	Association Between Aneurysmal Hemodynamics and Rupture Risk of Unruptured Intracranial Aneurysms. <i>Frontiers in Neurology</i> , 2022, 13, 818335.	1.1	0