

Timothy Witham

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

260
papers

6,757
citations

47
h-index

69
g-index

283
ext. papers

7,859
ext. citations

2.7
avg, IF

5.63
L-index

#	Paper	IF	Citations
260	Accuracy of free-hand pedicle screws in the thoracic and lumbar spine: analysis of 6816 consecutive screws. <i>Neurosurgery</i> , 2011 , 68, 170-8; discussion 178	3.2	195
259	Vertebroplasty and kyphoplasty for the treatment of vertebral compression fractures: an evidenced-based review of the literature. <i>Spine Journal</i> , 2009 , 9, 501-8	4	179
258	Surgery insight: current management of epidural spinal cord compression from metastatic spine disease. <i>Nature Clinical Practice Neurology</i> , 2006 , 2, 87-94; quiz 116		178
257	Recurrent disc herniation and long-term back pain after primary lumbar discectomy: review of outcomes reported for limited versus aggressive disc removal. <i>Neurosurgery</i> , 2009 , 64, 338-44; discussion 344-5	3.2	177
256	Comprehensive assessment of hemorrhage risks and outcomes after stereotactic brain biopsy. <i>Journal of Neurosurgery</i> , 2001 , 94, 545-51	3.2	166
255	Recurrent lumbar disc herniation after single-level lumbar discectomy: incidence and health care cost analysis. <i>Neurosurgery</i> , 2009 , 65, 574-8; discussion 578	3.2	144
254	A new subarachnoid hemorrhage grading system based on the Glasgow Coma Scale: a comparison with the Hunt and Hess and World Federation of Neurological Surgeons Scales in a clinical series. <i>Neurosurgery</i> , 1997 , 41, 140-7; discussion 147-8	3.2	133
253	Factors associated with progression-free survival and long-term neurological outcome after resection of intramedullary spinal cord tumors: analysis of 101 consecutive cases. <i>Journal of Neurosurgery: Spine</i> , 2009 , 11, 591-9	2.8	132
252	Long-term clinical outcomes following en bloc resections for sacral chordomas and chondrosarcomas: a series of twenty consecutive patients. <i>Spine</i> , 2009 , 34, 2233-9	3.3	128
251	Predictors of ambulatory function after decompressive surgery for metastatic epidural spinal cord compression. <i>Neurosurgery</i> , 2008 , 62, 683-92; discussion 683-92	3.2	101
250	Short-term progressive spinal deformity following laminoplasty versus laminectomy for resection of intradural spinal tumors: analysis of 238 patients. <i>Neurosurgery</i> , 2010 , 66, 1005-12	3.2	97
249	The biomechanics of pedicle screw augmentation with cement. <i>Spine Journal</i> , 2015 , 15, 1432-45	4	91
248	Incidence of spinal deformity after resection of intramedullary spinal cord tumors in children who underwent laminectomy compared with laminoplasty. <i>Journal of Neurosurgery: Pediatrics</i> , 2008 , 1, 57-62 ^{2.1}		91
247	Risk of infection following posterior instrumented lumbar fusion for degenerative spine disease in 817 consecutive cases. <i>Journal of Neurosurgery: Spine</i> , 2014 , 20, 45-52	2.8	90
246	The impact of obesity on short- and long-term outcomes after lumbar fusion. <i>Spine</i> , 2015 , 40, 56-61	3.3	89
245	Recurrent back and leg pain and cyst reformation after surgical resection of spinal synovial cysts: systematic review of reported postoperative outcomes. <i>Spine Journal</i> , 2010 , 10, 820-6	4	85
244	Techniques and accuracy of thoracolumbar pedicle screw placement. <i>World Journal of Orthopedics</i> , 2014 , 5, 112-23	2.2	78

243	Incidence and prognostic factors of c5 palsy: a clinical study of 1001 cases and review of the literature. <i>Neurosurgery</i> , 2014 , 74, 595-604; discussion 604-5	3.2	78
242	The efficacy of minimally invasive discectomy compared with open discectomy: a meta-analysis of prospective randomized controlled trials. <i>Journal of Neurosurgery: Spine</i> , 2012 , 16, 452-62	2.8	78
241	Surgical management of metastatic spinal tumors. <i>Cancer Control</i> , 2012 , 19, 122-8	2.2	76
240	Morbidity and survival after 1,3-bis(2-chloroethyl)-1-nitrosourea wafer implantation for recurrent glioblastoma: a retrospective case-matched cohort series. <i>Neurosurgery</i> , 1999 , 45, 17-22; discussion 22-3	3.2	76
239	Use of S2-Alar-iliac Screws Associated With Less Complications Than Iliac Screws in Adult Lumbosacropelvic Fixation. <i>Spine</i> , 2017 , 42, E142-E149	3.3	72
238	A Proposed Grading System for Intramedullary Spinal Cord Tumors in Children. <i>Neurosurgery</i> , 2007 , 61, 202-203	3.2	70
237	Ability of electromyographic monitoring to determine the presence of malpositioned pedicle screws in the lumbosacral spine: analysis of 2450 consecutively placed screws. <i>Journal of Neurosurgery: Spine</i> , 2011 , 15, 130-5	2.8	68
236	Autologous glioma cell vaccine admixed with interleukin-4 gene transfected fibroblasts in the treatment of recurrent glioblastoma: preliminary observations in a patient with a favorable response to therapy. <i>Journal of Neuro-Oncology</i> , 2003 , 64, 13-20	4.8	67
235	Long-term back pain after a single-level discectomy for radiculopathy: incidence and health care cost analysis. <i>Journal of Neurosurgery: Spine</i> , 2010 , 12, 178-82	2.8	64
234	The impact of provider volume on the outcomes after surgery for lumbar spinal stenosis. <i>Neurosurgery</i> , 2012 , 70, 1346-53; discussion 1353-4	3.2	62
233	Factors associated with recurrent back pain and cyst recurrence after surgical resection of one hundred ninety-five spinal synovial cysts: analysis of one hundred sixty-seven consecutive cases. <i>Spine</i> , 2010 , 35, 1044-53	3.3	62
232	Growth factor-eluting technologies for bone tissue engineering. <i>Drug Delivery and Translational Research</i> , 2016 , 6, 184-94	6.2	60
231	Trans-foraminal versus posterior lumbar interbody fusion: comparison of surgical morbidity. <i>Neurological Research</i> , 2011 , 33, 38-42	2.7	60
230	Accuracy of Current Techniques for Placement of Pedicle Screws in the Spine: A Comprehensive Systematic Review and Meta-Analysis of 51,161 Screws. <i>World Neurosurgery</i> , 2019 , 126, 664-678.e3	2.1	59
229	Impact of smoking on complication and pseudarthrosis rates after single- and 2-level posterolateral fusion of the lumbar spine. <i>Spine</i> , 2014 , 39, 1765-70	3.3	56
228	Endoscopic image-guided transcervical odontoidectomy: outcomes of 15 patients with basilar invagination. <i>Neurosurgery</i> , 2012 , 70, 351-9; discussion 359-60	3.2	55
227	Propionibacterium acnes biofilm is present in intervertebral discs of patients undergoing microdiscectomy. <i>PLoS ONE</i> , 2017 , 12, e0174518	3.7	55
226	Surgical treatment of cervical spondylotic myelopathy with anterior compression: a review of 67 cases. <i>Journal of Neurosurgery: Spine</i> , 2008 , 9, 152-7	2.8	53

225	Glioma-associated hyaluronan induces apoptosis in dendritic cells via inducible nitric oxide synthase: implications for the use of dendritic cells for therapy of gliomas. <i>Cancer Research</i> , 2002 , 62, 2583-91	10.1	53
224	Adjacent segment disease after anterior cervical discectomy and fusion in a large series. <i>Neurosurgery</i> , 2014 , 74, 139-46 discussion 146	3.2	52
223	Epidemiology and demographics for primary vertebral tumors. <i>Neurosurgery Clinics of North America</i> , 2008 , 19, 1-4	4	52
222	Impact of resident participation on morbidity and mortality in neurosurgical procedures: an analysis of 16,098 patients. <i>Journal of Neurosurgery</i> , 2015 , 122, 955-61	3.2	49
221	Long-term patient outcomes after posterior cervical foraminotomy: an analysis of 151 cases. <i>Journal of Neurosurgery: Spine</i> , 2014 , 21, 727-31	2.8	49
220	Preoperative radiographic factors and surgeon experience are associated with cortical breach of C2 pedicle screws. <i>Journal of Spinal Disorders and Techniques</i> , 2010 , 23, 9-14		49
219	Transthoracic surgical treatment for centrally located thoracic disc herniations presenting with myelopathy: a 5-year institutional experience. <i>Journal of Spinal Disorders and Techniques</i> , 2010 , 23, 79-88		49
218	Adjacent segment disease after anterior cervical discectomy and fusion: clinical outcomes after first repeat surgery versus second repeat surgery. <i>Spine</i> , 2014 , 39, 120-6	3.3	48
217	Intracranial hemorrhage after spine surgery. <i>Journal of Neurosurgery: Spine</i> , 2013 , 19, 370-80	2.8	48
216	Evaluation of factors associated with postoperative infection following sacral tumor resection. <i>Journal of Neurosurgery: Spine</i> , 2008 , 9, 593-9	2.8	48
215	Spinal pelvic reconstruction after total sacrectomy for en bloc resection of a giant sacral chordoma. Technical note. <i>Journal of Neurosurgery: Spine</i> , 2005 , 3, 501-6	2.8	47
214	Augmented reality-assisted pedicle screw insertion: a cadaveric proof-of-concept study. <i>Journal of Neurosurgery: Spine</i> , 2019 , 1-8	2.8	47
213	Incidence and clinical significance of vascular encroachment resulting from freehand placement of pedicle screws in the thoracic and lumbar spine: analysis of 6816 consecutive screws. <i>Spine</i> , 2014 , 39, 683-7	3.3	46
212	Thoracic vertebrectomy and spinal reconstruction via anterior, posterior, or combined approaches: clinical outcomes in 91 consecutive patients with metastatic spinal tumors. <i>Journal of Neurosurgery: Spine</i> , 2009 , 11, 272-84	2.8	46
211	Prevalence of <i>Propionibacterium acnes</i> in Intervertebral Discs of Patients Undergoing Lumbar Microdiscectomy: A Prospective Cross-Sectional Study. <i>PLoS ONE</i> , 2016 , 11, e0161676	3.7	46
210	Outcomes following surgical intervention for impending and gross instability caused by multiple myeloma in the spinal column. <i>Journal of Neurosurgery: Spine</i> , 2015 , 22, 301-9	2.8	44
209	Long-term clinical outcomes following 3- and 4-level anterior cervical discectomy and fusion. <i>Journal of Neurosurgery: Spine</i> , 2016 , 24, 885-91	2.8	44
208	Epidural steroid injection resulting in epidural hematoma in a patient despite strict adherence to anticoagulation guidelines. <i>Journal of Neurosurgery: Spine</i> , 2009 , 11, 358-64	2.8	44

207	Total en bloc spondylectomy for locally aggressive and primary malignant tumors of the lumbar spine. <i>European Spine Journal</i> , 2016 , 25, 4080-4087	2.7	43
206	Survival of patients with high grade glioma treated with intrathecal thiotriethylenephosphoramidate for ependymal or leptomeningeal gliomatosis. <i>Cancer</i> , 1999 , 86, 1347-53	6.4	43
205	The epidemiology of spinal tuberculosis in the United States: an analysis of 2002-2011 data. <i>Journal of Neurosurgery: Spine</i> , 2017 , 26, 507-512	2.8	42
204	Smoking as an independent predictor of reoperation after lumbar laminectomy: a study of 500 cases. <i>Journal of Neurosurgery: Spine</i> , 2015 , 22, 288-93	2.8	42
203	The cost-effectiveness of interbody fusions versus posterolateral fusions in 137 patients with lumbar spondylolisthesis. <i>Spine Journal</i> , 2015 , 15, 492-8	4	41
202	Predictors of ambulatory function after surgical resection of intramedullary spinal cord tumors. <i>Neurosurgery</i> , 2007 , 61, 99-105; discussion 105-6	3.2	40
201	Maintenance of bowel, bladder, and motor functions after sacrectomy. <i>Spine Journal</i> , 2015 , 15, 222-9	4	37
200	Spinal instrumentation in patients with primary spinal infections does not lead to greater recurrent infection rates: an analysis of 118 cases. <i>World Neurosurgery</i> , 2014 , 82, e807-14	2.1	36
199	Prolonged survival following aggressive treatment for metastatic breast cancer in the spine. <i>Clinical and Experimental Metastasis</i> , 2014 , 31, 47-55	4.7	36
198	Development of postoperative C5 palsy is associated with wider posterior decompressions: an analysis of 41 patients. <i>Spine Journal</i> , 2014 , 14, 2861-7	4	35
197	Sacropelvic fixation: two case reports of a new percutaneous technique. <i>Spine</i> , 2011 , 36, E618-21	3.3	35
196	Local delivery of oncolytic virus delays paresis in rat metastatic spinal tumor model. <i>Journal of Neurosurgery: Spine</i> , 2007 , 7, 194-8	2.8	35
195	The impact of insurance status on outcomes after surgery for spinal metastases. <i>Cancer</i> , 2012 , 118, 4833-41	3.4	34
194	Unruptured cerebral aneurysm producing a thunderclap headache. <i>American Journal of Emergency Medicine</i> , 2000 , 18, 88-90	2.9	34
193	Adjacent segment disease after anterior cervical discectomy and fusion: Incidence and clinical outcomes of patients requiring anterior versus posterior repeat cervical fusion. <i>Surgical Neurology International</i> , 2014 , 5, S74-8	1	33
192	Diagnosis and management of sacral tumors. <i>Journal of Neurosurgery: Spine</i> , 2009 , 10, 244-56	2.8	33
191	Safety and efficacy of pedicle screw placement using intraoperative computed tomography: consecutive series of 1148 pedicle screws. <i>Journal of Neurosurgery: Spine</i> , 2014 , 21, 320-8	2.8	32
190	S2-Alar-Iliac Screws are Associated with Lower Rate of Symptomatic Screw Prominence than Iliac Screws: Radiographic Analysis of Minimal Distance from Screw Head to Skin. <i>World Neurosurgery</i> , 2016 , 93, 253-60	2.1	32

189	Comparison Between S2-Alar-Iliac Screw Fixation and Iliac Screw Fixation in Adult Deformity Surgery: Reoperation Rates and Spinopelvic Parameters. <i>Global Spine Journal</i> , 2017 , 7, 672-680	2.7	31
188	Posterolateral fusion with interbody for lumbar spondylolisthesis is associated with less repeat surgery than posterolateral fusion alone. <i>Clinical Neurology and Neurosurgery</i> , 2015 , 138, 117-23	2	31
187	Safety of spinal decompression using an ultrasonic bone curette compared with a high-speed drill: outcomes in 337 patients. <i>Journal of Neurosurgery: Spine</i> , 2013 , 18, 627-33	2.8	31
186	Factors associated with improved outcomes following decompressive surgery for prostate cancer metastatic to the spine. <i>Neurosurgery</i> , 2013 , 73, 657-66; discussion 666	3.2	31
185	Translaminar versus pedicle screw fixation of C2: comparison of surgical morbidity and accuracy of 313 consecutive screws. <i>Operative Neurosurgery</i> , 2009 , 64, 343-8; discussion 348-9	1.6	31
184	The clinical significance of pneumorachis: a case report and review of the literature. <i>Journal of Trauma</i> , 2010 , 68, 736-44		30
183	Soft-tissue reconstruction after total en bloc sacrectomy. <i>Journal of Neurosurgery: Spine</i> , 2015 , 22, 571-81.8		29
182	Accuracy of C2 pedicle screw placement using the anatomic freehand technique. <i>Clinical Neurology and Neurosurgery</i> , 2014 , 125, 24-7	2	29
181	Reconstruction of extensive defects from posterior en bloc resection of sacral tumors with human acellular dermal matrix and gluteus maximus myocutaneous flaps. <i>Neurosurgery</i> , 2011 , 69, 1240-7	3.2	28
180	7-Hydroxystaurosporine-induced apoptosis in 9L glioma cells provides an effective antigen source for dendritic cells and yields a potent vaccine strategy in an intracranial glioma model. <i>Neurosurgery</i> , 2002 , 50, 1327-34; discussion 1334-5	3.2	28
179	Assuring optimal physiologic craniocervical alignment and avoidance of swallowing-related complications after occipitocervical fusion by preoperative halo vest placement. <i>Journal of Spinal Disorders and Techniques</i> , 2009 , 22, 170-6		27
178	The characterization of tumor apoptosis after experimental radiosurgery. <i>Stereotactic and Functional Neurosurgery</i> , 2005 , 83, 17-24	1.6	27
177	Lumbopelvic reconstruction after combined L5 spondylectomy and total sacrectomy for en bloc resection of a malignant fibrous histiocytoma. <i>Neurosurgery</i> , 2010 , 67, E498-502	3.2	25
176	CT fluoroscopically guided percutaneous placement of transiliosacral rod for sacral insufficiency fracture: case report and technique. <i>American Journal of Neuroradiology</i> , 2007 , 28, 1451-4	4.4	25
175	Total L-5 spondylectomy and reconstruction of the lumbosacral junction. Technical note. <i>Journal of Neurosurgery: Spine</i> , 2007 , 7, 103-11	2.8	25
174	7-Hydroxystaurosporine-induced Apoptosis in 9L Glioma Cells Provides an Effective Antigen Source for Dendritic Cells and Yields a Potent Vaccine Strategy in an Intracranial Glioma Model. <i>Neurosurgery</i> , 2002 , 50, 1327-1335	3.2	25
173	Automatic localization of target vertebrae in spine surgery: clinical evaluation of the LevelCheck registration algorithm. <i>Spine</i> , 2015 , 40, E476-83	3.3	23
172	Novel therapeutic targets in chordoma. <i>Expert Opinion on Therapeutic Targets</i> , 2012 , 16, 1139-43	6.4	23

171	Surgical management of cervical spondylotic myelopathy with laminectomy and instrumented fusion. <i>Neurological Research</i> , 2009 , 31, 1097-101	2.7	23
170	Clinical Accuracy, Technical Precision, and Workflow of the First in Human Use of an Augmented-Reality Head-Mounted Display Stereotactic Navigation System for Spine Surgery. <i>Operative Neurosurgery</i> , 2021 , 20, 300-309	1.6	23
169	Prognostic factors associated with pain palliation after spine stereotactic body radiation therapy. <i>Journal of Neurosurgery: Spine</i> , 2015 , 23, 620-629	2.8	22
168	Expression of a soluble transforming growth factor-beta (TGFbeta) receptor reduces tumorigenicity by regulating natural killer (NK) cell activity against 9L gliosarcoma in vivo. <i>Journal of Neuro-Oncology</i> , 2003 , 64, 63-9	4.8	22
167	Clinical and surgical outcomes after lumbar laminectomy: An analysis of 500 patients. <i>Surgical Neurology International</i> , 2015 , 6, S190-3	1	22
166	Adjacent-segment disease in 511 cases of posterolateral instrumented lumbar arthrodesis: floating fusion versus distal construct including the sacrum. <i>Journal of Neurosurgery: Spine</i> , 2014 , 20, 380-6	2.8	21
165	Quantitative study of parathyroid hormone (1-34) and bone morphogenetic protein-2 on spinal fusion outcomes in a rabbit model of lumbar dorsolateral intertransverse process arthrodesis. <i>Spine</i> , 2014 , 39, 347-55	3.3	21
164	Giant destructive myxopapillary ependymomas of the sacrum. <i>Journal of Neurosurgery: Spine</i> , 2010 , 12, 154-9	2.8	21
163	Morbidity and Survival after 1,3-bis(2-chloroethyl)-1-Nitrosourea Wafer Implantation for Recurrent Glioblastoma: A Retrospective Case-matched Cohort Series. <i>Neurosurgery</i> , 1999 , 45, 17	3.2	21
162	Bone graft options for spinal fusion following resection of spinal column tumors: systematic review and meta-analysis. <i>Neurosurgical Focus</i> , 2017 , 42, E16	4.2	20
161	Iatrogenic Spondylolisthesis Following Open Lumbar Laminectomy: Case Series and Review of the Literature. <i>World Neurosurgery</i> , 2018 , 113, e383-e390	2.1	20
160	The impact of weekend hospital admission on the timing of intervention and outcomes after surgery for spinal metastases. <i>Neurosurgery</i> , 2012 , 70, 586-93	3.2	20
159	Surgical Management of Cervical Spondylotic Myelopathy. <i>Neurosurgery Quarterly</i> , 2009 , 19, 302-307		20
158	Adjuvant treatment with locally delivered OncoGel delays the onset of paresis after surgical resection of experimental spinal column metastasis. <i>Neurosurgery</i> , 2009 , 65, 193-9; discussion 199-200	3.2	20
157	Analgesic therapy for major spine surgery. <i>Neurosurgical Review</i> , 2015 , 38, 407-18; discussion 419	3.9	19
156	Letter to the Editor "Changes to Neurosurgery Resident Education Since Onset of the COVID-19 Pandemic". <i>World Neurosurgery</i> , 2020 , 139, 734-740	2.1	19
155	Incidence of Adjacent Segment Disease Requiring Reoperation After Lumbar Laminectomy Without Fusion: A Study of 398 Patients. <i>Neurosurgery</i> , 2016 , 78, 192-9	3.2	19
154	Successful anterior fusion following posterior cervical fusion for revision of anterior cervical discectomy and fusion pseudarthrosis. <i>Journal of Clinical Neuroscience</i> , 2016 , 24, 57-62	2.2	19

153	Treatment of spinal synovial cysts. <i>World Neurosurgery</i> , 2013 , 79, 375-80	2.1	19
152	Factors Associated with Life Expectancy in Patients with Metastatic Spine Disease from Adenocarcinoma of the Lung. <i>Global Spine Journal</i> , 2015 , 5, 417-24	2.7	18
151	Risk factors for wound-related reoperations in patients with metastatic spine tumor. <i>Journal of Neurosurgery: Spine</i> , 2018 , 28, 663-668	2.8	18
150	Factors associated with improved survival following surgery for renal cell carcinoma spinal metastases. <i>Neurosurgical Focus</i> , 2016 , 41, E13	4.2	18
149	Revision surgery for cervical spondylotic myelopathy: surgical results and outcome. <i>Neurosurgery</i> , 2008 , 63, 292-8; discussion 298	3.2	18
148	Surgical resection plus adjuvant radiotherapy is superior to surgery or radiotherapy alone in the prevention of neurological decline in a rat metastatic spinal tumor model. <i>Neurosurgery</i> , 2008 , 63, 346-51; discussion 351	3.2	18
147	A systematic assessment of the use of platelet-rich plasma in spinal fusion. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 1057-70	4.7	17
146	Thoracic kyphotic deformity reduction with a distractible titanium cage via an entirely posterior approach. <i>Operative Neurosurgery</i> , 2007 , 60, 223-30; discussion 230-1	1.6	17
145	The use of expandable cages in patients undergoing multilevel corpectomies for metastatic tumors in the cervical spine. <i>Orthopedics</i> , 2010 , 33, 87-92	1.5	17
144	Delayed onset of paralysis and slowed tumor growth following in situ placement of recombinant human bone morphogenetic protein 2 within spine tumors in a rat model of metastatic breast cancer. <i>Journal of Neurosurgery: Spine</i> , 2012 , 16, 365-72	2.8	16
143	Improving medical student recruitment to neurosurgery. <i>Journal of Neurosurgery</i> , 2019 , 1-7	3.2	16
142	A role for motor and somatosensory evoked potentials during anterior cervical discectomy and fusion for patients without myelopathy: Analysis of 57 consecutive cases 2011 , 2, 133		16
141	Readmissions After Surgical Resection of Metastatic Tumors of the Spine at a Single Institution. <i>World Neurosurgery</i> , 2017 , 101, 695-701.e1	2.1	15
140	Epidemiologic, functional, and oncologic outcome analysis of spinal sarcomas treated surgically at a single institution over 10 years. <i>Spine Journal</i> , 2015 , 15, 110-4	4	15
139	The incidence of adjacent segment disease after lumbar discectomy: A study of 751 patients. <i>Journal of Clinical Neuroscience</i> , 2017 , 35, 42-46	2.2	15
138	Biomechanical comparison between C-7 lateral mass and pedicle screws in subaxial cervical constructs. Presented at the 2009 Joint Spine Meeting. Laboratory investigation. <i>Journal of Neurosurgery: Spine</i> , 2010 , 13, 688-94	2.8	15
137	The role of stereotactic cyst aspiration for glial and metastatic brain tumors. <i>Canadian Journal of Neurological Sciences</i> , 2000 , 27, 229-35	1	15
136	Synovial Cyst as a Marker for Lumbar Instability: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2019 , 122, e1059-e1068	2.1	14

135	Clinical, surgical, and molecular prognostic factors for survival after spinal sarcoma resection. <i>Neurosurgical Focus</i> , 2016 , 41, E9	4.2	14
134	Prevention of facial pressure ulcers using the Mayfield clamp for sacral tumor resection. <i>Journal of Neurosurgery: Spine</i> , 2011 , 14, 85-7	2.8	14
133	Fractionated, single-port radiotherapy delays paresis in a metastatic spinal tumor model in rats. <i>Journal of Neurosurgery: Spine</i> , 2007 , 7, 323-7	2.8	14
132	Utility of the LevelCheck Algorithm for Decision Support in Vertebral Localization. <i>Spine</i> , 2016 , 41, E1249-E1256	3.5	14
131	Surgical Outcomes in Patients with High Spinal Instability Neoplasm Score Secondary to Spinal Giant Cell Tumors. <i>Global Spine Journal</i> , 2016 , 6, 21-8	2.7	14
130	A systematic review of the use of expandable cages in the cervical spine. <i>Neurosurgical Review</i> , 2016 , 39, 1-11; discussion 11	3.9	13
129	Management of Cerebrospinal Fluid Leakage During Anterior Cervical Discectomy and Fusion and Its Effect on Spinal Fusion. <i>World Neurosurgery</i> , 2016 , 89, 636-40	2.1	13
128	Clay-shoveler fracture during indoor rock climbing. <i>Orthopedics</i> , 2013 , 36, e381-3	1.5	13
127	Spinal deformity after resection of cervical intramedullary spinal cord tumors in children. <i>Childs Nervous System</i> , 2008 , 24, 735-9	1.7	13
126	Relationship between type of health insurance and time to inpatient rehabilitation placement for surgical subspecialty patients. <i>American Journal of Medical Quality</i> , 2001 , 16, 212-5	1.1	13
125	L-buthionine sulfoximine potentiates the antitumor effect of 4-hydroperoxycyclophosphamide when administered locally in a rat glioma model. <i>Neurosurgery</i> , 2001 , 48, 392-400	3.2	13
124	The Effect of Smoking Status on Successful Arthrodesis After Lumbar Instrumentation Supplemented with rhBMP-2. <i>World Neurosurgery</i> , 2017 , 97, 459-464	2.1	12
123	The role of spinal fusion in the treatment of cervical synovial cysts: a series of 17 cases and meta-analysis. <i>Journal of Neurosurgery: Spine</i> , 2014 , 21, 919-28	2.8	12
122	Affinity chromatography of two sets of isomeric antibodies having specificity for different oligosaccharide units of gum arabic. <i>Carbohydrate Research</i> , 1991 , 214, 1-10	2.9	12
121	Effects of Intraoperative Intrawound Antibiotic Administration on Spinal Fusion: A Comparison of Vancomycin and Tobramycin in a Rat Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019 , 101, 1741-1749	5.6	12
120	Time to Surgery and Outcomes in Cauda Equina Syndrome: An Analysis of 45 Cases. <i>World Neurosurgery</i> , 2016 , 87, 110-5	2.1	11
119	Postoperative survival and functional outcomes for patients with metastatic gynecological cancer to the spine: case series and review of the literature. <i>Journal of Neurosurgery: Spine</i> , 2016 , 24, 131-44	2.8	11
118	A cohort cost analysis of lumbar laminectomy--current trends in surgeon and hospital fees distribution. <i>Spine Journal</i> , 2013 , 13, 1434-7	4	11

117	Durotomy is associated with pseudoarthrosis following lumbar fusion. <i>Journal of Clinical Neuroscience</i> , 2015 , 22, 544-8	2.2	11
116	High incidence of morbidity following resection of metastatic pheochromocytoma in the spine. <i>Journal of Neurosurgery: Spine</i> , 2014 , 20, 726-33	2.8	11
115	A novel animal model of human breast cancer metastasis to the spine: a pilot study using intracardiac injection and luciferase-expressing cells. <i>Journal of Neurosurgery: Spine</i> , 2013 , 18, 217-25	2.8	11
114	Combination of stereotactic radiosurgery and cytokine gene-transduced tumor cell vaccination: a new strategy against metastatic brain tumors. <i>Journal of Neurosurgery</i> , 2001 , 95, 984-9	3.2	11
113	Investigational growth factors utilized in animal models of spinal fusion: Systematic review. <i>World Journal of Orthopedics</i> , 2019 , 10, 176-191	2.2	11
112	Fusion following lateral mass reconstruction in the cervical spine. <i>Journal of Neurosurgery: Spine</i> , 2015 , 22, 139-50	2.8	10
111	Tokuhashi score is predictive of survival in a cohort of patients undergoing surgery for renal cell carcinoma spinal metastases. <i>European Spine Journal</i> , 2015 , 24, 2142-9	2.7	10
110	Scoring System to Triage Patients for Spine Surgery in the Setting of Limited Resources: Application to the Coronavirus Disease 2019 (COVID-19) Pandemic and Beyond. <i>World Neurosurgery</i> , 2020 , 140, e373-e380	2.1	10
109	L4 and L5 spondylectomy for en bloc resection of giant cell tumor and review of the literature. <i>Evidence-based Spine-care Journal</i> , 2014 , 5, 151-7		10
108	Renal osteodystrophy: neurosurgical considerations and challenges. <i>World Neurosurgery</i> , 2012 , 78, 191.E23-33		10
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