

M T Lawton

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,874
citations

257101

24
h-index

174990

52
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all docs

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docs citations

61
times ranked

2219
citing authors

#	ARTICLE	IF	CITATIONS
1	A Supplementary Grading Scale for Selecting Patients With Brain Arteriovenous Malformations for Surgery. <i>Neurosurgery</i> , 2010, 66, 702-713.	0.6	370
2	The unruptured intracranial aneurysm treatment score. <i>Neurology</i> , 2015, 85, 881-889.	1.5	301
3	Spetzler-Martin Grade III Arteriovenous Malformations: Surgical Results and a Modification of the Grading Scale. <i>Neurosurgery</i> , 2003, 52, 740-749.	0.6	226
4	Effect of Presenting Hemorrhage on Outcome after Microsurgical Resection of Brain Arteriovenous Malformations. <i>Neurosurgery</i> , 2005, 56, 485-493.	0.6	149
5	Current surgical results with low-grade brain arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2015, 122, 912-920.	0.9	145
6	Validation of the Supplemented Spetzler-Martin Grading System for Brain Arteriovenous Malformations in a Multicenter Cohort of 1009 Surgical Patients. <i>Neurosurgery</i> , 2015, 76, 25-33.	0.6	135
7	Polymorphisms in Genes Involved in Inflammatory and Angiogenic Pathways and the Risk of Hemorrhagic Presentation of Brain Arteriovenous Malformations. <i>Stroke</i> , 2004, 35, 2294-2300.	1.0	134
8	Bypass surgery for complex middle cerebral artery aneurysms: an algorithmic approach to revascularization. <i>Journal of Neurosurgery</i> , 2017, 127, 463-479.	0.9	120
9	Pediatric Intracranial Nongalenic Pial Arteriovenous Fistulas: Clinical Features, Angioarchitecture, and Outcomes. <i>American Journal of Neuroradiology</i> , 2012, 33, 1710-1719.	1.2	88
10	Hemorrhage Rates and Risk Factors in the Natural History Course of Brain Arteriovenous Malformations. <i>Translational Stroke Research</i> , 2014, 5, 538-542.	2.3	82
11	Distal Aneurysms of Intracranial Arteries: Application of Numerical Nomenclature, Predilection for Cerebellar Arteries, and Results of Surgical Management. <i>World Neurosurgery</i> , 2013, 80, 103-112.	0.7	81
12	A treatment paradigm for high-grade brain arteriovenous malformations: volume-staged radiosurgical downgrading followed by microsurgical resection. <i>Journal of Neurosurgery</i> , 2015, 122, 419-432.	0.9	78
13	Intracranial-to-intracranial bypass for posterior inferior cerebellar artery aneurysms: options, technical challenges, and results in 35 patients. <i>Journal of Neurosurgery</i> , 2016, 124, 1275-1286.	0.9	73
14	Surgical Strategies for Giant Intracranial Aneurysms. <i>Acta Neurochirurgica Supplementum</i> , 1999, 72, 141-156.	0.5	67
15	Anatomical triangles defining surgical routes to posterior inferior cerebellar artery aneurysms. <i>Journal of Neurosurgery</i> , 2011, 114, 1088-1094.	0.9	66
16	RISK FACTORS FOR HEMORRHAGIC PRESENTATION IN PATIENTS WITH DURAL ARTERIOVENOUS FISTULAE. <i>Neurosurgery</i> , 2008, 62, 628-635.	0.6	65
17	Brainstem arteriovenous malformations: anatomical subtypes, assessment of "occlusion in situ" technique, and microsurgical results. <i>Journal of Neurosurgery</i> , 2015, 122, 107-117.	0.9	62
18	Ferumoxytol-Enhanced MRI to Image Inflammation Within Human Brain Arteriovenous Malformations: a Pilot Investigation. <i>Translational Stroke Research</i> , 2012, 3, 166-173.	2.3	48

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19	Association between Venous Angioarchitectural Features of Sporadic Brain Arteriovenous Malformations and Intracranial Hemorrhage. <i>American Journal of Neuroradiology</i> , 2015, 36, 949-952.	1.2	44
20	Silent Arteriovenous Malformation Hemorrhage and the Recognition of "Unruptured" Arteriovenous Malformation Patients Who Benefit From Surgical Intervention. <i>Neurosurgery</i> , 2015, 76, 592-600.	0.6	38
21	The AVICH Score: A Novel Grading System to Predict Clinical Outcome in Arteriovenous Malformation-Related Intracerebral Hemorrhage. <i>World Neurosurgery</i> , 2016, 92, 292-297.	0.7	38
22	Comparison of clipping and coiling in elderly patients with unruptured cerebral aneurysms. <i>Journal of Neurosurgery</i> , 2017, 126, 811-818.	0.9	38
23	Higher Flow Is Present in Unruptured Arteriovenous Malformations With Silent Intralesional Microhemorrhages. <i>Stroke</i> , 2017, 48, 2881-2884.	1.0	35
24	<i>EPHB4</i> Gene Polymorphisms and Risk of Intracranial Hemorrhage in Patients With Brain Arteriovenous Malformations. <i>Circulation: Cardiovascular Genetics</i> , 2009, 2, 476-482.	5.1	33
25	The Application of the Novel Grading Scale (Lawton-Young Grading System) to Predict the Outcome of Brain Arteriovenous Malformation. <i>Neurosurgery</i> , 2019, 84, 529-536.	0.6	25
26	Pial Artery Supply as an Anatomic Risk Factor for Ischemic Stroke in the Treatment of Intracranial Dural Arteriovenous Fistulas. <i>American Journal of Neuroradiology</i> , 2017, 38, 2315-2320.	1.2	22
27	Spetzler-Martin Grade III Arteriovenous Malformations: A Multicenter Propensity-Adjusted Analysis of the Effects of Preoperative Embolization. <i>Neurosurgery</i> , 2021, 88, 996-1002.	0.6	22
28	Transpetrosal and combination approaches to skull base lesions. <i>Clinical Neurosurgery</i> , 1996, 43, 91-112.	0.2	22
29	The transperiosteal "inside-out" occipital artery harvesting technique. <i>Journal of Neurosurgery</i> , 2018, 130, 207-212.	0.9	20
30	The effect of preoperative embolization and flow dynamics on resection of brain arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2020, 132, 1836-1844.	0.9	19
31	Progressive versus Nonprogressive Intracranial Dural Arteriovenous Fistulas: Characteristics and Outcomes. <i>American Journal of Neuroradiology</i> , 2015, 36, 1912-1919.	1.2	18
32	The artery of Wollschlaeger and Wollschlaeger: an anatomical-clinical illustration. <i>British Journal of Neurosurgery</i> , 2017, 31, 593-595.	0.4	16
33	Surgical strategies for giant intracranial aneurysms. <i>Neurosurgery Clinics of North America</i> , 1998, 9, 725-42.	0.8	16
34	Classification Schemes for Arteriovenous Malformations. <i>Neurosurgery Clinics of North America</i> , 2012, 23, 43-53.	0.8	15
35	Posterior inferior cerebellar artery reimplantation: buffer lengths, perforator anatomy, and technical limitations. <i>Journal of Neurosurgery</i> , 2016, 125, 909-914.	0.9	15
36	Digital subtraction cerebral angiography after negative computed tomography angiography findings in non-traumatic subarachnoid hemorrhage. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 526-530.	2.0	15

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37	Microsurgical resection of brain arteriovenous malformations in the elderly: outcomes analysis and risk stratification. <i>Journal of Neurosurgery</i> , 2018, 129, 1107-1113.	0.9	14
38	“Picket Fence” clipping technique for large and complex aneurysms. <i>Neurosurgical Focus</i> , 2015, 39, V17.	1.0	13
39	A novel proposed grading system for cerebellar arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2020, 132, 1105-1115.	0.9	12
40	Spetzler-Martin Grade III Arteriovenous Malformations: A Comparison of Modified and Supplemented Spetzler-Martin Grading Systems. <i>Neurosurgery</i> , 2021, 88, 1103-1110.	0.6	9
41	Medicare expenditures for elderly patients undergoing surgical clipping or endovascular intervention for unruptured cerebral aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 324-328.	2.0	7
42	Isolated abducens nerve palsy associated with subarachnoid hemorrhage: a localizing sign of ruptured posterior inferior cerebellar artery aneurysms. <i>Journal of Neurosurgery</i> , 2018, 128, 1830-1838.	0.9	7
43	Inhibition of pathological brain angiogenesis through systemic delivery of AAV vector expressing soluble FLT1. <i>Gene Therapy</i> , 2015, 22, 893-900.	2.3	6
44	Excision and Primary Reanastomosis of the Anterior Inferior Cerebellar Artery for Treatment of a Ruptured Mycotic Aneurysm: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 19, E58-E59.	0.4	6
45	Reimplantation Bypass Using One Limb of a Double-Origin Posterior Inferior Cerebellar Artery for Treatment of a Ruptured Fusiform Aneurysm: Case Report. <i>Operative Neurosurgery</i> , 2020, 19, E314-E319.	0.4	6
46	Vertebrobasilar dissecting aneurysms: microsurgical management in 42 patients. <i>Journal of Neurosurgery</i> , 2022, 137, 393-401.	0.9	5
47	Double-Barrel Superficial Temporal Artery-M2 Middle Cerebral Artery Bypass and Creation of a Middle Communicating Artery via M2-M2 End-to-End Reimplantation for Trapping of a Dolichoectatic Middle Cerebral Artery Aneurysm: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 19, E521-E522.	0.4	4
48	Left Vertebral Artery to Common Carotid Artery Transposition in a Patient With Bilateral Vertebral Insufficiency: 3-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 19, E301-E302.	0.4	4
49	Intraventricular Tissue Plasminogen Activator and Shunt Dependency in Aneurysmal Subarachnoid Hemorrhage Patients With Cast Ventricles. <i>Neurosurgery</i> , 2021, 89, 973-977.	0.6	4
50	Microsurgical Treatment of Cerebral Aneurysms. <i>World Neurosurgery</i> , 2022, 159, 250-258.	0.7	4
51	Effects of Preoperative Embolization on Spetzler-Martin Grade I and II Arteriovenous Malformations: A Propensity-Adjusted Analysis. <i>Neurosurgery</i> , 2022, 90, 92-98.	0.6	4
52	Creation of a Middle Communicating Artery With External Carotid Artery-Radial Artery Graft-M2 Middle Cerebral Artery Interpositional Bypass and M2 Middle Cerebral Artery-M2 Middle Cerebral Artery Reimplantation for a Recurrent Middle Cerebral Artery Aneurysm: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 20, E44-E45.	0.4	3
53	Evolution of Intracranial-Intracranial Bypass Surgery: A Bibliometric Analysis. <i>World Neurosurgery</i> , 2022, 162, 177-182.e9.	0.7	3
54	Microsurgical Anatomy of the Meningeal Branch of the Dorsolateral Medullary Plexus. <i>Operative Neurosurgery</i> , 2020, 18, E197-E204.	0.4	0

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55	Far Lateral Craniotomy and Occlusion In Situ of a Lateral Medullary Arteriovenous Malformation: 2-Dimensional Operative Video. Operative Neurosurgery, 2020, 19, E423-E423.	0.4	0
56	An a3-Anterior Inferior Cerebellar Artery to p3-Posterior Inferior Cerebellar Artery Bypass With Thrombectomy and Trapping of an Anterior Inferior Cerebellar Artery Aneurysm: 3-Dimensional Operative Video. Operative Neurosurgery, 2020, 19, E311-E312.	0.4	0
57	Commentary: The Ruptured Arteriovenous Malformation Grading Scale (RAGS): An Extension of the Hunt and Hess Scale to Predict Clinical Outcome for Patients With Ruptured Brain Arteriovenous Malformations. Neurosurgery, 2020, 87, E99-E100.	0.6	0
58	Pseudoaneurysm Trapping and Reanastomosis of the Posterior Inferior Cerebellar Artery After Prior Microvascular Decompressions for Hemifacial Spasm. Neurosurgery Open, 2021, 2, .	0.7	0
59	Commentary: External Validation of the R2eD AVM Score to Predict the Likelihood of Rupture Presentation of Brain Arteriovenous Malformations. Neurosurgery, 2021, 89, E162-E164.	0.6	0
60	Surgical Anatomy of the Middle Communicating Artery and Guidelines for Predicting the Feasibility of M2-M2 End-to-End Reimplantation. Operative Neurosurgery, 2022, 22, 328-336.	0.4	0