Gregory J Zipfel

List of Publications by Year
in descending order

89 papers	3,689 citations	218592 26 h-index	138417 58 g-index
91 all docs	91 docs citations	91 times ranked	5771 citing authors

#	Article	IF	Citations
1	The changing landscape of ischaemic brain injury mechanisms. Nature, 1999, 399, A7-A14.	13.7	1,015
2	Vascular contributions to cognitive impairment and dementia including Alzheimer's disease. Alzheimer's and Dementia, 2015, 11, 710-717.	0.4	461
3	Intracranial Dural Arteriovenous Fistulae. Stroke, 2017, 48, 1424-1431.	1.0	192
4	Cranial dural arteriovenous fistulas: modification of angiographic classification scales based on new natural history data. Neurosurgical Focus, 2009, 26, E14.	1.0	165
5	Diagnostic and Prognostic Utility of the Synaptic Marker Neurogranin in Alzheimer Disease. JAMA Neurology, 2016, 73, 561.	4.5	154
6	Moyamoya Disease in Adults: The Role of Cerebral Revascularization. Skull Base, 2005, 15, 27-41.	0.4	94
7	Endothelial Nitric Oxide Synthase Mediates Endogenous Protection Against Subarachnoid Hemorrhage-Induced Cerebral Vasospasm. Stroke, 2011, 42, 776-782.	1.0	92
8	Endovascular Perforation Subarachnoid Hemorrhage Fails to Cause Morris Water Maze Deficits in the Mouse. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, e1-e9.	2.4	83
9	A CDC20-APC/SOX2 Signaling Axis Regulates Human Glioblastoma Stem-like Cells. Cell Reports, 2015, 11, 1809-1821.	2.9	82
10	APOE immunotherapy reduces cerebral amyloid angiopathy and amyloid plaques while improving cerebrovascular function. Science Translational Medicine, 2021, 13, .	5.8	76
11	ACR Appropriateness Criteria Headache. Journal of the American College of Radiology, 2014, 11, 657-667.	0.9	61
12	Cerebral Amyloid Angiopathy. Stroke, 2009, 40, S16-9.	1.0	57
13	Endovascular parent vessel sacrifice in ruptured dissecting vertebral and posterior inferior cerebellar artery aneurysms: clinical outcomes and review of the literature. Journal of NeuroInterventional Surgery, 2016, 8, 796-801.	2.0	52
14	Passive immunotherapy targeting amyloid-Î² reduces cerebral amyloid angiopathy and improves vascular reactivity. Brain, 2016, 139, 563-577.	3.7	51
15	Radiation Therapy Dose Escalation for Glioblastoma Multiforme in the Era of Temozolomide. International Journal of Radiation Oncology Biology Physics, 2014, 90, 877-885.	0.4	49
16	HIFâ€1Î± Mediates Isofluraneâ€Induced Vascular Protection in Subarachnoid Hemorrhage. Annals of Clinical and Translational Neurology, 2015, 2, 325-337.	1.7	43
17	Experimental subarachnoid haemorrhage results in multifocal axonal injury. Brain, 2015, 138, 2608-2618.	3.7	38
18	Single-cell profiling of human dura and meningioma reveals cellular meningeal landscape and insights into meningioma immune response. Genome Medicine, 2022, 14, 49.	3.6	37

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19	Impact of Hospital Caseload and Elective Admission on Outcomes After Extracranial-Intracranial Bypass Surgery. World Neurosurgery, 2017, 108, 716-728.	0.7	36
20	Characterization of the Genomic and Immunologic Diversity of Malignant Brain Tumors through Multisector Analysis. Cancer Discovery, 2022, 12, 154-171.	7.7	34
21	Impact of 1p/19q Codeletion and Histology on Outcomes of Anaplastic Gliomas Treated With Radiation Therapy and Temozolomide. International Journal of Radiation Oncology Biology Physics, 2015, 91, 268-276.	0.4	31
22	Microvascular platelet aggregation and thrombosis after subarachnoid hemorrhage: A review and synthesis. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1565-1575.	2.4	31
23	Cerebral hemodynamics as a predictor of stroke in adult patients with moyamoya disease: a prospective observational study. Neurosurgical Focus, 2009, 26, E6.	1.0	30
24	Antiangiogenic Agents for Nonmalignant Brain Tumors. Journal of Neurological Surgery, Part B: Skull Base, 2013, 74, 136-141.	0.4	30
25	Treatment of pediatric intracranial aneurysms: case series and meta-analysis. Journal of NeuroInterventional Surgery, 2019, 11, 257-264.	2.0	30
26	Onyx is associated with poor venous penetration in the treatment of spinal dural arteriovenous fistulas. Journal of NeuroInterventional Surgery, 2014, 6, 536-540.	2.0	28
27	Cerebral Amyloid Angiopathy Increases Susceptibility to Infarction After Focal Cerebral Ischemia in Tg2576 Mice. Stroke, 2014, 45, 3064-3069.	1.0	27
28	Surgical Revascularization in North American Adults with Moyamoya Phenomenon: Long-Term Angiographic Follow-up. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 1597-1608.	0.7	26
29	SIRT1 mediates hypoxic preconditioning induced attenuation of neurovascular dysfunction following subarachnoid hemorrhage. Experimental Neurology, 2020, 334, 113484.	2.0	26
30	TrkB Agonist Antibody Pretreatment Enhances Neuronal Survival and Long-Term Sensory Motor Function Following Hypoxic Ischemic Injury in Neonatal Rats. PLoS ONE, 2014, 9, e88962.	1.1	25
31	Heparan sulfate proteoglycans mediate AÎ²-induced oxidative stress and hypercontractility in cultured vascular smooth muscle cells. Molecular Neurodegeneration, 2016, 11, 9.	4.4	25
32	Factors Associated with Acute and Chronic Hydrocephalus in Nonaneurysmal Subarachnoid Hemorrhage. Neurocritical Care, 2016, 24, 104-109.	1.2	21
33	Baseline Hemodynamic Impairment and Future Stroke Risk in Adult Idiopathic Moyamoya Phenomenon. Stroke, 2017, 48, 894-899.	1.0	21
34	Withholding Perioperative Steroids in Patients Undergoing Transsphenoidal Resection for Pituitary Disease: Randomized Prospective Clinical Trial to Assess Safety. Neurosurgery, 2019, 85, E226-E232.	0.6	20
35	Intraoperative MRI for newly diagnosed supratentorial glioblastoma: a multicenter-registry comparative study to conventional surgery. Journal of Neurosurgery, 2020, , 1-10.	0.9	20
36	The safety of vasopressor-induced hypertension in subarachnoid hemorrhage patients with coexisting unruptured, unprotected intracranial aneurysms. Journal of Neurosurgery, 2015, 123, 862-871.	0.9	19

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37	Utility of Screening for Cerebral Vasospasm Using Digital Subtraction Angiography. Stroke, 2015, 46, 3137-3141.	1.0	19
38	Neurosurgical Education in a Changing Healthcare and Regulatory Environment: A Consensus Statement from 6 Programs. Neurosurgery, 2017, 80, S75-S82.	0.6	18
39	Sirtuin 1 Mediates Protection Against Delayed Cerebral Ischemia in Subarachnoid Hemorrhage in Response to Hypoxic Postconditioning. Journal of the American Heart Association, 2021, 10, e021113.	1.6	18
40	Role of Endothelial Nitric Oxide Synthase in Isoflurane Conditioningâ€Induced Neurovascular Protection in Subarachnoid Hemorrhage. Journal of the American Heart Association, 2020, 9, e017477.	1.6	17
41	Evidence for a conditioning effect of inhalational anesthetics on angiographic vasospasm after aneurysmal subarachnoid hemorrhage. Journal of Neurosurgery, 2020, 133, 152-158.	0.9	16
42	STAT3 inhibitor mitigates cerebral amyloid angiopathy and parenchymal amyloid plaques while improving cognitive functions and brain networks. Acta Neuropathologica Communications, 2021, 9, 193.	2.4	16
43	SIRT1 Activation. Neurosurgery, 2018, 65, 1-5.	0.6	15
44	Conditioning Effect of Inhalational Anesthetics on Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage. Neurosurgery, 2021, 88, 394-401.	0.6	15
45	Comparing routine versus selective use of intraoperative cerebral angiography in aneurysm surgery: a prospective study. Journal of NeuroInterventional Surgery, 2016, 8, 75-80.	2.0	14
46	Radiologic Response and Disease Control of Recurrent Intracranial Meningiomas Treated With Reirradiation. International Journal of Radiation Oncology Biology Physics, 2018, 102, 194-203.	0.4	14
47	Bicuspid aortic valves and thoracic aortic aneurysms in patients with intracranial aneurysms. Neurology, 2015, 84, 46-49.	1.5	13
48	Role of SIRT1 in Isoflurane Conditioning-Induced Neurovascular Protection against Delayed Cerebral Ischemia Secondary to Subarachnoid Hemorrhage. International Journal of Molecular Sciences, 2021, 22, 4291.	1.8	12
49	Comparing External Ventricular Drains-Related Ventriculitis Surveillance Definitions. Infection Control and Hospital Epidemiology, 2017, 38, 574-579.	1.0	11
50	A novel fluorescent imaging technique for assessment of cerebral vasospasm after experimental subarachnoid hemorrhage. Scientific Reports, 2017, 7, 9126.	1.6	11
51	Axis-specific analysis and predictors of endocrine recovery and deficits for non-functioning pituitary adenomas undergoing endoscopic transsphenoidal surgery. Pituitary, 2020, 23, 389-399.	1.6	11
52	MAPT R406W increases tau T217 phosphorylation in absence of amyloid pathology. Annals of Clinical and Translational Neurology, 2021, 8, 1817-1830.	1.7	11
53	Update on the management of unruptured intracranial aneurysms. Neurosurgical Focus, 2004, 17, 1-10.	1.0	10
54	Editorial: Ultra-early surgery for aneurysmal subarachnoid hemorrhage. Journal of Neurosurgery, 2015, 122, 381-382.	0.9	10

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55	Anesthetic and subanesthetic doses of isoflurane conditioning provides strong protection against delayed cerebral ischemia in a mouse model of subarachnoid hemorrhage. Brain Research, 2021, 1750, 147169.	1.1	10
56	Observation Versus Intervention for Low-Grade Intracranial Dural Arteriovenous Fistulas. Neurosurgery, 2021, 88, 1111-1120.	0.6	9
57	Consortium for Dural Arteriovenous Fistula Outcomes Research (CONDOR): rationale, design, and initial characterization of patient cohort. Journal of Neurosurgery, 2022, 136, 951-961.	0.9	9
58	Outcome Following Hemorrhage From Cranial Dural Arteriovenous Fistulae. Stroke, 2021, 52, e610-e613.	1.0	9
59	Current Status of Manpower Needs for Management of Cerebrovascular Disease. Neurosurgery, 2006, 59, S3-261-S3-270.	0.6	8
60	Thrombolysis is an Independent Risk Factor for Poor Outcome After Carotid Revascularization. Neurosurgery, 2018, 83, 922-930.	0.6	8
61	Hemodynamic Impairment Measured by Positron-Emission Tomography Is Regionally Associated with Decreased Cortical Thickness in Moyamoya Phenomenon. American Journal of Neuroradiology, 2018, 39, 2037-2044.	1.2	8
62	Using Histopathology to Assess the Reliability of Intraoperative Magnetic Resonance Imaging in Guiding Additional Brain Tumor Resection: A Multicenter Study. Neurosurgery, 2021, 88, E49-E59.	0.6	8
63	Role of Anesthetics and Their Adjuvants in Neurovascular Protection in Secondary Brain Injury after Aneurysmal Subarachnoid Hemorrhage. International Journal of Molecular Sciences, 2021, 22, 6550.	1.8	8
64	Onyx embolization for dural arteriovenous fistulas: a multi-institutional study. Journal of NeuroInterventional Surgery, 2021, , neurintsurg-2020-017109.	2.0	8
65	Sevoflurane and Desflurane Exposures Following Aneurysmal Subarachnoid Hemorrhage Confer Multifaceted Protection against Delayed Cerebral Ischemia. Biomedicines, 2021, 9, 820.	1.4	7
66	Dural arteriovenous fistulas without cortical venous drainage: presentation, treatment, and outcomes. Journal of Neurosurgery, 2022, 136, 942-950.	0.9	7
67	National Institute of Neurological Disorders and Stroke: current funding status, opportunities, challenges, emerging scientific advances, and recommendations for neurosurgery. Journal of Neurosurgery, 2020, 133, 1264-1269.	0.9	7
68	SIRT1 mediates hypoxic postconditioning- and resveratrol-induced protection against functional connectivity deficits after subarachnoid hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1210-1223.	2.4	7
69	Inhalational Versus Intravenous Anesthetic Conditioning for Subarachnoid Hemorrhageâ€“Induced Delayed Cerebral Ischemia. Stroke, 2022, 53, 904-912.	1.0	6
70	Anesthetic Conditioning for Secondary Brain Injury After Aneurysmal Subarachnoid Hemorrhage. World Neurosurgery, 2020, 143, 577-578.	0.7	5
71	Intervention for unruptured high-grade intracranial dural arteriovenous fistulas: a multicenter study. Journal of Neurosurgery, 2022, 136, 962-970.	0.9	5
72	T2-Weighted-Fluid-Attenuated Inversion Recovery Hyperintensity on Magnetic Resonance Imaging Is Associated With Aggressive Symptoms in Patients With Dural Arteriovenous Fistulas. Stroke, 2019, 50, 2565-2567.	1.0	4

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73	Internal carotid artery dissection causing pulsatile tinnitus. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2019, 40, 121-123.	0.6	4
74	The relationship of cortical folding and brain arteriovenous malformations. Neurovascular Imaging, 2016, 2, .	2.4	3
75	Development of anEx VivoModel for the Study of Cerebrovascular Function Utilizing Isolated Mouse Olfactory Artery. Journal of Korean Neurosurgical Society, 2015, 57, 1.	0.5	3
76	Burden of cerebral hypoperfusion in patients with delayed cerebral ischemia after subarachnoid hemorrhage. Journal of Neurosurgery, 2020, 132, 1872-1879.	0.9	3
77	Editorial: Normal pressure hydrocephalus. Journal of Neurosurgery, 2014, 121, 769-770.	0.9	2
78	Editorial: Clipping of neurosurgical aneurysms: the dye is cast. Journal of Neurosurgery, 2015, 122, 616-617.	0.9	2
79	Plasmapheresis for Management of Antiphospholipid Syndrome in the Neurosurgical Patient. Operative Neurosurgery, 2019, 16, E124-E129.	0.4	2
80	Neurosurgery Research and Education Foundation funding conversion to National Institutes of Health funding. Journal of Neurosurgery, 2022, 136, 287-294.	0.9	2
81	Editorial: Arteriovenous malformations and embolization. Journal of Neurosurgery, 2015, 122, 1490-1491.	0.9	1
82	Completion of Gamma Knife radiosurgery for AVM treatment after unplanned interruptionâ€"technical note. Acta Neurochirurgica, 2018, 160, 1343-1347.	0.9	1
83	P4-234: IMPROVED VASCULAR REACTIVITY AND REDUCED CEREBRAL AMYLOID ANGIOPATHY FOLLOWING PASSIVE IMMUNOTHERAPY IN TRANSGENIC MICE. , 2014, 10, P872-P872.		0
84	Targeting Muscles in the Brain to Enhance Cerebral Perfusion. JACC Basic To Translational Science, 2019, 4, 959-961.	1.9	0
85	Introduction: microsurgical and endovascular management of intracranial dural arteriovenous fistula. Neurosurgical Focus, 2019, 46, Intro.	1.0	0
86	SURG-12. PREDICTORS OF SURVIVAL AND UTILITY OF INTRAOPERATIVE MRI FOR RESECTION OF GRADE II ASTROCYTOMAS AND OLIGODENDROGLIOMAS: A MULTICENTER ANALYSIS. Neuro-Oncology, 2020, 22, ii205-ii206.	0.6	0
87	IMMU-26. UNRAVELING ANTIGEN PRESENTATION IN CENTRAL NERVOUS SYSTEM ANTI-TUMOR IMMUNITY. Neuro-Oncology, 2020, 22, ii110-ii110.	0.6	0
88	Modern management of brain aneurysms and vascular malformations. Missouri Medicine, 2008, 105, 413-9.	0.3	0
89	Risk of Early Versus Later Rebleeding From Dural Arteriovenous Fistulas With Cortical Venous Drainage. Stroke, 2022, 53, 2340-2345.	1.0	0