

Timothy R Smith

List of Publications by Year in descending order

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Version: 2024-02-01

267
papers

6,247
citations

76196

40
h-index

118652

62
g-index

270
all docs

270
docs citations

270
times ranked

7829
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning and Neurosurgical Outcome Prediction: A Systematic Review. <i>World Neurosurgery</i> , 2018, 109, 476-486.e1.	0.7	302
2	Natural and Artificial Intelligence in Neurosurgery: A Systematic Review. <i>Neurosurgery</i> , 2018, 83, 181-192.	0.6	182
3	Neurological toxicities associated with chimeric antigen receptor T-cell therapy. <i>Brain</i> , 2019, 142, 1334-1348.	3.7	166
4	Malpractice Liability and Defensive Medicine: A National Survey of Neurosurgeons. <i>PLoS ONE</i> , 2012, 7, e39237.	1.1	141
5	Randomized Phase II and Biomarker Study of Pembrolizumab plus Bevacizumab versus Pembrolizumab Alone for Patients with Recurrent Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 1048-1057.	3.2	129
6	Agents for fluorescence-guided glioma surgery: a systematic review of preclinical and clinical results. <i>Acta Neurochirurgica</i> , 2017, 159, 151-167.	0.9	119
7	Length of hospital stay after craniotomy for tumor: a National Surgical Quality Improvement Program analysis. <i>Neurosurgical Focus</i> , 2015, 39, E12.	1.0	118
8	An introduction and overview of machine learning in neurosurgical care. <i>Acta Neurochirurgica</i> , 2018, 160, 29-38.	0.9	116
9	Predictors of unplanned readmission in patients undergoing lumbar decompression: multi-institutional analysis of 7016 patients. <i>Journal of Neurosurgery: Spine</i> , 2014, 20, 606-616.	0.9	102
10	The endoscopic endonasal approach is not superior to the microscopic transcranial approach for anterior skull base meningiomas—a meta-analysis. <i>Acta Neurochirurgica</i> , 2018, 160, 59-75.	0.9	93
11	Thirty-day readmission and reoperation after surgery for spinal tumors: a National Surgical Quality Improvement Program analysis. <i>Neurosurgical Focus</i> , 2016, 41, E5.	1.0	92
12	Comparison of the Efficacy and Safety of Endovascular Coiling Versus Microsurgical Clipping for Unruptured Middle Cerebral Artery Aneurysms: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2015, 84, 942-953.	0.7	85
13	Predictors of Thirty-Day Readmission After Anterior Cervical Fusion. <i>Spine</i> , 2014, 39, 127-133.	1.0	83
14	Gross total resection of pituitary adenomas after endoscopic vs. microscopic transsphenoidal surgery: a meta-analysis. <i>Acta Neurochirurgica</i> , 2018, 160, 1005-1021.	0.9	82
15	Brief Preoperative Screening for Frailty and Cognitive Impairment Predicts Delirium after Spine Surgery. <i>Anesthesiology</i> , 2020, 133, 1184-1191.	1.3	78
16	Dual <i>ALK</i> and <i>CDK4/6</i> Inhibition Demonstrates Synergy against Neuroblastoma. <i>Clinical Cancer Research</i> , 2017, 23, 2856-2868.	3.2	76
17	Development of machine learning algorithms for prediction of prolonged opioid prescription after surgery for lumbar disc herniation. <i>Spine Journal</i> , 2019, 19, 1764-1771.	0.6	75
18	An Online Calculator for the Prediction of Survival in Glioblastoma Patients Using Classical Statistics and Machine Learning. <i>Neurosurgery</i> , 2020, 86, E184-E192.	0.6	75

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19	National Databases for Neurosurgical Outcomes Research: Options, Strengths, and Limitations. <i>Neurosurgery</i> , 2018, 83, 333-344.	0.6	71
20	Development of venous thromboembolism (VTE) in patients undergoing surgery for brain tumors: Results from a single center over a 10-year period. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 519-525.	0.8	68
21	Predictors and Rates of Delayed Symptomatic Hyponatremia after Transsphenoidal Surgery: A Systematic Review. <i>World Neurosurgery</i> , 2016, 88, 1-6.	0.7	68
22	Glioma incidence and survival variations by county-level socioeconomic measures. <i>Cancer</i> , 2019, 125, 3390-3400.	2.0	68
23	Subtype switching in breast cancer brain metastases: a multicenter analysis. <i>Neuro-Oncology</i> , 2020, 22, 1173-1181.	0.6	65
24	Comparison of Symptomatic Cerebral Spinal Fluid Leak Between Patients Undergoing Minimally Invasive versus Open Lumbar Foraminotomy, Discectomy, or Laminectomy. <i>World Neurosurgery</i> , 2014, 81, 634-640.	0.7	64
25	Improved Risk-Adjusted Survival for Melanoma Brain Metastases in the Era of Checkpoint Blockade Immunotherapies: Results from a National Cohort. <i>Cancer Immunology Research</i> , 2018, 6, 1039-1045.	1.6	60
26	Can mHealth interventions improve quality of life of cancer patients? A systematic review and meta-analysis. <i>Critical Reviews in Oncology/Hematology</i> , 2021, 157, 103123.	2.0	59
27	Passive data collection and use in healthcare: A systematic review of ethical issues. <i>International Journal of Medical Informatics</i> , 2019, 129, 242-247.	1.6	57
28	Hospital-Acquired Infections after Aneurysmal Subarachnoid Hemorrhage: A Nationwide Analysis. <i>World Neurosurgery</i> , 2016, 88, 459-474.	0.7	55
29	Stereotactic radiosurgery versus whole-brain radiotherapy after intracranial metastasis resection: a systematic review and meta-analysis. <i>Radiation Oncology</i> , 2017, 12, 106.	1.2	54
30	Venous thromboembolism in high grade glioma among surgical patients: results from a single center over a 10-year period. <i>Journal of Neuro-Oncology</i> , 2014, 120, 347-352.	1.4	53
31	Management of metastatic melanoma: improved survival in a national cohort following the approvals of checkpoint blockade immunotherapies and targeted therapies. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 1833-1844.	2.0	52
32	Defensive Medicine in Neurosurgery. <i>Neurosurgery</i> , 2015, 76, 105-114.	0.6	51
33	Readmission and Other Adverse Events after Transsphenoidal Surgery: Prevalence, Timing, and Predictive Factors. <i>Journal of the American College of Surgeons</i> , 2017, 224, 971-979.	0.2	51
34	Venous thromboembolism and intracranial hemorrhage after craniotomy for primary malignant brain tumors: a National Surgical Quality Improvement Program analysis. <i>Journal of Neuro-Oncology</i> , 2018, 136, 135-145.	1.4	50
35	Readmission After Craniotomy for Tumor: A National Surgical Quality Improvement Program Analysis. <i>Neurosurgery</i> , 2017, 80, 551-562.	0.6	49
36	Efficacy of transsphenoidal surgery in achieving biochemical cure of growth hormone-secreting pituitary adenomas among patients with cavernous sinus invasion: a systematic review and meta-analysis. <i>Neurological Research</i> , 2017, 39, 387-398.	0.6	48

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37	Efficacy of Three-Dimensional Endoscopy for Ventral Skull Base Pathology: A Systematic Review of the Literature. <i>World Neurosurgery</i> , 2016, 86, 419-431.	0.7	47
38	Complications after transsphenoidal surgery for patients with Cushing's disease and silent corticotroph adenomas. <i>Neurosurgical Focus</i> , 2015, 38, E12.	1.0	46
39	Current indications for the surgical treatment of prolactinomas. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 1785-1791.	0.8	45
40	Depression and survival of glioma patients: A systematic review and meta-analysis. <i>Clinical Neurology and Neurosurgery</i> , 2018, 172, 8-19.	0.6	45
41	Venous thromboembolism prophylaxis in brain tumor patients undergoing craniotomy: a meta-analysis. <i>Journal of Neuro-Oncology</i> , 2016, 130, 561-570.	1.4	44
42	Thirty-Day Outcomes After Craniotomy for Primary Malignant Brain Tumors. <i>Neurosurgery</i> , 2018, 83, 1249-1259.	0.6	44
43	Coiling Versus Microsurgical Clipping in the Treatment of Unruptured Middle Cerebral Artery Aneurysms: A Meta-Analysis. <i>Neurosurgery</i> , 2018, 83, 879-889.	0.6	44
44	Venous thromboembolism in brain tumor patients. <i>Journal of Clinical Neuroscience</i> , 2016, 25, 13-18.	0.8	43
45	Complications of open compared to minimally invasive lumbar spine decompression. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 1360-1364.	0.8	42
46	The Impact of Body Mass Index on Hospital Stay and Complications After Spinal Fusion. <i>Neurosurgery</i> , 2014, 74, 42-50.	0.6	42
47	The Effectiveness of Antiepileptic Medications as Prophylaxis of Early Seizure in Patients with Traumatic Brain Injury Compared with Placebo or No Treatment: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2019, 122, 433-440.	0.7	42
48	The Misclassification of Diffuse Gliomas: Rates and Outcomes. <i>Clinical Cancer Research</i> , 2019, 25, 2656-2663.	3.2	42
49	Predicting nonroutine discharge after elective spine surgery: external validation of machine learning algorithms. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 742-747.	0.9	41
50	Comprehensive Assessment of Prophylactic Preoperative Inferior Vena Cava Filters for Major Spinal Reconstruction in Adults. <i>Spine</i> , 2012, 37, 1122-1129.	1.0	40
51	Timing of surgery in traumatic brachial plexus injury: a systematic review. <i>Journal of Neurosurgery</i> , 2019, 130, 1333-1345.	0.9	40
52	Digital Phenotyping in Patients with Spine Disease: A Novel Approach to Quantifying Mobility and Quality of Life. <i>World Neurosurgery</i> , 2019, 126, e241-e249.	0.7	39
53	Neurosurgical Infection Rates and Risk Factors: A National Surgical Quality Improvement Program Analysis of 132,000 Patients, 2006-2014. <i>World Neurosurgery</i> , 2017, 97, 205-212.	0.7	38
54	Unplanned Reoperation After Craniotomy for Tumor: A National Surgical Quality Improvement Program Analysis. <i>Neurosurgery</i> , 2017, 81, 761-771.	0.6	36

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55	Impact of operative length on post-operative complications in meningioma surgery: a NSQIP analysis. <i>Journal of Neuro-Oncology</i> , 2017, 131, 59-67.	1.4	36
56	The safety and efficacy of steroid treatment for acute spinal cord injury: A Systematic Review and meta-analysis. <i>Heliyon</i> , 2020, 6, e03414.	1.4	36
57	Survival and prognostic factors in surgically treated brain metastases. <i>Journal of Neuro-Oncology</i> , 2019, 143, 359-367.	1.4	35
58	Contemporary assessment of extent of resection in molecularly defined categories of diffuse low-grade glioma: a volumetric analysis. <i>Journal of Neurosurgery</i> , 2020, 133, 1291-1301.	0.9	35
59	Physiologic Growth Hormone Replacement Therapy and Craniopharyngioma Recurrence in Pediatric Patients: A Meta-Analysis. <i>World Neurosurgery</i> , 2018, 109, 487-496.e1.	0.7	34
60	Retrospective Analysis of Perioperative Variables Associated With Postoperative Delirium and Other Adverse Outcomes in Older Patients After Spine Surgery. <i>Journal of Neurosurgical Anesthesiology</i> , 2019, 31, 385-391.	0.6	33
61	Redefining Global Spinal Balance. <i>Spine</i> , 2013, 38, 484-489.	1.0	32
62	A checklist for endonasal transsphenoidal anterior skull base surgery. <i>Journal of Neurosurgery</i> , 2016, 124, 1634-1639.	0.9	32
63	Reasons for Readmission After Carotid Endarterectomy. <i>World Neurosurgery</i> , 2014, 82, e771-e776.	0.7	31
64	United States neurosurgery annual case type and complication trends between 2006 and 2013: An American College of Surgeons National Surgical Quality Improvement Program analysis. <i>Journal of Clinical Neuroscience</i> , 2016, 31, 106-111.	0.8	31
65	International Defensive Medicine in Neurosurgery: Comparison of Canada, South Africa, and the United States. <i>World Neurosurgery</i> , 2016, 95, 53-61.	0.7	31
66	Effect of awake craniotomy in glioblastoma in eloquent areas (GLIOMAP): a propensity score-matched analysis of an international, multicentre, cohort study. <i>Lancet Oncology</i> , The, 2022, 23, 802-817.	5.1	31
67	Cigarette smoking and outcomes after aneurysmal subarachnoid hemorrhage: a nationwide analysis. <i>Journal of Neurosurgery</i> , 2018, 129, 446-457.	0.9	30
68	Functional Gonadotroph Adenomas. <i>Neurosurgery</i> , 2016, 79, 823-831.	0.6	29
69	Pituitary Dysfunction After Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2016, 79, 253-264.	0.6	28
70	Thrombocytopenia and craniotomy for tumor: A National Surgical Quality Improvement Program analysis. <i>Cancer</i> , 2016, 122, 1708-1717.	2.0	28
71	Ethical clinical translation of stem cell interventions for neurologic disease. <i>Neurology</i> , 2017, 88, 322-328.	1.5	28
72	Natural Language Processing for Automated Quantification of Brain Metastases Reported in Free-Text Radiology Reports. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-9.	1.0	28

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73	Computed Tomography Angiography Versus Digital Subtraction Angiography for Postclipping Aneurysm Obliteration Detection. <i>Stroke</i> , 2019, 50, 381-388.	1.0	28
74	Proposal and Validation of a Simple Grading Scale (TRANSSPHER Grade) for Predicting Gross Total Resection of Nonfunctioning Pituitary Macroadenomas After Transsphenoidal Surgery. <i>Operative Neurosurgery</i> , 2019, 17, 460-469.	0.4	28
75	Physiological growth hormone replacement and rate of recurrence of craniopharyngioma: the Genentech National Cooperative Growth Study. <i>Journal of Neurosurgery: Pediatrics</i> , 2016, 18, 408-412.	0.8	27
76	Health-related quality of life of cranial WHO grade I meningioma patients: are current questionnaires relevant?. <i>Acta Neurochirurgica</i> , 2017, 159, 2149-2159.	0.9	27
77	Treatment and survival of osteosarcoma and Ewing sarcoma of the skull: a SEER database analysis. <i>Acta Neurochirurgica</i> , 2019, 161, 317-325.	0.9	27
78	Survival after surgery and stereotactic radiosurgery for patients with multiple intracranial metastases: results of a single-center retrospective study. <i>Journal of Neurosurgery</i> , 2014, 121, 839-845.	0.9	26
79	A prognostic role for Low tri-iodothyronine syndrome in acute stroke patients: A systematic review and meta-analysis. <i>Clinical Neurology and Neurosurgery</i> , 2018, 169, 55-63.	0.6	26
80	Defensive Medicine in U.S. Spine Neurosurgery. <i>Spine</i> , 2017, 42, 177-185.	1.0	25
81	Survival prediction of glioblastoma patients—“are we there yet? A systematic review of prognostic modeling for glioblastoma and its clinical potential. <i>Neurosurgical Review</i> , 2021, 44, 2047-2057.	1.2	25
82	The Expanding Spectrum of Disease Treated by the Transnasal, Transsphenoidal Microscopic and Endoscopic Anterior Skull Base Approach: A Single-Center Experience 2008–2015. <i>World Neurosurgery</i> , 2015, 84, 899-905.	0.7	24
83	Venous Thromboembolism in Patients Undergoing Craniotomy for Brain Tumors: A U.S. Nationwide Analysis. <i>Seminars in Thrombosis and Hemostasis</i> , 2016, 42, 870-876.	1.5	24
84	The Efficacy of Antibacterial Prophylaxis Against the Development of Meningitis After Craniotomy: A Meta-Analysis. <i>World Neurosurgery</i> , 2016, 90, 597-603.e1.	0.7	24
85	Defensive medicine among neurosurgeons in the Netherlands: a national survey. <i>Acta Neurochirurgica</i> , 2017, 159, 2341-2350.	0.9	24
86	Body habitus, serum albumin, and the outcomes after craniotomy for tumor: a National Surgical Quality Improvement Program analysis. <i>Journal of Neurosurgery</i> , 2017, 126, 677-689.	0.9	23
87	Risk of aspirin continuation in spinal surgery: a systematic review and meta-analysis. <i>Spine Journal</i> , 2017, 17, 1939-1946.	0.6	23
88	Readmission After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2017, 48, 2383-2390.	1.0	22
89	Geographic proximity to specialized pediatric neurosurgical care in the contiguous United States. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 21, 434-438.	0.8	22
90	Recurrence of Rathke’s cleft cysts based on gross total resection of cyst wall: a meta-analysis. <i>Neurosurgical Review</i> , 2020, 43, 957-966.	1.2	22

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91	Long-Term Opioid Prescriptions After Spine Surgery: A Meta-Analysis of Prevalence and Risk Factors. <i>World Neurosurgery</i> , 2020, 141, e894-e920.	0.7	22
92	Socioeconomic Disparities Associated With <i>MGMT</i> Promoter Methylation Testing for Patients With Glioblastoma. <i>JAMA Oncology</i> , 2020, 6, 1972.	3.4	22
93	Innovation in neurosurgery: less than IDEAL? A systematic review. <i>Acta Neurochirurgica</i> , 2017, 159, 1957-1966.	0.9	21
94	Reoperation and readmission after clipping of an unruptured intracranial aneurysm: a National Surgical Quality Improvement Program analysis. <i>Journal of Neurosurgery</i> , 2018, 128, 756-767.	0.9	21
95	Height, waist circumference, body mass index, and body somatotype across the life course and risk of glioma. <i>Cancer Causes and Control</i> , 2018, 29, 707-719.	0.8	21
96	Time to Event Analysis for the Development of Venous Thromboembolism After Spinal Fusion ≥ 5 Levels. <i>World Neurosurgery</i> , 2015, 84, 826-833.	0.7	20
97	Time Course of Resolution of Hyperprolactinemia After Transsphenoidal Surgery Among Patients Presenting with Pituitary Stalk Compression. <i>World Neurosurgery</i> , 2017, 97, 2-7.	0.7	20
98	Spindle cell oncocytoma of the pituitary gland. <i>Journal of Neurosurgery</i> , 2019, 131, 517-525.	0.9	20
99	The survival effect of valproic acid in glioblastoma and its current trend: a systematic review and meta-analysis. <i>Clinical Neurology and Neurosurgery</i> , 2018, 174, 149-155.	0.6	19
100	Defensive medicine in neurosurgery: the Canadian experience. <i>Journal of Neurosurgery</i> , 2016, 124, 1524-1530.	0.9	18
101	Pediatric Clival Chordoma: A Curable Disease that Conforms to Collins' Law. <i>Neurosurgery</i> , 2018, 82, 652-660.	0.6	18
102	Randomized controlled trials comparing surgery to non-operative management in neurosurgery: a systematic review. <i>Acta Neurochirurgica</i> , 2019, 161, 627-634.	0.9	18
103	Endocrine function and gland volume after endoscopic transsphenoidal surgery for nonfunctional pituitary macroadenomas. <i>Journal of Neurosurgery</i> , 2019, 131, 1142-1151.	0.9	18
104	Preoperative low tri-iodothyronine concentration is associated with worse health status and shorter five year survival of primary brain tumor patients. <i>Oncotarget</i> , 2017, 8, 8648-8656.	0.8	18
105	Neurosurgical Resection and Stereotactic Radiation Versus Stereotactic Radiation Alone in Patients with a Single or Solitary Brain Metastasis. <i>World Neurosurgery</i> , 2019, 122, e1557-e1561.	0.7	17
106	Predictors of Stroke and Coma After Neurosurgery: An ACS-NSQIP Analysis. <i>World Neurosurgery</i> , 2016, 93, 299-305.	0.7	16
107	Spinal Implant Density and Postoperative Lumbar Lordosis as Predictors for the Development of Proximal Junctional Kyphosis in Adult Spinal Deformity. <i>World Neurosurgery</i> , 2016, 95, 419-424.	0.7	16
108	Dexamethasone Administration and Mortality in Patients with Brain Abscess: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2018, 115, 257-263.	0.7	16

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109	The prevalence of complications associated with lumbar and thoracic spinal deformity surgery in the elderly population: a meta-analysis. <i>Journal of Spine Surgery</i> , 2019, 5, 223-235.	0.6	16
110	Adverse Events After Microvascular Decompression: A National Surgical Quality Improvement Program Analysis. <i>World Neurosurgery</i> , 2019, 128, e884-e894.	0.7	16
111	Endoscopic third ventriculostomy versus ventriculoperitoneal shunt in pediatric and adult population: a systematic review and meta-analysis. <i>Neurosurgical Review</i> , 2021, 44, 1227-1241.	1.2	16
112	The Current Landscape of Oncolytic Herpes Simplex Viruses as Novel Therapies for Brain Malignancies. <i>Viruses</i> , 2021, 13, 1158.	1.5	16
113	Intrasellar abscess following pituitary surgery. <i>Pituitary</i> , 2015, 18, 731-737.	1.6	15
114	Transitional care services: a quality and safety process improvement program in neurosurgery. <i>Journal of Neurosurgery</i> , 2018, 128, 1570-1577.	0.9	15
115	Predictive Score of Adverse Events After Carotid Endarterectomy: The NSQIP Registry Carotid Endarterectomy Scale. <i>Journal of the American Heart Association</i> , 2019, 8, e013412.	1.6	15
116	Treatment and survival differences across tumor sites in malignant peripheral nerve sheath tumors: a SEER database analysis and review of the literature. <i>Neuro-Oncology Practice</i> , 2019, 6, 134-143.	1.0	15
117	Cost-Benefit Analysis of Transitional Care in Neurosurgery. <i>Neurosurgery</i> , 2019, 85, 672-679.	0.6	15
118	A prospective study of tea and coffee intake and risk of glioma. <i>International Journal of Cancer</i> , 2020, 146, 2442-2449.	2.3	15
119	Automating Clinical Chart Review: An Open-Source Natural Language Processing Pipeline Developed on Free-Text Radiology Reports From Patients With Glioblastoma. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 25-34.	1.0	15
120	Reduction versus In Situ Fusion for Adult High-Grade Spondylolisthesis: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2020, 138, 512-520.e2.	0.7	15
121	Surgical and Peri-Operative Considerations for Brain Metastases. <i>Frontiers in Oncology</i> , 2021, 11, 662943.	1.3	15
122	The Epidemiology of Central Nervous System Tumors. <i>Hematology/Oncology Clinics of North America</i> , 2022, 36, 23-42.	0.9	15
123	Tumor-Associated Macrophages/Microglia in Glioblastoma Oncolytic Virotherapy: A Double-Edged Sword. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1808.	1.8	15
124	Neurosurgical Defensive Medicine in Texas and Illinois: A Tale of 2 States. <i>World Neurosurgery</i> , 2016, 89, 112-120.	0.7	14
125	The Safety and Efficacy of Tranexamic Acid in Adult Spinal Deformity Surgery: A Systematic Review and Meta-Analysis. <i>Drugs</i> , 2019, 79, 1679-1688.	4.9	14
126	Venous Thromboembolism in Brain Tumor Patients. <i>Advances in Experimental Medicine and Biology</i> , 2016, 906, 215-228.	0.8	13

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127	Surgical Resection and Cellular Proliferation Index Predict Prognosis for Patients with Papillary Glioneuronal Tumor: Systematic Review and Pooled Analysis. <i>World Neurosurgery</i> , 2017, 107, 534-541.	0.7	13
128	Predictors and early survival outcomes of maximal resection in WHO grade II 1p/19q-codeleted oligodendrogliomas. <i>Neuro-Oncology</i> , 2020, 22, 369-380.	0.6	13
129	Smartphone GPS signatures of patients undergoing spine surgery correlate with mobility and current gold standard outcome measures. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 796-806.	0.9	13
130	Risk factors for post-operative respiratory failure among 94,621 neurosurgical patients from 2006 to 2013: a NSQIP analysis. <i>Acta Neurochirurgica</i> , 2016, 158, 1639-1645.	0.9	12
131	Long-Term Durability of Open Surgical versus Endovascular Repair of Intracranial Aneurysms: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2019, 132, e820-e833.	0.7	12
132	Surgical Outcomes of Endoscopic Versus Open Resection for Primary Sinonasal Malignancy: A Meta-analysis. <i>American Journal of Rhinology and Allergy</i> , 2019, 33, 608-616.	1.0	12
133	Fertility after transsphenoidal surgery in patients with prolactinomas: A meta-analysis. <i>Clinical Neurology and Neurosurgery</i> , 2019, 176, 53-60.	0.6	12
134	Pearls for Interpreting Neurosurgical Systematic Reviews and Meta-Analyses: Lessons From a Collaborative Effort. <i>Neurosurgery</i> , 2020, 87, 435-441.	0.6	12
135	Market-Based Health Care in Specialty Surgery. <i>Neurosurgery</i> , 2015, 77, 509-516.	0.6	11
136	Venous Thromboembolism in Patients with High-Grade Glioma. <i>Seminars in Thrombosis and Hemostasis</i> , 2016, 42, 877-883.	1.5	11
137	Programmed Death Receptor Ligand One Expression May Independently Predict Survival in Patients With Non-Small Cell Lung Carcinoma Brain Metastases Receiving Immunotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 258-267.	0.4	11
138	Improved outcomes associated with maximal extent of resection for butterfly glioblastoma: insights from institutional and national data. <i>Acta Neurochirurgica</i> , 2021, 163, 1883-1894.	0.9	11
139	Safety and Efficacy of Antibacterial Prophylaxis After Craniotomy: A Decision Model Analysis. <i>World Neurosurgery</i> , 2017, 105, 906-912.e5.	0.7	11
140	Delayed malignant transformation of petroclival meningioma to chondrosarcoma after stereotactic radiosurgery. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1225-1228.	0.8	10
141	Transsphenoidal surgery for Rathke's cleft cyst can reduce headache severity and frequency. <i>Pituitary</i> , 2016, 19, 57-64.	1.6	10
142	The impact of transsphenoidal surgery on neurocognitive function: A systematic review. <i>Journal of Clinical Neuroscience</i> , 2017, 42, 1-6.	0.8	10
143	Length of Thromboprophylaxis in Patients Operated on for a High-Grade Glioma: A Retrospective Study. <i>World Neurosurgery</i> , 2018, 115, e723-e730.	0.7	10
144	Predictors of survival in neurometastatic Merkel cell carcinoma. <i>European Journal of Cancer</i> , 2018, 101, 152-159.	1.3	10

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145	Common genetic variations of deiodinase genes and prognosis of brain tumor patients. <i>Endocrine</i> , 2019, 66, 563-572.	1.1	10
146	International practice variation in postoperative imaging of chronic subdural hematoma patients. <i>Journal of Neurosurgery</i> , 2019, 131, 1912-1919.	0.9	10
147	A nationwide analysis of 30-day adverse events, unplanned readmission, and length of hospital stay after peripheral nerve surgery in extremities and the brachial plexus. <i>Microsurgery</i> , 2019, 39, 115-123.	0.6	10
148	Criteria for success after surgery for cervical radiculopathy—estimates for a substantial amount of improvement in core outcome measures. <i>Spine Journal</i> , 2020, 20, 1413-1421.	0.6	10
149	Expandable Versus Static Cages in Minimally Invasive Lumbar Interbody Fusion: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2021, 151, e607-e614.	0.7	10
150	The Impact of Age and Severity on Dementia After Traumatic Brain Injury: A Comparison Study. <i>Neurosurgery</i> , 2021, 89, 810-818.	0.6	10
151	Deep Learning for Adjacent Segment Disease at Preoperative MRI for Cervical Radiculopathy. <i>Radiology</i> , 2021, 301, 664-671.	3.6	10
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