

Bawarjan Schatlo

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,151
citations

279798

23
h-index

243625

44
g-index

69
all docs

69
docs citations

69
times ranked

2885
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinically relevant complications related to pedicle screw placement in thoracolumbar surgery and their management: a literature review of 35,630 pedicle screws. <i>Neurosurgical Focus</i> , 2011, 31, E8.	2.3	183
2	Safety and accuracy of robot-assisted versus fluoroscopy-guided pedicle screw insertion for degenerative diseases of the lumbar spine: a matched cohort comparison. <i>Journal of Neurosurgery: Spine</i> , 2014, 20, 636-643.	1.7	177
3	Accuracy of robot-guided versus freehand fluoroscopy-assisted pedicle screw insertion in thoracolumbar spinal surgery. <i>Neurosurgical Focus</i> , 2017, 42, E14.	2.3	156
4	Risk of Rupture of Small Anterior Communicating Artery Aneurysms Is Similar to Posterior Circulation Aneurysms. <i>Stroke</i> , 2013, 44, 3018-3026.	2.0	135
5	Robotic versus fluoroscopy-guided pedicle screw insertion for metastatic spinal disease: a matched-cohort comparison. <i>Neurosurgical Focus</i> , 2017, 42, E13.	2.3	115
6	Predictors of In-Hospital Death After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2018, 49, 333-340.	2.0	99
7	Unskilled unawareness and the learning curve in robotic spine surgery. <i>Acta Neurochirurgica</i> , 2015, 157, 1819-1823.	1.7	94
8	Fluorescence and image guided resection in high grade glioma. <i>Clinical Neurology and Neurosurgery</i> , 2012, 114, 37-41.	1.4	88
9	Subarachnoid haemorrhage WFNS grade V: is maximal treatment worthwhile?. <i>Acta Neurochirurgica</i> , 2013, 155, 579-586.	1.7	68
10	Characterisation of tumour-derived microvesicles in cancer patients' blood and correlation with clinical outcome. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1340745.	12.2	65
11	Validation of Dynamic Contrast-Enhanced Magnetic Resonance Imaging-Derived Vascular Permeability Measurements Using Quantitative Autoradiography in the RG2 Rat Brain Tumor Model. <i>Neoplasia</i> , 2007, 9, 546-555.	5.3	64
12	PI3K: A master regulator of brain metastasis-promoting macrophages/microglia. <i>Glia</i> , 2018, 66, 2438-2455.	4.9	59
13	Delayed Cerebral Ischemia Predicts Neurocognitive Impairment Following Aneurysmal Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2014, 82, e599-e605.	1.3	51
14	Outcomes after combined use of intraoperative MRI and 5-aminolevulinic acid in high-grade glioma surgery. <i>Neuro-Oncology</i> , 2015, 17, 1560-1567.	1.2	50
15	Incidence and Outcome of Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2021, 52, 344-347.	2.0	49
16	Relative survival of patients with supratentorial low-grade gliomas. <i>Neuro-Oncology</i> , 2012, 14, 1062-1069.	1.2	48
17	Subarachnoid hemorrhage and negative angiography: clinical course and long-term follow-up. <i>Neurosurgical Review</i> , 2011, 34, 477-484.	2.4	45
18	Intraoperative angiography reloaded: a new hybrid operating theater for combined endovascular and surgical treatment of cerebral arteriovenous malformations: a pilot study on 25 patients. <i>Acta Neurochirurgica</i> , 2013, 155, 2071-2078.	1.7	41

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19	The Barrow Neurological Institute Grading Scale as a Predictor for Delayed Cerebral Ischemia and Outcome After Aneurysmal Subarachnoid Hemorrhage: Data From a Nationwide Patient Registry (Swiss) Tj ETQq1 1.0.7843149rgBT /Ov	1.0.7843149	37
20	Introducing a nationwide registry: the Swiss study on aneurysmal subarachnoid haemorrhage (Swiss) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	37
21	Call for uniform neuropsychological assessment after aneurysmal subarachnoid hemorrhage: Swiss recommendations. Acta Neurochirurgica, 2015, 157, 1449-1458.	1.7	35
22	Robot guidance for percutaneous minimally invasive placement of pedicle screws for pyogenic spondylodiscitis is associated with lower rates of wound breakdown compared to conventional fluoroscopy-guided instrumentation. Neurosurgical Review, 2018, 41, 489-496.	2.4	30
23	Current practice in neuropsychological outcome reporting after aneurysmal subarachnoid haemorrhage. Acta Neurochirurgica, 2013, 155, 2045-2051.	1.7	25
24	Clinical Applications of Transcranial Doppler Sonography. Reviews on Recent Clinical Trials, 2007, 2, 49-57.	0.8	22
25	Report of Selective Cortical Infarcts in the Primate Clot Model of Vasospasm After Subarachnoid Hemorrhage. Neurosurgery, 2010, 67, 721-729.	1.1	22
26	Home-Time as a Surrogate Marker for Functional Outcome After Aneurysmal Subarachnoid Hemorrhage. Stroke, 2018, 49, 3081-3084.	2.0	22
27	Identification of specific age groups with a high risk for developing cerebral vasospasm after aneurysmal subarachnoid hemorrhage. Neurosurgical Review, 2016, 39, 429-436.	2.4	18
28	Nitrite Does Not Provide Additional Protection to Thrombolysis in a Rat Model of Stroke with Delayed Reperfusion. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 482-489.	4.3	17
29	A multi-center retrospective analysis of treatment effects and quality of life in adult patients with cranial ependymomas. Journal of Neuro-Oncology, 2013, 114, 319-327.	2.9	17
30	Clinical evaluation and surgical decision making for patients with lumbar discogenic pain and facet syndrome. European Journal of Radiology, 2015, 84, 765-770.	2.6	17
31	Spontaneous occlusion of a spinal arteriovenous malformation: is treatment always necessary?. Journal of Neurosurgery: Spine, 2010, 12, 397-401.	1.7	16
32	Development of a Complication- and Treatment-Aware Prediction Model for Favorable Functional Outcome in Aneurysmal Subarachnoid Hemorrhage Based on Machine Learning. Neurosurgery, 2021, 88, E150-E157.	1.1	16
33	Predictors of ventricular tension pneumocephalus after posterior fossa surgery in the sitting position. Acta Neurochirurgica, 2018, 160, 525-538.	1.7	15
34	Hemangioblastomas and Neurogenic Polyglobulia. Neurosurgery, 2013, 72, 930-935.	1.1	13
35	Associations of Collagen Type I $\alpha 2$ Polymorphisms with the Presence of Intracranial Aneurysms in Patients from Germany. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 356-360.	1.6	13
36	Subarachnoid hemorrhage and the distribution of drugs delivered into the cerebrospinal fluid. Journal of Neurosurgery, 2009, 111, 1001-1007.	1.6	12

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37	The European Robotic Spinal Instrumentation (EUROSPIN) study: protocol for a multicentre prospective observational study of pedicle screw revision surgery after robot-guided, navigated and freehand thoracolumbar spinal fusion. <i>BMJ Open</i> , 2019, 9, e030389.	1.9	12
38	CONTINUOUS NEUROMONITORING USING TRANSCRANIAL DOPPLER REFLECTS BLOOD FLOW DURING CARBON DIOXIDE CHALLENGE IN PRIMATES WITH GLOBAL CEREBRAL ISCHEMIA. <i>Neurosurgery</i> , 2009, 64, 1148-1154.	1.1	11
39	Validation and accuracy of intraoperative CT scan using the Philips AlluraXper FD20 angiography suite for assessment of spinal instrumentation. <i>British Journal of Neurosurgery</i> , 2017, 31, 741-746.	0.8	11
40	Measuring the Impact of Delayed Cerebral Ischemia on Neuropsychological Outcome After Aneurysmal Subarachnoid Hemorrhageâ€”Protocol of a Swiss Nationwide Observational Study (MoCAâ€”DCI Study). <i>Neurosurgery</i> , 2019, 84, 1124-1132.	1.1	11
41	Development and external validation of a clinical prediction model for functional impairment after intracranial tumor surgery. <i>Journal of Neurosurgery</i> , 2021, 134, 1743-1750.	1.6	11
42	Ruptured PICA aneurysms: presentation and treatment outcomes compared to other posterior circulation aneurysms. A Swiss SOS study. <i>Acta Neurochirurgica</i> , 2019, 161, 1325-1334.	1.7	10
43	5-Aminolevulinic Acid Fluorescence Indicates Perilesional Brain Infiltration in Brain Metastases. <i>World Neurosurgery: X</i> , 2020, 5, 100069.	1.1	10
44	Combined Applications of Repurposed Drugs and Their Detrimental Effects on Glioblastoma Cells. <i>Anticancer Research</i> , 2019, 39, 207-214.	1.1	9
45	Cervical Spine Prospective Feasibility Study. <i>Clinical Neuroradiology</i> , 2019, 29, 523-532.	1.9	9
46	Intracranial Aneurysm Rupture Is Predicted by Measures of Solar Activity. <i>World Neurosurgery</i> , 2015, 83, 588-595.	1.3	8
47	Ruptured posterior circulation aneurysms: epidemiology, patterns of care, and outcomes from the Swiss SOS national registry. <i>Acta Neurochirurgica</i> , 2019, 161, 769-779.	1.7	8
48	Survival after resection of brain metastases with white light microscopy versus fluorescence-guidance: A matched cohort analysis of the Metastasis study data. <i>Oncotarget</i> , 2020, 11, 3026-3034.	1.8	8
49	Contrast-enhanced shunt series (â€œshuntographyâ€) compare favorably to other shunt imaging modalities in detecting shunt occlusion. <i>Acta Neurochirurgica</i> , 2017, 159, 63-70.	1.7	7
50	Cerebral metastases: do size, peritumoral edema, or multiplicity predict infiltration into brain parenchyma?. <i>Acta Neurochirurgica</i> , 2019, 161, 1037-1045.	1.7	7
51	Do we underdiagnose osteoporosis in patients with pyogenic spondylodiscitis?. <i>Neurosurgical Focus</i> , 2020, 49, E16.	2.3	6
52	Gravity assisted vs. medium pressure valves for communicating hydrocephalus show similar valve-revision rates. <i>Acta Neurochirurgica</i> , 2013, 155, 1987-1991.	1.7	5
53	Computed tomography angiography spot sign predicts intraprocedural aneurysm rupture in subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2017, 159, 1305-1312.	1.7	5
54	Test-Retest Reliability of Outpatient Telemetric Intracranial Pressure Measurements in Shunt-Dependent Patients with Hydrocephalus and Idiopathic Intracranial Hypertension. <i>World Neurosurgery</i> , 2019, 131, e74-e80.	1.3	5

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55	Association of single and multiple aneurysms with tobacco abuse: an @neurIST risk analysis. Neurosurgical Focus, 2019, 47, E9.	2.3	5
56	Patterns of care for ruptured aneurysms of the middle cerebral artery: analysis of a Swiss national database (Swiss SOS). Journal of Neurosurgery, 2019, , 1-10.	1.6	5
57	Cerebral blood flow reactivity in patients undergoing selective amygdalohippocampectomy for epilepsy of mesial temporal origin. A prospective randomized comparison of the trans-Sylvian and the transcortical approach. Neurological Research, 2015, 37, 1037-1046.	1.3	3
58	Clip-retraction of the superficial Sylvian vein to enhance visualization in â€œretractorlessâ€•aneurysm surgery. Acta Neurochirurgica, 2016, 158, 229-232.	1.7	3
59	Cyclic alternation of paraplegia and leg pain as symptoms of a giant spontaneous spinal epidural haematoma. Acta Neurochirurgica, 2014, 156, 2155-2157.	1.7	2
60	Safety aspects of opioid-naïve patients with high-grade glioma treated with D,L-Methadone: an observational case series. Neurosurgical Review, 2021, 44, 579-586.	2.4	2
61	The Robotic Arm Guidance Systems: Principles and Indications. , 2018, , 23-35.		1
62	Complications, length of hospital stay and cost of care after surgery for pyogenic spondylodiscitis. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2022, 0, .	0.8	1
63	The role of discectomy in reducing infectious complications after surgery for lumbar spondylodiscitis. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2022, 0, .	0.8	1
64	Quantification, self-renewal, and genetic tracing of FL1+ tumor-initiating cells in a large cohort of human gliomas. Neuro-Oncology, 2012, 14, 720-735.	1.2	0
65	Delayed paraplegia due to â€œsurgicelomaâ€•following thoracotomy for a Pancoast tumor. Acta Neurochirurgica, 2013, 155, 1243-1244.	1.7	0
66	Chronic problems after gunshot injuries to the spine. Spine Journal, 2016, 16, 1034-1035.	1.3	0