Michael K Morgan

List of Publications by Year
in descending order

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127 papers	4,620 citations	100601 38 h-index	129628 63 g-index
128 all docs	128 docs citations	128 times ranked	3607 citing authors

#	Article	IF	Citations
1	Morphology-aware multi-source fusionâ€“based intracranial aneurysms rupture prediction. European Radiology, 2022, 32, 5633-5641.	2.3	8
2	A preliminary investigation of radiomics differences between ruptured and unruptured intracranial aneurysms. European Radiology, 2021, 31, 2716-2725.	2.3	22
3	Revascularization surgery for symptomatic non-moyamoya intracranial arterial stenosis or occlusion. Journal of Neurosurgery, 2020, 132, 415-420.	0.9	13
4	In Reply: Risk of First Hemorrhage of Brain Arteriovenous Malformations During Pregnancy: A Systematic Review of the Literature. Neurosurgery, 2019, 85, E1135-E1135.	0.6	2
5	Does evidence-based medicine training improve doctorsâ€™ knowledge, practice and patient outcomes? A systematic review of the evidence. Medical Teacher, 2019, 41, 532-538.	1.0	25
6	Quantitative assessment of changes in hemodynamics of the internal carotid artery after bypass surgery for moyamoya disease. Journal of Neurosurgery, 2018, 129, 677-683.	0.9	27
7	Comparing outcome scales for unruptured intracranial aneurysms: A prospective cohort study. Journal of Clinical Neuroscience, 2018, 58, 56-63.	0.8	3
8	De novo brain arteriovenous malformation after tumor resection: case report and literature review. Acta Neurochirurgica, 2018, 160, 2191-2197.	0.9	4
9	The role of embolization before surgery for Spetzler-Ponce Class B and C brain AVMs: a prospective cohort series. Journal of Neurosurgical Sciences, 2018, 62, 429-436.	0.3	10
10	Cohort studies, trials, and tribulations: systematic review and an evidence-based approach to arteriovenous malformation treatment. Journal of Neurosurgical Sciences, 2018, 62, 444-453.	0.3	5
11	Current Status of Simulation-based Training Tools in Orthopedic Surgery: A Systematic Review. Journal of Surgical Education, 2017, 74, 698-716.	1.2	66
12	Surgical management. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2017, 143, 41-57.	1.0	5
13	Microsurgery for Spetzler-Ponce Class A and B arteriovenous malformations utilizing an outcome score adopted from Gamma Knife radiosurgery: a prospective cohort study. Journal of Neurosurgery, 2017, 127, 1105-1116.	0.9	12
14	Complication-Effectiveness Analysis for Unruptured Intracranial Aneurysm Surgery. Neurosurgery, 2016, 78, 648-659.	0.6	15
15	Brain arteriovenous malformations. Nature Reviews Disease Primers, 2015, 1, 15008.	18.1	203
16	Assessing surgical treatment outcome following superficial temporal artery to middle cerebral artery bypass based on computational haemodynamic analysis. Journal of Biomechanics, 2015, 48, 4053-4058.	0.9	9
17	Long-term plasticity in adult somatosensory cortex: functional reorganization after surgical removal of an arteriovenous malformation. Neurocase, 2015, 21, 618-627.	0.2	1
18	Validation of the Supplemented Spetzler-Martin Grading System for Brain Arteriovenous Malformations in a Multicenter Cohort of 1009 Surgical Patients. Neurosurgery, 2015, 76, 25-33.	0.6	135

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19	ICA aneurysm surgically treated utilizing a choroidal to PCOM bypass and vein bypass. Neurosurgical Focus, 2015, 39, V14.	1.0	1
20	The unruptured intracranial aneurysm treatment score. Neurology, 2015, 85, 881-889.	1.5	301
21	Surgery for high-grade unruptured brain arteriovenous malformations: era for a new paradox?. Acta Neurochirurgica, 2015, 157, 1655-1656.	0.9	1
22	The Risk of Meningitis Following Expanded Endoscopic Endonasal Skull Base Surgery: A Systematic Review. Journal of Neurological Surgery, Part B: Skull Base, 2014, 75, 018-026.	0.4	24
23	Image segmentation methods for intracranial aneurysm haemodynamic research. Journal of Biomechanics, 2014, 47, 1014-1019.	0.9	24
24	Multidisciplinary Consensus on Assessment of Unruptured Intracranial Aneurysms. Stroke, 2014, 45, 1523-1530.	1.0	83
25	Cadaveric study of the endoscopic endonasal transtubercular approach to the anterior communicating artery complex. Journal of Clinical Neuroscience, 2014, 21, 827-832.	0.8	17
26	Role of Surgery in the Management of Brain Arteriovenous Malformations. Stroke, 2014, 45, 3549-3555.	1.0	49
27	Is cerebrovascular neurosurgery sacrificed on the altar of RCTs?. Lancet, The, 2014, 384, 27-28.	6.3	21
28	A systematic review of published evidence on expanded endoscopic endonasal skull base surgery and the risk of postoperative seizure. Journal of Clinical Neuroscience, 2013, 20, 197-203.	0.8	15
29	A cadaveric study of the endoscopic endonasal transclival approach to the basilar artery. Journal of Clinical Neuroscience, 2013, 20, 587-592.	0.8	16
30	Predictors of in-hospital shunt-dependent hydrocephalus following rupture of cerebral aneurysms. Journal of Clinical Neuroscience, 2013, 20, 1134-1138.	0.8	50
31	The risk of seizures during the in-hospital admission for surgical or endovascular treatment of unruptured intracranial aneurysms. Journal of Clinical Neuroscience, 2013, 20, 1498-1502.	0.8	12
32	The failure of preoperative ethylene-vinyl alcohol copolymer embolization to improve outcomes in arteriovenous malformation management: case series. Journal of Neurosurgery, 2013, 118, 969-977.	0.9	47
33	Endoscopic Endonasal Transplanum Approach to the Paraclinoid Internal Carotid Artery. Journal of Neurological Surgery, Part B: Skull Base, 2013, 74, 386-392.	0.4	18
34	Development of Image Segmentation Methods for Intracranial Aneurysms. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	0.7	8
35	Influence of the combination of patient age and deep venous drainage on brain arteriovenous malformation recurrence after surgery. Journal of Neurosurgery, 2012, 117, 934-941.	0.9	45
36	Mean Arterial Pressure Required for Maintaining Patency of Extracranial-to-Intracranial Bypass Grafts. Neurosurgery, 2012, 71, 826-832.	0.6	8

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37	Flow resistance analysis of extracranial-to-intracranial (ECâ€“IC) vein bypass. Journal of Biomechanics, 2012, 45, 1400-1405.	0.9	12
38	The embryologic basis for the anatomy of the cerebral vasculature related to arteriovenous malformations. Journal of Clinical Neuroscience, 2011, 18, 464-469.	0.8	20
39	Academic health science centres in Australia: let's get competitive. Medical Journal of Australia, 2011, 194, 487-488.	0.8	1
40	Therapeutic Decision Making. , 2011, , 4034-4048.		3
41	How Safe Is Arteriovenous Malformation Surgery? A Prospective, Observational Study of Surgery As First-Line Treatment for Brain Arteriovenous Malformations. Neurosurgery, 2010, 66, 498-505.	0.6	117
42	Outcome for Middle Cerebral Artery Aneurysm Surgery. Neurosurgery, 2010, 67, 755-761.	0.6	57
43	The impact of endovascular management on the outcome of aneurysmal subarachnoid hemorrhage in the elderly in Eastern Finland. Acta Neurochirurgica, 2010, 152, 1493-1502.	0.9	38
44	Sex differences in intracranial arterial bifurcations. Gender Medicine, 2010, 7, 149-155.	1.4	47
45	In response to â€˜Medical education: striving for mediocrity?â€™. Medical Education, 2010, 44, 630-630.	1.1	1
46	Ethical dilemma for surgical educators. ANZ Journal of Surgery, 2010, 80, 207-209.	0.3	0
47	Health-related quality of life: a comparison of outcomes after lumbar fusion for degenerative spondylolisthesis with large joint replacement surgery and population norms. Spine Journal, 2010, 10, 306-312.	0.6	40
48	Hemodynamic models of cerebral aneurysms for assessment of effect of vessel geometry on risk of rupture. , 2009, 2009, 2351-3.		5
49	Different responses of cavernous malformations and arteriovenous malformations to radiosurgery. Journal of Clinical Neuroscience, 2009, 16, 945-949.	0.8	26
50	Inflammatory molecule expression in cerebral arteriovenous malformations. Journal of Clinical Neuroscience, 2008, 15, 179-184.	0.8	31
51	Similarities and differences in aneurysmal subarachnoid haemorrhage between eastern Finland and northern Sydney. Journal of Clinical Neuroscience, 2008, 15, 617-621.	0.8	14
52	Computation of Hemodynamics in the Circle of Willis. Stroke, 2007, 38, 2500-2505.	1.0	183
53	How does the participation of a resident surgeon in procedures for small intracranial aneurysms impact patient outcome?. Journal of Neurosurgery, 2007, 106, 961-964.	0.9	20
54	Midterm outcomes of paclitaxel-eluting stents for the treatment of intracranial posterior circulation stenoses. Journal of Neurosurgery, 2007, 106, 222-225.	0.9	63

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55	Thrombotic molecule expression in cerebral vascular malformations. Journal of Clinical Neuroscience, 2007, 14, 975-980.	0.8	18
56	Education programs at the new Australian School of Advanced Medicine at Macquarie University. Medical Journal of Australia, 2007, 187, 685-687.	0.8	3
57	Ultrastructure of Perinidal Capillaries in Cerebral Arteriovenous Malformations. Neurosurgery, 2006, 58, 961-970.	0.6	55
58	Responses of Arteriovenous Malformations to Radiosurgery: Ultrastructural Changes. Neurosurgery, 2006, 58, 749-758.	0.6	42
59	Ultrastructural characteristics of hemorrhagic, nonhemorrhagic, and recurrent cavernous malformations. Journal of Neurosurgery, 2005, 103, 903-909.	0.9	71
60	Bifurcation geometry and the presence of cerebral artery aneurysms. Journal of Neurosurgery, 2004, 101, 108-113.	0.9	137
61	Surgery for unruptured intracranial aneurysms in a low-volume neurosurgical unit. Acta Neurologica Scandinavica, 2004, 110, 170-174.	1.0	11
62	Prospective study of neuropsychological and psychosocial outcome following surgical excision of intracerebral arteriovenous malformations. Journal of Clinical Neuroscience, 2003, 10, 42-47.	0.8	19
63	Barbiturates for acute neurological and neurosurgical emergencies â€“ do they still have a role?. Journal of Clinical Neuroscience, 2003, 10, 283-288.	0.8	20
64	Delayed hemorrhage following resection of an arteriovenous malformation in the brain. Journal of Neurosurgery, 2003, 99, 967-971.	0.9	31
65	High-grade arteriovenous malformations andtheir management. Journal of Clinical Neuroscience, 2002, 9, 37-40.	0.8	28
66	Magnesium: a useful adjunct in the prevention of cerebral vasospasm following aneurysmal subarachnoid haemorrhage. Journal of Clinical Neuroscience, 2002, 9, 279-281.	0.8	65
67	Bypass to the intracranial internal carotid artery. Journal of Clinical Neuroscience, 2002, 9, 418-424.	0.8	34
68	Steal Affecting the Central Nervous System. Neurosurgery, 2002, 51, 856-857.	0.6	0
69	Steal Affecting the Central Nervous System. Neurosurgery, 2002, 51, 856-857.	0.6	0
70	Haemodynamics of arteriovenous malformations of the brain and consequences of resection: a review. Journal of Clinical Neuroscience, 2001, 8, 216-224.	0.8	29
71	The surgical management of contralateral anterior circulation intracranial aneurysms. Journal of Clinical Neuroscience, 2001, 8, 319-324.	0.8	22
72	Spinal arteriovenous malformations: a review with case illustrations. Journal of Clinical Neuroscience, 2001, 8, 299-304.	0.8	49

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73	Prolonged Thiopentone Infusion for Neurosurgical Emergencies: Usefulness of Therapeutic Drug Monitoring. Anaesthesia and Intensive Care, 2001, 29, 339-348.	0.2	21
74	Angioplasty and Stenting in the Posterior Cerebral Circulation. Journal of Endovascular Therapy, 2001, 8, 558-565.	0.8	24
75	Angioplasty and Stenting in the Posterior Cerebral Circulation. Journal of Endovascular Therapy, 2001, 8, 558-565.	0.8	12
76	Microsurgery for Small Arteriovenous Malformations of the Brain: Results in 110 Consecutive Patients. Neurosurgery, 2000, 47, 571-577.	0.6	4
77	Microsurgery for Small Arteriovenous Malformations of the Brain: Results in 110 Consecutive Patients. Neurosurgery, 2000, 47, 571-577.	0.6	72
78	Postoperative seizure outcome in a series of 114 patients with supratentorial arteriovenous malformations. Journal of Clinical Neuroscience, 2000, 7, 107-111.	0.8	55
79	Aggressive management of aneurysmal subarachnoid haemorrhage based on a papaverine angioplasty protocol. Journal of Clinical Neuroscience, 2000, 7, 305-308.	0.8	38
80	Changing role for preoperative embolisation in the management of arteriovenous malformations of the brain. Journal of Clinical Neuroscience, 2000, 7, 527-530.	0.8	51
81	Barbiturate coma for severe, refractory vasospasm following subarachnoid haemorrhage. Intensive Care Medicine, 1999, 25, 406-409.	3.9	24
82	Delayed neurological deterioration following resection of arteriovenous malformations of the brain. Journal of Neurosurgery, 1999, 90, 695-701.	0.9	71
83	Outcome from treatment for spinal arteriovenous malformation. Neurosurgery Clinics of North America, 1999, 10, 113-9.	0.8	6
84	Long-term potentiation saturation in chronic cerebral hypoperfusion. Journal of Clinical Neuroscience, 1998, 5, 323-328.	0.8	11
85	Role of inhibition in chronic cerebral hypoperfusion. Journal of Clinical Neuroscience, 1998, 5, 423-428.	0.8	7
86	Morbidity of Intracranial Hemorrhage in Patients With Cerebral Arteriovenous Malformation. Stroke, 1998, 29, 2001-2003.	1.0	10
87	Combined Endovascular Stent Implantation and Endosaccular Coil Placement for the Treatment of a Wide-necked Vertebral Artery Aneurysm: Technical Case Report. Neurosurgery, 1998, 43, 380-383.	0.6	181
88	Normal perfusion pressure breakthrough: the role of capillaries. Journal of Neurosurgery, 1997, 86, 519-524.	0.9	82
89	Surgery for cerebral arteriovenous malformation: risks related to lenticulostriate arterial supply. Journal of Neurosurgery, 1997, 86, 801-805.	0.9	67
90	Chronic Cerebral Hypoperfusion: Pathological and Behavioral Consequences. Neurosurgery, 1997, 40, 548-556.	0.6	24

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91	Chronic Cerebral Hypoperfusion Inhibits Calcium-Induced Long-term Potentiation in Rats. Stroke, 1997, 28, 1043-1048.	1.0	21
92	Chronic Cerebral Hypoperfusion: Pathological and Behavioral Consequences. Neurosurgery, 1997, 40, 548-556.	0.6	42
93	Effective management of cerebral vasospasm with balloon angioplasty after failed papaverine angioplasty. Journal of Clinical Neuroscience, 1996, 3, 162-165.	0.8	2
94	Chronic cerebral hypoperfusion in the rat: temporal delineation of effects and the in vitro ischemic threshold. Brain Research, 1995, 704, 107-111.	1.1	18
95	The use of intraarterial papaverine in the management of vasospasm complicating arteriovenous malformation resection. Journal of Neurosurgery, 1995, 82, 296-299.	0.9	26
96	Recurrent lymphomatoid granulomatosis and isolated CNS involvement. Journal of Clinical Neuroscience, 1995, 2, 163-166.	0.8	3
97	Management of small arteriovenous malformations of the brain. Journal of Clinical Neuroscience, 1995, 2, 312-315.	0.8	2
98	Familial cavernous angioma without clinical haemorrhage. Journal of Clinical Neuroscience, 1995, 2, 224-228.	0.8	1
99	Dural arteriovenous malformation causing brainstem haemorrhage. Journal of Clinical Neuroscience, 1995, 2, 271-273.	0.8	1
100	Delayed referral of patients with aneurysmal subarachnoid haemorrhage. Medical Journal of Australia, 1995, 162, 310-311.	0.8	9
101	Syndactyly and intracranial arteriovenous malformation: case report. British Journal of Neurosurgery, 1994, 8, 377-380.	0.4	3
102	Extracranial-intracranial saphenous vein bypass for carotid or vertebral artery dissections: a report of six cases. Journal of Neurosurgery, 1994, 80, 237-246.	0.9	86
103	The haemodynamic consequences of a carotid-jugular fistula in the rat during hypocapnia. Journal of Clinical Neuroscience, 1994, 1, 193-196.	0.8	3
104	Intra-arterial papaverine in the management of cerebral vasospasm following subarachnoid haemorrhage. Journal of Clinical Neuroscience, 1994, 1, 42-46.	0.8	13
105	Successful Treatment of an Acute Thrombosis of an Intracranial Vertebral Artery Endarterectomy with Urokinase. Neurosurgery, 1994, 35, 978-981.	0.6	6
106	Chronic cerebral hypoperfusion and impaired neuronal function in rats.. Stroke, 1994, 25, 1022-1027.	1.0	62
107	Complications of surgery for arteriovenous malformations of the brain. Journal of Neurosurgery, 1993, 78, 176-182.	0.9	96
108	A Ventricular Infusion Technique for the Evaluation of Treated and Untreated Hydrocephalus. , 1993, 29, 821-823.		6

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109	CONTROVERSIES IN THE MANAGEMENT OF BRAINSTEM CAVERNOUS ANGIOMA: REPORT OF TWO CASES. ANZ Journal of Surgery, 1992, 62, 763-767.	0.3	9
110	A Familial Coincidence of Pseudotumor Cerebri and Communicating Hydrocephalus. Neurosurgery, 1991, 28, 727-729.	0.6	15
111	A Ventricular Infusion Technique for the Evaluation of Treated and Untreated Hydrocephalus. Neurosurgery, 1991, 29, 832-837.	0.6	11
112	Ventricular Volume in Infantile Hydrocephalus and Its Relationship to Intracranial Pressure and Cerebrospinal Fluid Clearance before and after Treatment. Pediatric Neurosurgery, 1990, 16, 191-196.	0.4	14
113	Management of spinal dural arteriovenous malformations. Journal of Neurosurgery, 1989, 70, 832-836.	0.9	127
114	A model of the pathophysiology of cerebral arteriovenous malformations by a carotid-jugular fistula in the rat. Brain Research, 1989, 496, 241-250.	1.1	75
115	The Effects of Hyperventilation on Cerebral Blood Flow in the Rat with an Open and Closed Carotid-Jugular Fistula. Neurosurgery, 1989, 25, 606-612.	0.6	34
116	Arterio-inferior Sagittal Sinus Fistulae: Case Report. Neurosurgery, 1989, 25, 971-975.	0.6	9
117	The effects of hyperventilation on cerebral blood flow in the rat with an open and closed carotid-jugular fistula. Neurosurgery, 1989, 25, 606.	0.6	12
118	Arterio-inferior sagittal sinus fistulae. Neurosurgery, 1989, 25, 971.	0.6	3
119	The case against staged operative resection of cerebral arteriovenous malformations. Neurosurgery, 1989, 25, 429.	0.6	10
120	The Case Against Staged Operative Resection of Cerebral Arteriovenous Malformations. Neurosurgery, 1989, 25, 429-436.	0.6	45
121	Normal Perfusion Pressure Breakthrough Complicating Surgery for the Vein of Galen Malformation: Report of Three Cases. Neurosurgery, 1989, 24, 406-410.	0.6	26
122	Intracerebral hemorrhage after carotid endarterectomy. Journal of Neurosurgery, 1988, 68, 532-536.	0.9	351
123	Intracranial arteriovenous malformations: an 11â€year experience. Medical Journal of Australia, 1988, 148, 65-68.	0.8	3
124	Cerebral arteriovenous malformations, steal, and the hypertensive breakthrough threshold. Journal of Neurosurgery, 1987, 66, 563-567.	0.9	51
125	Treatment of intracranial aneurysms by combined proximal ligation and extracranial-intracranial bypass with vein graft. World Neurosurgery, 1986, 26, 85-91.	1.3	13
126	Pseudoaneurysm complicating superficial temporal artery-superior cerebellar artery bypass. World Neurosurgery, 1986, 26, 277-281.	1.3	19

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127	Psychological improvement following arteriovenous malformation excision. Journal of Neurosurgery, 1975, 42, 452-456.	0.9	16