Michael G Fehlings

List of Publications by Year
in descending order

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698 papers	45,873 citations	1883 102 h-index	3714 179 g-index
714 all docs	714 docs citations	714 times ranked	22761 citing authors

#	Article	IF	Citations
1	Review of the secondary injury theory of acute spinal cord trauma with emphasis on vascular mechanisms. Journal of Neurosurgery, 1991, 75, 15-26.	0.9	1,296
2	Traumatic spinal cord injury. Nature Reviews Disease Primers, 2017, 3, 17018.	18.1	1,138
3	Epidemiology, Demographics, and Pathophysiology of Acute Spinal Cord Injury. Spine, 2001, 26, S2-S12.	1.0	1,132
4	A Novel Classification System for Spinal Instability in Neoplastic Disease. Spine, 2010, 35, E1221-E1229.	1.0	891
5	Early versus Delayed Decompression for Traumatic Cervical Spinal Cord Injury: Results of the Surgical Timing in Acute Spinal Cord Injury Study (STASCIS). PLoS ONE, 2012, 7, e32037.	1.1	883
6	Self-Assembling Nanofibers Inhibit Glial Scar Formation and Promote Axon Elongation after Spinal Cord Injury. Journal of Neuroscience, 2008, 28, 3814-3823.	1.7	644
7	AOSpine Thoracolumbar Spine Injury Classification System. Spine, 2013, 38, 2028-2037.	1.0	630
8	Degenerative Cervical Myelopathy. Spine, 2015, 40, E675-E693.	1.0	630
9	Current status of acute spinal cord injury pathophysiology and emerging therapies: promise on the horizon. Neurosurgical Focus, 2008, 25, E2.	1.0	627
10	Global prevalence and incidence of traumatic spinal cord injury. Clinical Epidemiology, 2014, 6, 309.	1.5	625
11	Traumatic Spinal Cord Injuryâ€"Repair and Regeneration. Neurosurgery, 2017, 80, S9-S22.	0.6	554
12	Delayed Transplantation of Adult Neural Precursor Cells Promotes Remyelination and Functional Neurological Recovery after Spinal Cord Injury. Journal of Neuroscience, 2006, 26, 3377-3389.	1.7	549
13	The Role of Excitotoxicity in Secondary Mechanisms of Spinal Cord Injury: A Review with an Emphasis on the Implications for White Matter Degeneration. Journal of Neurotrauma, 2004, 21, 754-774.	1.7	501
14	A Systematic Review of Cellular Transplantation Therapies for Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1611-1682.	1.7	490
15	Efficacy and Safety of Surgical Decompression in Patients with Cervical Spondylotic Myelopathy. Journal of Bone and Joint Surgery - Series A, 2013, 95, 1651-1658.	1.4	392
16	The relationships among the severity of spinal cord injury, residual neurological function, axon counts, and counts of retrogradely labeled neurons after experimental spinal cord injury. Experimental Neurology, 1995, 132, 220-228.	2.0	369
17	Acute Cervical Traumatic Spinal Cord Injury: MR Imaging Findings Correlated with Neurologic Outcomeâ€"Prospective Study with 100 Consecutive Patients1. Radiology, 2007, 243, 820-827.	3.6	361
18	Neuroprotection by minocycline facilitates significant recovery from spinal cord injury in mice. Brain, 2003, 126, 1628-1637.	3.7	350

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19	Diagnosis and management of metastatic spine disease. Journal of Neurosurgery: Spine, 2010, 13, 94-108.	0.9	340
20	Synergistic Effects of Transplanted Adult Neural Stem/Progenitor Cells, Chondroitinase, and Growth Factors Promote Functional Repair and Plasticity of the Chronically Injured Spinal Cord. Journal of Neuroscience, 2010, 30, 1657-1676.	1.7	328
21	Vertebral Compression Fracture After Spine Stereotactic Body Radiotherapy: A Multi-Institutional Analysis With a Focus on Radiation Dose and the Spinal Instability Neoplastic Score. Journal of Clinical Oncology, 2013, 31, 3426-3431.	0.8	319
22	Cervical Spondylotic Myelopathy. Neuroscientist, 2013, 19, 409-421.	2.6	318
23	Pathophysiology and Natural History of Cervical Spondylotic Myelopathy. Spine, 2013, 38, S21-S36.	1.0	303
24	Incidence and Prevalence of Spinal Cord Injury in Canada: A National Perspective. Neuroepidemiology, 2012, 38, 219-226.	1.1	293
25	AOSpine subaxial cervical spine injury classification system. European Spine Journal, 2016, 25, 2173-2184.	1.0	288
26	A Clinical Practice Guideline for the Management of Patients With Degenerative Cervical Myelopathy: Recommendations for Patients With Mild, Moderate, and Severe Disease and Nonmyelopathic Patients With Evidence of Cord Compression. Global Spine Journal, 2017, 7, 70S-83S.	1.2	277
27	Timing of Decompressive Surgery of Spinal Cord after Traumatic Spinal Cord Injury: An Evidence-Based Examination of Pre-Clinical and Clinical Studies. Journal of Neurotrauma, 2011, 28, 1371-1399.	1.7	275
28	Degenerative cervical myelopathy â€" update and future directions. Nature Reviews Neurology, 2020, 16, 108-124.	4.9	264
29	The functional landscape of mouse gene expression. Journal of Biology, 2004, 3, 21.	2.7	259
30	The Evidence for Intraoperative Neurophysiological Monitoring in Spine Surgery. Spine, 2010, 35, S37-S46.	1.0	258
31	Pharmacological Approaches To Repair the Injured Spinal Cord. Journal of Neurotrauma, 2006, 23, 318-334.	1.7	243
32	Pathophysiology of cervical myelopathy. Spine Journal, 2006, 6, S190-S197.	0.6	236
33	A Phase I/IIa Clinical Trial of a Recombinant Rho Protein Antagonist in Acute Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 787-796.	1.7	236
34	The Aging of the Global Population. Neurosurgery, 2015, 77, S1-S5.	0.6	236
35	A Review of the Pathophysiology of Cervical Spondylotic Myelopathy With Insights for Potential Novel Mechanisms Drawn From Traumatic Spinal Cord Injury. Spine, 1998, 23, 2730-2736.	1.0	231
36	C1-C2 Posterior Cervical Fusion. Neurosurgery, 1995, 37, 688-693.	0.6	229

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37	A Systematic Review of Non-Invasive Pharmacologic Neuroprotective Treatments for Acute Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1545-1588.	1.7	218
38	A Global Perspective on the Outcomes of Surgical Decompression in Patients With Cervical Spondylotic Myelopathy. Spine, 2015, 40, 1322-1328.	1.0	216
39	Assessment and management of acute spinal cord injury: From point of injury to rehabilitation. Journal of Spinal Cord Medicine, 2017, 40, 665-675.	0.7	214
40	Role of NMDA and Non-NMDA Ionotropic Glutamate Receptors in Traumatic Spinal Cord Axonal Injury. Journal of Neuroscience, 1997, 17, 1055-1063.	1.7	212
41	A Clinical Practice Guideline for the Management of Acute Spinal Cord Injury: Introduction, Rationale, and Scope. Global Spine Journal, 2017, 7, 84S-94S.	1.2	209
42	The modified Japanese Orthopaedic Association scale: establishing criteria for mild, moderate and severe impairment in patients with degenerative cervical myelopathy. European Spine Journal, 2017, 26, 78-84.	1.0	203
43	The Timing of Surgical Intervention in the Treatment of Spinal Cord Injury: A Systematic Review of Recent Clinical Evidence. Spine, 2006, 31, S28-S35.	1.0	202
44	Time is spine: a review of translational advances in spinal cord injury. Journal of Neurosurgery: Spine, 2019, 30, 1-18.	0.9	200
45	Clinical predictors of neurological outcome, functional status, and survival after traumatic spinal cord injury: a systematic review. Journal of Neurosurgery: Spine, 2012, 17, 11-26.	0.9	198
46	Characterization of Vascular Disruption and Bloodâ€“Spinal Cord Barrier Permeability following Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2014, 31, 541-552.	1.7	197
47	Degenerative Cervical Myelopathy. Neurosurgery, 2015, 77, S51-S67.	0.6	197
48	Development and Characterization of a Novel, Graded Model of Clip Compressive Spinal Cord Injury in the Mouse: Part 1. Clip Design, Behavioral Outcomes, and Histopathology. Journal of Neurotrauma, 2002, 19, 175-190.	1.7	191
49	Anterior Versus Posterior Surgical Approaches to Treat Cervical Spondylotic Myelopathy. Spine, 2013, 38, 2247-2252.	1.0	190
50	Stereotactic body radiotherapy versus conventional external beam radiotherapy in patients with painful spinal metastases: an open-label, multicentre, randomised, controlled, phase 2/3 trial. Lancet Oncology, The, 2021, 22, 1023-1033.	5.1	183
51	Concise Review: Bridging the Gap: Novel Neuroregenerative and Neuroprotective Strategies in Spinal Cord Injury. Stem Cells Translational Medicine, 2016, 5, 914-924.	1.6	179
52	Intraoperative Adverse Events and Related Postoperative Complications in Spine Surgery: Implications for Enhancing Patient Safety Founded on Evidence-Based Protocols. Spine, 2006, 31, 1503-1510.	1.0	178
53	The influence of timing of surgical decompression for acute spinal cord injury: a pooled analysis of individual patient data. Lancet Neurology, The, 2021, 20, 117-126.	4.9	175
54	Global burden of traumatic brain and spinal cord injury. Lancet Neurology, The, 2019, 18, 24-25.	4.9	174

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55	Occipital Condyle Fractures. Neurosurgery, 1997, 41, 368-377.	0.6	173
56	Translating state-of-the-art spinal cord MRI techniques to clinical use: A systematic review of clinical studies utilizing DTI, MT, MWF, MRS, and fMRI. NeuroImage: Clinical, 2016, 10, 192-238.	1.4	173
57	A Prospective, Multicenter, Phase I Matched-Comparison Group Trial of Safety, Pharmacokinetics, and Preliminary Efficacy of Riluzole in Patients with Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2014, 31, 239-255.	1.7	172
58	Response assessment after stereotactic body radiotherapy for spinal metastasis: a report from the SPIne response assessment in Neuro-Oncology (SPINO) group. Lancet Oncology, The, 2015, 16, e595-e603.	5.1	170
59	Real-Time Continuous Intraoperative Electromyographic and Somatosensory Evoked Potential Recordings in Spinal Surgery: Correlation of Clinical and Electrophysiologic Findings in a Prospective, Consecutive Series of 213 Cases. Spine, 2004, 29, 677-684.	1.0	169
60	Current Practice in the Timing of Surgical Intervention in Spinal Cord Injury. Spine, 2010, 35, S166-S173.	1.0	169
61	The Influence of Time from Injury to Surgery on Motor Recovery and Length of Hospital Stay in Acute Traumatic Spinal Cord Injury: An Observational Canadian Cohort Study. Journal of Neurotrauma, 2015, 32, 645-654.	1.7	167
62	Pathobiology of cervical spondylotic myelopathy. European Spine Journal, 2015, 24, 132-138.	1.0	165
63	Survival and Clinical Outcomes in Surgically Treated Patients With Metastatic Epidural Spinal Cord Compression: Results of the Prospective Multicenter AOSpine Study. Journal of Clinical Oncology, 2016, 34, 268-276.	0.8	163
64	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. NeuroImage, 2019, 184, 901-915.	2.1	163
65	Emerging therapies for acute traumatic spinal cord injury. Cmaj, 2013, 185, 485-492.	0.9	158
66	A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury and Central Cord Syndrome: Recommendations on the Timing (â‰24 Hours Versus >24 Hours) of Decompressive Surgery. Global Spine Journal, 2017, 7, 195S-202S.	1.2	157
67	A Clinical Prediction Model for Long-Term Functional Outcome after Traumatic Spinal Cord Injury Based on Acute Clinical and Imaging Factors. Journal of Neurotrauma, 2012, 29, 2263-2271.	1.7	156
68	An In Vivo Characterization of Trophic Factor Production Following Neural Precursor Cell or Bone Marrow Stromal Cell Transplantation for Spinal Cord Injury. Stem Cells and Development, 2012, 21, 2222-2238.	1.1	155
69	The Optimal Radiologic Method for Assessing Spinal Canal Compromise and Cord Compression in Patients With Cervical Spinal Cord Injury. Spine, 1999, 24, 605-613.	1.0	154
70	Mechanisms of axonal dysfunction after spinal cord injury: with an emphasis on the role of voltage-gated potassium channels. Brain Research Reviews, 2001, 38, 165-191.	9.1	153
71	Association of Myelopathy Scores With Cervical Sagittal Balance and Normalized Spinal Cord Volume. Spine, 2013, 38, S161-S170.	1.0	151
72	A Clinical Prediction Model to Determine Outcomes in Patients with Cervical Spondylotic Myelopathy Undergoing Surgical Treatment. Journal of Bone and Joint Surgery - Series A, 2013, 95, 1659-1666.	1.4	149

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73	Update on the treatment of spinal cord injury. Progress in Brain Research, 2007, 161, 217-233.	0.9	140
74	Transplantation of Induced Pluripotent Stem Cell-Derived Neural Stem Cells Mediate Functional Recovery Following Thoracic Spinal Cord Injury Through Remyelination of Axons. Stem Cells Translational Medicine, 2015, 4, 743-754.	1.6	140
75	Magnetic resonance imaging assessment of degenerative cervical myelopathy: a review of structural changes and measurement techniques. Neurosurgical Focus, 2016, 40, E5.	1.0	139
76	The role and timing of early decompression for cervical spinal cord injury: Update with a review of recent clinical evidence. Injury, 2005, 36, S13-S26.	0.7	138
77	Predictors of outcome in patients with degenerative cervical spondylotic myelopathy undergoing surgical treatment: results of a systematic review. European Spine Journal, 2015, 24, 236-251.	1.0	137
78	The Urgency of Surgical Decompression in Acute Central Cord Injuries With Spondylosis and Without Instability. Spine, 2010, 35, S180-S186.	1.0	136
79	The Graded Redefined Assessment of Strength Sensibility and Prehension: Reliability and Validity. Journal of Neurotrauma, 2012, 29, 905-914.	1.7	129
80	Cell-based transplantation strategies to promote plasticity following spinal cord injury. Experimental Neurology, 2012, 235, 78-90.	2.0	127
81	Rodent Hypoxiaâ€“Ischemia Models for Cerebral Palsy Research: A Systematic Review. Frontiers in Neurology, 2016, 7, 57.	1.1	127
82	A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury: Recommendations on the Use of Methylprednisolone Sodium Succinate. Global Spine Journal, 2017, 7, 203S-211S.	1.2	127
83	Regeneration of Spinal Cord Connectivity Through Stem Cell Transplantation and Biomaterial Scaffolds. Frontiers in Cellular Neuroscience, 2019, 13, 248.	1.8	127
84	Predictors of hospital mortality and mechanical ventilation in patients with cervical spinal cord injury. Canadian Journal of Anaesthesia, 1998, 45, 144-149.	0.7	126
85	The Impact of Age on Mortality, Impairment, and Disability among Adults with Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2009, 26, 1707-1717.	1.7	126
86	Human neuropathological and animal model evidence supporting a role for Fas-mediated apoptosis and inflammation in cervical spondylotic myelopathy. Brain, 2011, 134, 1277-1292.	3.7	125
87	Translating mechanisms of neuroprotection, regeneration, and repair to treatment of spinal cord injury. Progress in Brain Research, 2015, 218, 15-54.	0.9	125
88	MRI in traumatic spinal cord injury: from clinical assessment to neuroimaging biomarkers. Lancet Neurology, The, 2019, 18, 1123-1135.	4.9	125
89	Methylprednisolone for the Treatment of Patients with Acute Spinal Cord Injuries: A Propensity Score-Matched Cohort Study from a Canadian Multi-Center Spinal Cord Injury Registry. Journal of Neurotrauma, 2015, 32, 1674-1683.	1.7	124
90	Timing of Decompression in Patients With Acute Spinal Cord Injury: A Systematic Review. Global Spine Journal, 2017, 7, 95S-115S.	1.2	122

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91	Evaluation of the neuroprotective effects of sodium channel blockers after spinal cord injury: improved behavioral and neuroanatomical recovery with riluzole. Journal of Neurosurgery: Spine, 2001, 94, 245-256.	0.9	121
92	The Minimum Clinically Important Difference of the Modified Japanese Orthopaedic Association Scale in Patients with Degenerative Cervical Myelopathy. Spine, 2015, 40, 1653-1659.	1.0	121
93	Pre-Hospital Care Management of a Potential Spinal Cord Injured Patient: A Systematic Review of the Literature and Evidence-Based Guidelines. Journal of Neurotrauma, 2011, 28, 1341-1361.	1.7	119
94	A novel experimental model of cervical spondylotic myelopathy (CSM) to facilitate translational research. Neurobiology of Disease, 2013, 54, 43-58.	2.1	117
95	Development and Characterization of a Novel, Graded Model of Clip Compressive Spinal Cord Injury in the Mouse: Part 2. Quantitative Neuroanatomical Assessment and Analysis of the Relationships between Axonal Tracts, Residual Tissue, and Locomotor Recovery. Journal of Neurotrauma, 2002, 19, 191-203.	1.7	116
96	Os Odontoideum. Neurosurgery, 2010, 66, A22-A31.	0.6	116
97	Hypothermia for spinal cord injury. Spine Journal, 2008, 8, 859-874.	0.6	115
98	Functional and clinical outcomes following surgical treatment in patients with cervical spondylotic myelopathy: a prospective study of 81 cases. Journal of Neurosurgery: Spine, 2011, 14, 348-355.	0.9	113
99	Incidence and severity of acute complications after spinal cord injury. Journal of Neurosurgery: Spine, 2012, 17, 119-128.	0.9	113
100	Complications from the use of intrawound vancomycin in lumbar spinal surgery: a systematic review. Neurosurgical Focus, 2015, 39, E11.	1.0	113
101	A Clinical Prediction Rule for Functional Outcomes in Patients Undergoing Surgery for Degenerative Cervical Myelopathy. Journal of Bone and Joint Surgery - Series A, 2015, 97, 2038-2046.	1.4	110
102	Chondroitinase and Growth Factors Enhance Activation and Oligodendrocyte Differentiation of Endogenous Neural Precursor Cells after Spinal Cord Injury. PLoS ONE, 2012, 7, e37589.	1.1	109
103	Intraoperative Multimodality Monitoring in Adult Spinal Deformity. Spine, 2009, 34, 1504-1512.	1.0	108
104	Ancillary Outcome Measures for Assessment of Individuals With Cervical Spondylotic Myelopathy. Spine, 2013, 38, S111-S122.	1.0	108
105	Recent advances in managing a spinal cord injury secondary to trauma. F1000Research, 2016, 5, 1017.	0.8	108
106	Emerging Safety of Intramedullary Transplantation of Human Neural Stem Cells in Chronic Cervical and Thoracic Spinal Cord Injury. Neurosurgery, 2018, 82, 562-575.	0.6	108
107	Limiting multiple sclerosis related axonopathy by blocking Nogo receptor and CRMP-2 phosphorylation. Brain, 2012, 135, 1794-1818.	3.7	107
108	Reliability analysis of the AOSpine thoracolumbar spine injury classification system by a worldwide group of naÃ¯ve spinal surgeons. European Spine Journal, 2016, 25, 1082-1086.	1.0	106

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109	Myelination of Congenitally Dysmyelinated Spinal Cord Axons by Adult Neural Precursor Cells Results in Formation of Nodes of Ranvier and Improved Axonal Conduction. Journal of Neuroscience, 2007, 27, 3416-3428.	1.7	104
110	A Systematic Review of Directly Applied Biologic Therapies for Acute Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1589-1610.	1.7	104
111	Systematic Review of Magnetic Resonance Imaging Characteristics That Affect Treatment Decision Making and Predict Clinical Outcome in Patients With Cervical Spondylotic Myelopathy. Spine, 2013, 38, S89-S110.	1.0	104
112	Prediction of Quality of Life and Survival After Surgery for Symptomatic Spinal Metastases. Neurosurgery, 2015, 77, 698-708.	0.6	104
113	Chapter 14 Secondary injury mechanisms of spinal cord trauma: a novel therapeutic approach for the management of secondary pathophysiology with the sodium channel blocker riluzole. Progress in Brain Research, 2002, 137, 177-190.	0.9	102
114	Motor and Sensory Assessment of Patients in Clinical Trials for Pharmacological Therapy of Acute Spinal Cord Injury: Psychometric Properties of the ASIA Standards. Journal of Neurotrauma, 2008, 25, 1273-1301.	1.7	102
115	Rho-ROCK Inhibition in the Treatment of Spinal Cord Injury. World Neurosurgery, 2014, 82, e535-e539.	0.7	100
116	Development of the Graded Redefined Assessment of Strength, Sensibility and Prehension (GRASSP): reviewing measurement specific to the upper limb in tetraplegia. Journal of Neurosurgery: Spine, 2012, 17, 65-76.	0.9	99
117	Medical Co-Morbidities, Secondary Complications, and Mortality in Elderly with Acute Spinal Cord Injury. Journal of Neurotrauma, 2003, 20, 391-399.	1.7	98
118	Comparing Quality of Life in Cervical Spondylotic Myelopathy with Other Chronic Debilitating Diseases Using the Short Form Survey 36-Health Survey. World Neurosurgery, 2017, 106, 699-706.	0.7	98
119	Current status of clinical trials for acute spinal cord injury. Injury, 2005, 36, S113-S122.	0.7	96
120	A self-assembling peptide reduces glial scarring, attenuates post-traumatic inflammation and promotes neurological recovery following spinal cord injury. Acta Biomaterialia, 2013, 9, 8075-8088.	4.1	96
121	Surgical management of cervical degenerative disease: the evidence related to indications, impact, and outcome. Journal of Neurosurgery: Spine, 2009, 11, 97-100.	0.9	95
122	Self-assembling peptides optimize the post-traumatic milieu and synergistically enhance the effects of neural stem cell therapy after cervical spinal cord injury. Acta Biomaterialia, 2016, 42, 77-89.	4.1	95
123	Fas/FasL-mediated apoptosis and inflammation are key features of acute human spinal cord injury: implications for translational, clinical application. Acta Neuropathologica, 2011, 122, 747-761.	3.9	93
124	A clinical prediction model to assess surgical outcome in patients with cervical spondylotic myelopathy: internal and external validations using the prospective multicenter AOSpine North American and international datasets of 743 patients. Spine Journal, 2015, 15, 388-397.	0.6	92
125	Psychometric Properties of the Modified Japanese Orthopaedic Association Scale in Patients With Cervical Spondylotic Myelopathy. Spine, 2015, 40, E23-E28.	1.0	92
126	Health Conditions: Effect on Function, Health-Related Quality of Life, and Life Satisfaction After Traumatic Spinal Cord Injury. A Prospective Observational Registry Cohort Study. Archives of Physical Medicine and Rehabilitation, 2018, 99, 443-451.	0.5	92

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127	Cellular Treatments for Spinal Cord Injury: The Time is Right for Clinical Trials. Neurotherapeutics, 2011, 8, 704-720.	2.1	91
128	Current status of experimental cell replacement approaches to spinal cord injury. Neurosurgical Focus, 2008, 24, E19.	1.0	90
129	An evidence-based review of decompressive surgery in acute spinal cord injury: rationale, indications, and timing based on experimental and clinical studies. Journal of Neurosurgery: Spine, 1999, 91, 1-11.	0.9	89
130	A systematic review of clinical and surgical predictors of complications following surgery for degenerative cervical myelopathy. Journal of Neurosurgery: Spine, 2016, 24, 77-99.	0.9	89
131	The effects of intrathecal injection of a hyaluronan-based hydrogel onÂinflammation, scarring and neurobehavioural outcomes in a rat model ofÂsevere spinal cord injury associated with arachnoiditis. Biomaterials, 2012, 33, 4555-4564.	5.7	88
132	Frequency, Timing, and Predictors of Neurological Dysfunction in the Nonmyelopathic Patient With Cervical Spinal Cord Compression, Canal Stenosis, and/or Ossification of the Posterior Longitudinal Ligament. Spine, 2013, 38, S37-S54.	1.0	88
133	Riluzole as a Neuroprotective Drug for Spinal Cord Injury: From Bench to Bedside. Molecules, 2015, 20, 7775-7789.	1.7	88
134	Consensus guidelines for postoperative stereotactic body radiation therapy for spinal metastases: results of an international survey. Journal of Neurosurgery: Spine, 2017, 26, 299-306.	0.9	88
135	Role of Magnetic Resonance Imaging in Predicting Surgical Outcome in Patients With Cervical Spondylotic Myelopathy. Spine, 2015, 40, 171-178.	1.0	87
136	Mobile spine chordoma: results of 166 patients from the AOSpine Knowledge Forum Tumor database. Journal of Neurosurgery: Spine, 2016, 24, 644-651.	0.9	87
137	Effect of Ventral vs Dorsal Spinal Surgery on Patient-Reported Physical Functioning in Patients With Cervical Spondylotic Myelopathy. JAMA - Journal of the American Medical Association, 2021, 325, 942.	3.8	87
138	Methylprednisolone for the Treatment of Acute Spinal Cord Injury. Neurosurgery, 2014, 61, 36-42.	0.6	86
139	Comparison of Anterior Surgical Options for the Treatment of Multilevel Cervical Spondylotic Myelopathy. Spine, 2013, 38, S195-S209.	1.0	85
140	Recent and Emerging Advances in Spinal Deformity. Neurosurgery, 2017, 80, S70-S85.	0.6	85
141	Temporal and spatial patterns of Kv1.1 and Kv1.2 protein and gene expression in spinal cord white matter after acute and chronic spinal cord injury in rats: implications for axonal pathophysiology after neurotrauma. European Journal of Neuroscience, 2004, 19, 577-589.	1.2	84
142	Epidemiology and Clinical Outcomes of Acute Spine Trauma and Spinal Cord Injury: Experience From a Specialized Spine Trauma Center in Canada in Comparison With a Large National Registry. Journal of Trauma, 2009, 67, 936-943.	2.3	84
143	Predictors of Surgical Outcome in Cervical Spondylotic Myelopathy. Spine, 2013, 38, 392-400.	1.0	84
144	Riluzole blocks perioperative ischemia-reperfusion injury and enhances postdecompression outcomes in cervical spondylotic myelopathy. Science Translational Medicine, 2015, 7, 316ra194.	5.8	84

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145	Neurologic Outcomes of Complex Adult Spinal Deformity Surgery. Spine, 2016, 41, 204-212.	1.0	84
146	A Grading System To Evaluate Objectively the Strength of Pre-Clinical Data of Acute Neuroprotective Therapies for Clinical Translation in Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1525-1543.	1.7	83
147	Cervical Spondylotic Myelopathy. Spine, 2013, 38, S1-S8.	1.0	83
148	Synergistic effects of self-assembling peptide and neural stem/progenitor cells to promote tissue repair and forelimb functionalÂrecovery in cervical spinal cord injury. Biomaterials, 2014, 35, 2617-2629.	5.7	83
149	RE-CODE DCM (REsearch Objectives and Common Data Elements for) Tj ETQq1 1 0.784314 rgBT /Overlo Efficiency in DCM, Through Establishment of a Standardized Dataset for Clinical Research and the Definition of the Research Priorities. Global Spine Journal, 2019, 9, 65S-76S.	1.2	83
150	Cell-based and stem-cell-based treatments for spinal cord injury: evidence from clinical trials. Lancet Neurology, The, 2022, 21, 659-670.	4.9	83
151	Inhibition of Fas-Mediated Apoptosis through Administration of Soluble Fas Receptor Improves Functional Outcome and Reduces Posttraumatic Axonal Degeneration after Acute Spinal Cord Injury. Journal of Neurotrauma, 2006, 23, 604-616.	1.7	81
152	Surgeon Perceptions and Reported Complications in Spine Surgery. Spine, 2010, 35, S9-S21.	1.0	81
153	An engineered transcription factor which activates VEGF-A enhances recovery after spinal cord injury. Neurobiology of Disease, 2010, 37, 384-393.	2.1	81
154	Human Oligodendrogenic Neural Progenitor Cells Delivered with Chondroitinase ABC Facilitate Functional Repair of Chronic Spinal Cord Injury. Stem Cell Reports, 2018, 11, 1433-1448.	2.3	81
155	Delayed Post-Injury Administration of Riluzole Is Neuroprotective in a Preclinical Rodent Model of Cervical Spinal Cord Injury. Journal of Neurotrauma, 2013, 30, 441-452.	1.7	80
156	Abnormal axonal physiology is associated with altered expression and distribution of Kv1.1 and Kv1.2 K+channels after chronic spinal cord injury. European Journal of Neuroscience, 2000, 12, 491-506.	1.2	79
157	Spine Stereotactic Body Radiotherapy: Indications, Outcomes, and Points of Caution. Global Spine Journal, 2017, 7, 179-197.	1.2	79
158	The Use of Intraoperative Neurophysiological Monitoring in Spine Surgery. Global Spine Journal, 2020, 10, 104S-114S.	1.2	78
159	Significant Predictors of Outcome Following Surgery for the Treatment of Degenerative Cervical Myelopathy. Neurosurgery Clinics of North America, 2018, 29, 115-127.e35.	0.8	77
160	Using a machine learning approach to predict outcome after surgery for degenerative cervical myelopathy. PLoS ONE, 2019, 14, e0215133.	1.1	77
161	Transplantation of Neural Stem Cells Clonally Derived from Embryonic Stem Cells Promotes Recovery After Murine Spinal Cord Injury. Stem Cells and Development, 2015, 24, 36-50.	1.1	76
162	Systemic and Topical Use of Tranexamic Acid in Spinal Surgery: A Systematic Review. Global Spine Journal, 2016, 6, 284-295.	1.2	76

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163	Human Spinal Oligodendrogenic Neural Progenitor Cells Promote Functional Recovery After Spinal Cord Injury by Axonal Remyelination and Tissue Sparing. Stem Cells Translational Medicine, 2018, 7, 806-818.	1.6	76
164	The leading edge: Emerging neuroprotective and neuroregenerative cell-based therapies for spinal cord injury. Stem Cells Translational Medicine, 2020, 9, 1509-1530.	1.6	76
165	Bone substitutes and expanders in Spine Surgery: A review of their fusion efficacies. International Journal of Spine Surgery, 2016, 10, 33.	0.7	75
166	Comparison of Anterior and Posterior Surgery for Degenerative Cervical Myelopathy. Journal of Bone and Joint Surgery - Series A, 2017, 99, 1013-1021.	1.4	75
167	Efficacy and Safety of Methylprednisolone Sodium Succinate in Acute Spinal Cord Injury: A Systematic Review. Global Spine Journal, 2017, 7, 116S-137S.	1.2	74
168	Neural stem cell mediated recovery is enhanced by Chondroitinase ABC pretreatment in chronic cervical spinal cord injury. PLoS ONE, 2017, 12, e0182339.	1.1	73
169	Interobserver and Intraobserver Reliability of Maximum Canal Compromise and Spinal Cord Compression for Evaluation of Acute Traumatic Cervical Spinal Cord Injury. Spine, 2006, 31, 1719-1725.	1.0	72
170	A summary of assessment tools for patients suffering from cervical spondylotic myelopathy: a systematic review on validity, reliability and responsiveness. European Spine Journal, 2015, 24, 209-228.	1.0	72
171	Does age affect surgical outcomes in patients with degenerative cervical myelopathy? Results from the prospective multicenter AOSpine International study on 479 patients. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 734-740.	0.9	72
172	Type and Timing of Rehabilitation Following Acute and Subacute Spinal Cord Injury: A Systematic Review. Global Spine Journal, 2017, 7, 175S-194S.	1.2	72
173	Current use and timing of spinal surgery for management of acute spinal cord injury in North America: results of a retrospective multicenter study. Journal of Neurosurgery: Spine, 1999, 91, 12-18.	0.9	71
174	Molecular mechanisms of spinal cord dysfunction and cell death in the spinal hyperostotic mouse: Implications for the pathophysiology of human cervical spondylotic myelopathy. Neurobiology of Disease, 2009, 33, 149-163.	2.1	71
175	Predictors of Treatment Outcomes in Geriatric Patients With Odontoid Fractures. Spine, 2013, 38, 881-886.	1.0	71
176	Risk Factors for Recurrence of Surgically Treated Conventional Spinal Schwannomas. Spine, 2016, 41, 390-398.	1.0	71
177	Decision Making in the Surgical Treatment of Cervical Spine Metastases. Spine, 2009, 34, S108-S117.	1.0	70
178	Reported Outcome Measures in Degenerative Cervical Myelopathy: A Systematic Review. PLoS ONE, 2016, 11, e0157263.	1.1	70
179	Osteosarcoma of the spine: prognostic variables for local recurrence and overall survival, a multicenter ambispective study. Journal of Neurosurgery: Spine, 2016, 25, 59-68.	0.9	70
180	Laminectomy and fusion versus laminoplasty for the treatment of degenerative cervical myelopathy: results from the AOSpine North America and International prospective multicenter studies. Spine Journal, 2017, 17, 102-108.	0.6	70

#	Article	IF	Citations
181	The Effects of Gender on Clinical and Neurological Outcomes after Acute Cervical Spinal Cord Injury. Journal of Neurotrauma, 2005, 22, 368-381.	1.7	69
182	Can microstructural MRI detect subclinical tissue injury in subjects with asymptomatic cervical spinal cord compression? A prospective cohort study. BMJ Open, 2018, 8, e019809.	0.8	69
183	Optimal Timing of Surgical Decompression for Acute Traumatic Central Cord Syndrome. Neurosurgery, 2015, 77, S15-S32.	0.6	68
184	Stereotactic Body Radiotherapy for Spinal Metastases. Spine, 2016, 41, S238-S245.	1.0	68
185	Spine Oncologyâ€"Metastatic Spine Tumors. Neurosurgery, 2017, 80, S131-S137.	0.6	68
186	Mesenchymal Cells in the Treatment of Spinal Cord Injury: Current & Future Perspectives. Current Stem Cell Research and Therapy, 2013, 8, 25-38.	0.6	67
187	Delayed decompression exacerbates ischemia-reperfusion injury in cervical compressive myelopathy. JCI Insight, 2017, 2, .	2.3	67
188	Promising neuroprotective strategies for traumatic spinal cord injury with a focus on the differential effects among anatomical levels of injury. F1000Research, 2017, 6, 1907.	0.8	67
189	The effect of direct current field polarity on recovery after acute experimental spinal cord injury. Brain Research, 1992, 579, 32-42.	1.1	66
190	Is age a key determinant of mortality and neurological outcome after acute traumatic spinal cord injury?. Neurobiology of Aging, 2010, 31, 434-446.	1.5	66
191	State of the Art in Degenerative Cervical Myelopathy: An Update on Current Clinical Evidence. Neurosurgery, 2017, 80, S33-S45.	0.6	66
192	Predicting the minimum clinically important difference in patients undergoing surgery for the treatment of degenerative cervical myelopathy. Neurosurgical Focus, 2016, 40, E14.	1.0	65
193	The Association of Cervical Spine Alignment with Neurologic Recovery in a Prospective Cohort of Patients with Surgical Myelopathy: Analysis of a Series of 124 Cases. World Neurosurgery, 2016, 86, 112-119.	0.7	65
194	Nonoperative Versus Operative Management for the Treatment Degenerative Cervical Myelopathy: An Updated Systematic Review. Global Spine Journal, 2017, 7, 35S-41S.	1.2	65
195	Genome-wide gene expression profiling of stress response in a spinal cord clip compression injury model. BMC Genomics, 2013, 14, 583.	1.2	64
196	Riluzole attenuates neuropathic pain and enhances functional recovery in a rodent model of cervical spondylotic myelopathy. Neurobiology of Disease, 2014, 62, 394-406.	2.1	64
197	A Novel MRI Biomarker of Spinal Cord White Matter Injury: T2*-Weighted White Matter to Gray Matter Signal Intensity Ratio. American Journal of Neuroradiology, 2017, 38, 1266-1273.	1.2	64
198	Spinal cord injuries: how could cell therapy help?. Expert Opinion on Biological Therapy, 2017, 17, 529-541.	1.4	64

#	Article	IF	Citations
199	Minimum Clinically Important Difference in SF-36 Scores for Use in Degenerative Cervical Myelopathy. Spine, 2018, 43, E1260-E1266.	1.0	63
200	Clinically Feasible Microstructural MRI to Quantify Cervical Spinal Cord Tissue Injury Using DTI, MT, and T2*-Weighted Imaging: Assessment of Normative Data and Reliability. American Journal of Neuroradiology, 2017, 38, 1257-1265.	1.2	62
201	Functional Changes in Genetically Dysmyelinated Spinal Cord Axons of Shiverer Mice: Role of Juxtaparanodal Kv1 Family K+ Channels. Journal of Neurophysiology, 2006, 95, 1683-1695.	0.9	61
202	The Impact of Co-Morbidities on Age-Related Differences in Mortality after Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2009, 26, 1361-1367.	1.7	61
203	A Series of Systematic Reviews on the Treatment of Acute Spinal Cord Injury: A Foundation for Best Medical Practice. Journal of Neurotrauma, 2011, 28, 1329-1333.	1.7	61
204	Early Intravenous Delivery of Human Brain Stromal Cells Modulates Systemic Inflammation and Leads to Vasoprotection in Traumatic Spinal Cord Injury. Stem Cells Translational Medicine, 2016, 5, 991-1003.	1.6	60
205	Degenerative cervical myelopathy. Current Reviews in Musculoskeletal Medicine, 2016, 9, 263-271.	1.3	60
206	Immunoglobulin G: A Potential Treatment to Attenuate Neuroinflammation Following Spinal Cord Injury. Journal of Clinical Immunology, 2010, 30, 109-112.	2.0	59
207	Riluzole for the treatment of acute traumatic spinal cord injury: rationale for and design of the NACTN Phase I clinical trial. Journal of Neurosurgery: Spine, 2012, 17, 151-156.	0.9	59
208	A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury: Recommendations on the Role of Baseline Magnetic Resonance Imaging in Clinical Decision Making and Outcome Prediction. Global Spine Journal, 2017, 7, 221S-230S.	1.2	59
209	Defining age-related differences in outcome after traumatic spinal cord injury: analysis of a combined, multicenter dataset. Spine Journal, 2014, 14, 1192-1198.	0.6	58
210	The Relationship Between MRI Signal Intensity Changes, Clinical Presentation, and Surgical Outcome in Degenerative Cervical Myelopathy. Spine, 2017, 42, 1851-1858.	1.0	58
211	Intraoperative ultrasound in spine surgery: history, current applications, future developments. Quantitative Imaging in Medicine and Surgery, 2018, 8, 261-267.	1.1	58
212	Clinical prediction model for acute inpatient complications after traumatic cervical spinal cord injury: a subanalysis from the Surgical Timing in Acute Spinal Cord Injury Study. Journal of Neurosurgery: Spine, 2012, 17, 46-51.	0.9	57
213	Efficacy of i-Factor Bone Graft versus Autograft in Anterior Cervical Discectomy and Fusion. Spine, 2016, 41, 1075-1083.	1.0	57
214	En Bloc Resection Versus Intralesional Surgery in the Treatment of Giant Cell Tumor of the Spine. Spine, 2017, 42, 1383-1390.	1.0	57
215	The Natural History of Degenerative Cervical Myelopathy and the Rate of Hospitalization Following Spinal Cord Injury: An Updated Systematic Review. Global Spine Journal, 2017, 7, 28S-34S.	1.2	57
216	The reporting of study and population characteristics in degenerative cervical myelopathy: A systematic review. PLoS ONE, 2017, 12, e0172564.	1.1	57

#	Article	IF	Citations
217	Management of peripheral nerve sheath tumors: 17 years of experience at Toronto Western Hospital. Journal of Neurosurgery, 2018, 128, 1226-1234.	0.9	57
218	Monitoring for myelopathic progression with multiparametric quantitative MRI. PLoS ONE, 2018, 13, e0195733.	1.1	57
219	GDNF rescues the fate of neural progenitor grafts by attenuating Notch signals in the injured spinal cord in rodents. Science Translational Medicine, 2020, 12, .	5.8	57
220	Prevention, identification, and treatment of perioperative spinal cord injury. Neurosurgical Focus, 2008, 25, E15.	1.0	56
221	Immunoglobulin G (IgG) attenuates neuroinflammation and improves neurobehavioral recovery after cervical spinal cord injury. Journal of Neuroinflammation, 2012, 9, 224.	3.1	56
222	Iatrogenic neurologic deficit after lumbar spine surgery: A review. Clinical Neurology and Neurosurgery, 2015, 139, 76-80.	0.6	56
223	Induced Pluripotent Stem Cells for Traumatic Spinal Cord Injury. Frontiers in Cell and Developmental Biology, 2016, 4, 152.	1.8	56
224	Surgical decision-making in degenerative cervical myelopathy â€“ Anterior versus posterior approach. Journal of Clinical Neuroscience, 2018, 58, 7-12.	0.8	56
225	Cervical excitatory neurons sustain breathing after spinal cord injury. Nature, 2018, 562, 419-422.	13.7	56
226	Is surgery for cervical spondylotic myelopathy cost-effective? A cost-utility analysis based on data from the AOSpine North America prospective CSM study. Journal of Neurosurgery: Spine, 2012, 17, 89-93.	0.9	55
227	Modulating the immune response in spinal cord injury. Expert Review of Neurotherapeutics, 2016, 16, 1127-1129.	1.4	55
228	Frailty Is a Better Predictor than Age of Mortality and Perioperative Complications after Surgery for Degenerative Cervical Myelopathy: An Analysis of 41,369 Patients from the NSQIP Database 2010â€“2018. Journal of Clinical Medicine, 2020, 9, 3491.	1.0	55
229	Efficacy and Safety of Surgery for Mild Degenerative Cervical Myelopathy: Results of the AOSpine North America and International Prospective Multicenter Studies. Neurosurgery, 2019, 84, 890-897.	0.6	54
230	Validation of a Translated Version of the Modified Japanese Orthopaedic Association Score to Assess Outcomes in Cervical Spondylotic Myelopathy. Neurosurgery, 2010, 66, 1013-1016.	0.6	53
231	Surgical Management of Degenerative Cervical Myelopathy. Spine, 2013, 38, S171-S172.	1.0	53
232	Minimizing Blood Loss in Spine Surgery. Global Spine Journal, 2020, 10, 71S-83S.	1.2	53
233	Emerging Approaches to the Surgical Management of Acute Traumatic Spinal Cord Injury. Neurotherapeutics, 2011, 8, 187-194.	2.1	52
234	Examination of the Combined Effects of Chondroitinase ABC, Growth Factors and Locomotor Training following Compressive Spinal Cord Injury on Neuroanatomical Plasticity and Kinematics. PLoS ONE, 2014, 9, e111072.	1.1	51

#	Article	IF	Citations
235	An Examination of the Mechanisms by which Neural Precursors Augment Recovery following Spinal Cord Injury: A Key Role for Remyelination. Cell Transplantation, 2014, 23, 365-380.	1.2	51
236	Effect of older age on treatment decisions and outcomes among patients with traumatic spinal cord injury. Cmaj, 2015, 187, 873-880.	0.9	51
237	Early Versus Delayed Surgical Decompression of Spinal Cord after Traumatic Cervical Spinal Cord Injury: A Cost-Utility Analysis. World Neurosurgery, 2016, 88, 166-174.	0.7	51
238	C5 Palsy After Cervical Spine Surgery: A Multicenter Retrospective Review of 59 Cases. Global Spine Journal, 2017, 7, 64S-70S.	1.2	51
239	Assessment of the Hand in Tetraplegia Using the Graded Redefined Assessment of Strength, Sensibility and Prehension (GRASSP). Topics in Spinal Cord Injury Rehabilitation, 2009, 14, 34-46.	0.8	51
240	Plasticity of the Injured Human Spinal Cord: Insights Revealed by Spinal Cord Functional MRI. PLoS ONE, 2012, 7, e45560.	1.1	50
241	The Generation of Definitive Neural Stem Cells from PiggyBac Transposon-Induced Pluripotent Stem Cells Can Be Enhanced by Induction of the NOTCH Signaling Pathway. Stem Cells and Development, 2013, 22, 383-396.	1.1	50
242	Predicting Neurologic Recovery after Surgery in Patients with Deficits Secondary to MESCC. Spine, 2016, 41, S224-S230.	1.0	50
243	How Best to Manage the Spinal Epidural Abscess? A Current Systematic Review. World Neurosurgery, 2016, 93, 20-28.	0.7	50
244	Metastatic Spine Tumor Epidemiology: Comparison of Trends in Surgery Across Two Decades and Three Continents. World Neurosurgery, 2018, 114, e809-e817.	0.7	50
245	Surgery for degenerative cervical myelopathy: a patient-centered quality of life and health economic evaluation. Spine Journal, 2017, 17, 15-25.	0.6	49
246	Early Surgery for Traumatic Spinal Cord Injury: Where Are We Now?. Global Spine Journal, 2020, 10, 84S-91S.	1.2	49
247	Community engagement and knowledge translation: Progress and challenge in autism research. Autism, 2014, 18, 771-781.	2.4	48
248	Neurological outcomes of animal models of uterine artery ligation and relevance to human intrauterine growth restriction: a systematic review. Developmental Medicine and Child Neurology, 2015, 57, 420-430.	1.1	48
249	MRI Analysis of the Combined Prospectively Collected AOSpine North America and International Data. Spine, 2017, 42, 1058-1067.	1.0	48
250	The Role of Microglia in Modulating Neuroinflammation after Spinal Cord Injury. International Journal of Molecular Sciences, 2021, 22, 9706.	1.8	48
251	Predictors of Outcome in Patients with Cervical Spondylotic Myelopathy Undergoing Surgical Treatment: A Survey of Members from AOSpine International. World Neurosurgery, 2014, 81, 623-633.	0.7	47
252	Comparison of Outcomes of Surgical Treatment for Ossification of the Posterior Longitudinal Ligament Versus Other Forms of Degenerative Cervical Myelopathy. Journal of Bone and Joint Surgery - Series A, 2016, 98, 370-378.	1.4	47

#	Article	IF	Citations
253	Change in Functional Impairment, Disability, and Quality of Life Following Operative Treatment for Degenerative Cervical Myelopathy: A Systematic Review and Meta-Analysis. Global Spine Journal, 2017, 7, 53S-69S.	1.2	47
254	A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury: Recommendations on the Type and Timing of Rehabilitation. Global Spine Journal, 2017, 7, 231S-238S.	1.2	47
255	Metastatic Spine Disease: Should Patients With Short Life Expectancy Be Denied Surgical Care? An International Retrospective Cohort Study. Neurosurgery, 2020, 87, 303-311.	0.6	47
256	Emerging drugs for spinal cord injury. Expert Opinion on Emerging Drugs, 2008, 13, 63-80.	1.0	46
257	Are induced pluripotent stem cells the future of cellâ€based regenerative therapies for spinal cord injury?. Journal of Cellular Physiology, 2010, 222, 515-521.	2.0	46
258	Preoperative Magnetic Resonance Imaging Is Associated With Baseline Neurological Status and Can Predict Postoperative Recovery in Patients With Cervical Spondylotic Myelopathy. Spine, 2013, 38, 1170-1176.	1.0	46
259	Unintended durotomy in lumbar degenerative spinal surgery: a 10-year systematic review of the literature. Neurosurgical Focus, 2015, 39, E8.	1.0	46
260	Impact of Elevated Body Mass Index and Obesity on Long-term Surgical Outcomes for Patients With Degenerative Cervical Myelopathy. Spine, 2017, 42, 195-201.	1.0	46
261	Spinal Cord Injuryâ€”What Are the Controversies?. Journal of Orthopaedic Trauma, 2017, 31, S7-S13.	0.7	46
262	Recovery priorities in degenerative cervical myelopathy: a cross-sectional survey of an international, online community of patients. BMJ Open, 2019, 9, e031486.	0.8	46
263	Cost-utility analysis of posterior minimally invasive fusion compared with conventional open fusion for lumbar spondylolisthesis. SAS Journal, 2011, 5, 29-35.	1.3	45
264	Very High Resolution Ultrasound Imaging for Real-Time Quantitative Visualization of Vascular Disruption after Spinal Cord Injury. Journal of Neurotrauma, 2014, 31, 1767-1775.	1.7	45
265	Riluzole for Acute Traumatic Spinal Cord Injury: A Promising Neuroprotective TreatmentÂStrategy. World Neurosurgery, 2014, 81, 825-829.	0.7	45
266	Sensory cortical control of movement. Nature Neuroscience, 2020, 23, 75-84.	7.1	45
267	â€œTime is spineâ€• the importance of early intervention for traumatic spinal cord injury. Spinal Cord, 2020, 58, 1037-1039.	0.9	45
268	Safety and efficacy of riluzole in patients undergoing decompressive surgery for degenerative cervical myelopathy (CSM-Protect): a multicentre, double-blind, placebo-controlled, randomised, phase 3 trial. Lancet Neurology, The, 2021, 20, 98-106.	4.9	45
269	Frailty adversely affects outcomes of patients undergoing spine surgery: a systematic review. Spine Journal, 2021, 21, 988-1000.	0.6	45
270	Postoperative Magnetic Resonance Imaging Can Predict Neurological Recovery After Surgery for Cervical Spondylotic Myelopathy: A Prospective Study With Blinded Assessments. Neurosurgery, 2011, 69, 362-368.	0.6	44

#	Article	IF	Citations
271	In Vitro Characterization of Trophic Factor Expression in Neural Precursor Cells. Stem Cells and Development, 2012, 21, 432-447.	1.1	44
272	Changes in Pain Processing in the Spinal Cord and Brainstem after Spinal Cord Injury Characterized by Functional Magnetic Resonance Imaging. Journal of Neurotrauma, 2016, 33, 1450-1460.	1.7	44
273	Role of Sodium in the Pathophysiology of Secondary Spinal Cord Injury. Spine, 1995, 20, 2187-2191.	1.0	42
274	Process Benchmarking Appraisal of Surgical Decompression of Spinal Cord following Traumatic Cervical Spinal Cord Injury: Opportunities To Reduce Delays in Surgical Management. Journal of Neurotrauma, 2013, 30, 487-491.	1.7	42
275	A Clinical Practice Guideline for the Management of Degenerative Cervical Myelopathy: Introduction, Rationale, and Scope. Global Spine Journal, 2017, 7, 21S-27S.	1.2	42
276	Future Directions and New Technologies for the Management of Degenerative Cervical Myelopathy. Neurosurgery Clinics of North America, 2018, 29, 185-193.	0.8	42
277	Neuroimmunological therapies for treating spinal cord injury: Evidence and future perspectives. Experimental Neurology, 2021, 341, 113704.	2.0	42
278	Degenerative Cervical Myelopathy: Development and Natural History [AO Spine RECODE-DCM Research Priority Number 2]. Global Spine Journal, 2022, 12, 39S-54S.	1.2	42
279	Changes in pharmacological sensitivity of the spinal cord to potassium channel blockers following acute spinal cord injury. Brain Research, 1996, 736, 135-145.	1.1	41
280	The SCIentinel study - prospective multicenter study to define the spinal cord injury-induced immune depression syndrome (SCI-IDS) - study protocol and interim feasibility data. BMC Neurology, 2013, 13, 168.	0.8	41
281	Symptomatic Progression of Cervical Myelopathy and the Role of Nonsurgical Management. Spine, 2013, 38, S19-S20.	1.0	41
282	Neural Precursor Cell Transplantation Enhances Functional Recovery and Reduces Astrogliosis in Bilateral Compressive/Contusive Cervical Spinal Cord Injury. Stem Cells Translational Medicine, 2014, 3, 1148-1159.	1.6	41
283	Hematologic Abnormalities Within the First Week After Acute Isolated Traumatic Cervical Spinal Cord Injury. Spine, 2006, 31, 2674-2683.	1.0	40
284	Thromboprophylaxis in Traumatic and Elective Spinal Surgery. Spine, 2010, 35, 323-329.	1.0	40
285	Association of Preoperative Cervical Spine Alignment With Spinal Cord Magnetic Resonance Imaging Hyperintensity and Myelopathy Severity. Spine, 2015, 40, 11-16.	1.0	40
286	A Review of Clinical Trials in Spinal Cord Injury Including Biomarkers. Journal of Neurotrauma, 2018, 35, 1906-1917.	1.7	40
287	An Assessment of the Key Predictors of Perioperative Complications in Patients with Cervical Spondylotic Myelopathy Undergoing Surgical Treatment: Results from a Survey of 916 AOSpine International Members. World Neurosurgery, 2015, 83, 679-690.	0.7	39
288	A Systematic Review of Clinical Outcomes and Prognostic Factors for Patients Undergoing Surgery for Spinal Metastases Secondary to Breast Cancer. Global Spine Journal, 2016, 6, 482-496.	1.2	39

#	Article	IF	Citations
289	Clinical and Surgical Predictors of Complications Following Surgery for the Treatment of Cervical Spondylotic Myelopathy. Neurosurgery, 2016, 79, 33-44.	0.6	39
290	Association Between Paraspinal Muscle Morphology, Clinical Symptoms, and Functional Status in Patients With Degenerative Cervical Myelopathy. Spine, 2017, 42, 232-239.	1.0	39
291	Clinical Evaluation of a Neuroprotective Drug in Patients With Cervical Spondylotic Myelopathy Undergoing Surgical Treatment. Spine, 2013, 38, S68-S75.	1.0	38
292	Bilateral Contusion-Compression Model of Incomplete Traumatic Cervical Spinal Cord Injury. Journal of Neurotrauma, 2014, 31, 1776-1788.	1.7	38
293	Impact of dynamic alignment, motion, and center of rotation on myelopathy grade and regional disability in cervical spondylotic myelopathy. Journal of Neurosurgery: Spine, 2015, 23, 690-700.	0.9	38
294	Association of Pneumonia, Wound Infection, and Sepsis with Clinical Outcomes after Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2019, 36, 3044-3050.	1.7	38
295	The Relationship Between Preoperative Clinical Presentation and Quantitative Magnetic Resonance Imaging Features in Patients With Degenerative Cervical Myelopathy. Neurosurgery, 2017, 80, 121-128.	0.6	37
296	Natural History, Predictors of Outcome, and Effects of Treatment in Thoracic Spinal Cord Injury: A Multi-Center Cohort Study from the North American Clinical Trials Network. Journal of Neurotrauma, 2018, 35, 2554-2560.	1.7	37
297	Survival, local control, and healthâ€related quality of life in patients with oligometastatic and polymetastatic spinal tumors: A multicenter, international study. Cancer, 2019, 125, 770-778.	2.0	37
298	Pathophysiology of Spinal Cord Injury. Neurosurgery Clinics of North America, 2021, 32, 305-313.	0.8	37
299	Systemic Polyethylene Glycol Promotes Neurological Recovery and Tissue Sparing in Rats After Cervical Spinal Cord Injury. Journal of Neuropathology and Experimental Neurology, 2009, 68, 661-676.	0.9	36
300	Visualization of cytoplasmic diffusion within living myelin sheaths of CNS white matter axons using microinjection of the fluorescent dye Lucifer Yellow. NeuroImage, 2011, 56, 27-34.	2.1	36
301	Patterns of epidural progression following postoperative spine stereotactic body radiotherapy: implications for clinical target volume delineation. Journal of Neurosurgery: Spine, 2016, 24, 652-659.	0.9	36
302	A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury: Recommendations on the Type and Timing of Anticoagulant Thromboprophylaxis. Global Spine Journal, 2017, 7, 212S-220S.	1.2	36
303	Are Higher Global Alignment and Proportion Scores Associated With Increased Risks of Mechanical Complications After Adult Spinal Deformity Surgery? An External Validation. Clinical Orthopaedics and Related Research, 2021, 479, 312-320.	0.7	36
304	Predictive Modeling of Outcomes After Traumatic and Nontraumatic Spinal Cord Injury Using Machine Learning: Review of Current Progress and Future Directions. Neurospine, 2019, 16, 678-685.	1.1	36
305	A New Framework for Investigating the Biological Basis of Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 5]: Mechanical Stress, Vulnerability and Time. Global Spine Journal, 2022, 12, 78S-96S.	1.2	36
306	Timing of Surgical Intervention in Spinal Trauma. Spine, 2010, 35, S159-S160.	1.0	35

#	Article	IF	Citations
307	Meaning of self-management from the perspective of individuals with traumatic spinal cord injury, their caregivers, and acute care and rehabilitation managers: an opportunity for improved care delivery. BMC Neurology, 2016, 16, 11.	0.8	35
308	Responsiveness, Sensitivity, and Minimally Detectable Difference of the Graded and Redefined Assessment of Strength, Sensibility, and Prehension, Version 1.0. Journal of Neurotrauma, 2016, 33, 307-314.	1.7	35
309	Impact of Baseline Magnetic Resonance Imaging on Neurologic, Functional, and Safety Outcomes in Patients With Acute Traumatic Spinal Cord Injury. Global Spine Journal, 2017, 7, 151S-174S.	1.2	35
310	Prediction Accuracy of Common Prognostic Scoring Systems for Metastatic Spine Disease. Spine, 2018, 43, 1678-1684.	1.0	35
311	Use of Machine Learning and Artificial Intelligence to Drive Personalized Medicine Approaches for Spine Care. World Neurosurgery, 2020, 140, 512-518.	0.7	35
312	Syringomyelia as a Complication of Tuberculous Meningitis. Canadian Journal of Neurological Sciences, 1992, 19, 84-87.	0.3	34
313	Mild diabetes is not a contraindication for surgical decompression in cervical spondylotic myelopathy: results of the AOSpine North America multicenter prospective study (CSM). Spine Journal, 2014, 14, 65-72.	0.6	34
314	Magnetic Resonance Imaging Assessment of Spinal Cord and Cauda Equina Motion in Supine Patients With Spinal Metastases Planned for Spine Stereotactic Body Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2015, 91, 995-1002.	0.4	34
315	Clinical and pathological outcomes after resection of intramedullary spinal cord tumors: a single-institution case series. Neurosurgical Focus, 2016, 41, E8.	1.0	34
316	Esophageal Perforation Following Anterior Cervical Spine Surgery: Case Report and Review of the Literature. Global Spine Journal, 2017, 7, 28S-36S.	1.2	34
317	External Validation of the Adult Spinal Deformity (ASD) Frailty Index (ASD-FI) in the Scoli-RISK-1 Patient Database. Spine, 2018, 43, 1426-1431.	1.0	34
318	Machine learning algorithms for prediction of health-related quality-of-life after surgery for mild degenerative cervical myelopathy. Spine Journal, 2021, 21, 1659-1669.	0.6	34
319	Epidemiology and Impact of Spinal Cord Injury in the Elderly: Results of a Fifteen-Year Population-Based Cohort Study. Journal of Neurotrauma, 2020, 37, 1740-1751.	1.7	34
320	A deep learning model for detection of cervical spinal cord compression in MRI scans. Scientific Reports, 2021, 11, 10473.	1.6	34
321	Imaging and Electrophysiology for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 9]. Global Spine Journal, 2022, 12, 130S-146S.	1.2	34
322	Investigational drugs for the treatment of spinal cord injury: review of preclinical studies and evaluation of clinical trials from Phase I to II. Expert Opinion on Investigational Drugs, 2015, 24, 645-658.	1.9	33
323	Characterization of the Antibody Response after Cervical Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 1209-1226.	1.7	33
324	Methylprednisolone treatment enhances early recovery following surgical decompression for degenerative cervical myelopathy without compromise to the systemic immune system. Journal of Neuroinflammation, 2018, 15, 222.	3.1	33

#	Article	IF	Citations
325	The effects of human immunoglobulin G on enhancing tissue protection and neurobehavioral recovery after traumatic cervical spinal cord injury are mediated through the neurovascular unit. Journal of Neuroinflammation, 2019, 16, 141.	3.1	33
326	Management of Acute Traumatic Central Cord Syndrome: A Narrative Review. Global Spine Journal, 2019, 9, 89S-97S.	1.2	33
327	Comparison of Anterior Cervical Discectomy and Fusion to Posterior Cervical Foraminotomy for Cervical Radiculopathy: Utilization, Costs, and Adverse Events 2003 to 2014. Neurosurgery, 2019, 84, 413-420.	0.6	33
328	Novel innovations in cell and gene therapies for spinal cord injury. F1000Research, 2020, 9, 279.	0.8	33
329	Incidence and risk factors of postoperative neurologic decline after complex adult spinal deformity surgery: results of the Scoli-RISK-1 study. Spine Journal, 2018, 18, 1733-1740.	0.6	32
330	Management â€“ spinal metastases. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 149, 239-255.	1.0	32
331	Highly Cited Works in Spinal Disorders. Spine, 2018, 43, 1746-1755.	1.0	32
332	Degenerative Cervical Myelopathy; A Review of the Latest Advances and Future Directions in Management. Neurospine, 2019, 16, 494-505.	1.1	32
333	The Association between Polycystic Kidney Disease and Cerebral Aneurysms. Canadian Journal of Neurological Sciences, 1991, 18, 505-509.	0.3	31
334	Admission and Acute Complication Rate for Outpatient Lumbar Microdiscectomy. Canadian Journal of Neurological Sciences, 2010, 37, 49-53.	0.3	31
335	Assessment of Quality of Life After Surgery for Spinal Metastases: Position Statement of the Global Spine Tumour Study Group. World Neurosurgery, 2013, 80, e175-e179.	0.7	31
336	Prevalence of Klippel-Feil Syndrome in a Surgical Series of Patients with Cervical Spondylotic Myelopathy: Analysis of the Prospective, Multicenter AOSpine North America Study. Global Spine Journal, 2015, 5, 294-299.	1.2	31
337	Epidemiology and Outcomes of Vertebral Artery Injury in 16â€‰582 Cervical Spine Surgery Patients: An AOSpine North America Multicenter Study. Global Spine Journal, 2017, 7, 21S-27S.	1.2	31
338	Change in Function, Pain, and Quality of Life Following Structured Nonoperative Treatment in Patients With Degenerative Cervical Myelopathy: A Systematic Review. Global Spine Journal, 2017, 7, 42S-52S.	1.2	31
339	Psychometric evaluation and adaptation of the Spine Oncology Study Group Outcomes Questionnaire to evaluate healthâ€related quality of life in patients with spinal metastases. Cancer, 2018, 124, 1828-1838.	2.0	31
340	A Systematic Review of Classification Systems for Cervical Ossification of the Posterior Longitudinal Ligament. Global Spine Journal, 2019, 9, 85-103.	1.2	31
341	A combination of mesenchymal stem cells and scaffolds promotes motor functional recovery in spinal cord injury: a systematic review and meta-analysis. Journal of Neurosurgery: Spine, 2020, 32, 269-284.	0.9	31
342	In-Hospital Mortality for the Elderly with Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2020, 37, 2332-2342.	1.7	31

#	Article	IF	Citations
343	A new model of acute compressive spinal cord injury in vitro. Journal of Neuroscience Methods, 1997, 71, 215-224.	1.3	30
344	Congenital Cervical Fusion as a Risk Factor for Development of Degenerative Cervical Myelopathy. World Neurosurgery, 2017, 100, 531-539.	0.7	30
345	Impact of Depression and Bipolar Disorders on Functional and Quality of Life Outcomes in Patients Undergoing Surgery for Degenerative Cervical Myelopathy. Spine, 2017, 42, 372-378.	1.0	30
346	Automatic spinal cord localization, robust to MRI contrasts using global curve optimization. Medical Image Analysis, 2018, 44, 215-227.	7.0	30
347	Comparison of the Inpatient Complications and Health Care Costs of Anterior versus Posterior Cervical Decompression and Fusion in Patients with Multilevel Degenerative Cervical Myelopathy: A Retrospective Propensity Scoreâ€“Matched Analysis. World Neurosurgery, 2020, 134, e112-e119.	0.7	30
348	The Functional Role of Spinal Interneurons Following Traumatic Spinal Cord Injury. Frontiers in Cellular Neuroscience, 2020, 14, 127.	1.8	30
349	Generating level-dependent models of cervical and thoracic spinal cord injury: Exploring the interplay of neuroanatomy, physiology, and function. Neurobiology of Disease, 2017, 105, 194-212.	2.1	30
350	The potential for stem cell therapies to have an impact on cerebral palsy: opportunities and limitations. Developmental Medicine and Child Neurology, 2013, 55, 689-697.	1.1	29
351	A New Acute Impact-Compression Lumbar Spinal Cord Injury Model in the Rodent. Journal of Neurotrauma, 2016, 33, 278-289.	1.7	29
352	Recurrent Laryngeal Nerve Palsy After Cervical Spine Surgery: A Multicenter AOSpine Clinical Research Network Study. Global Spine Journal, 2017, 7, 53S-57S.	1.2	29
353	Influence of Magnetic Resonance Imaging Features on Surgical Decision-Making in Degenerative Cervical Myelopathy: Results from a Global Survey of AOSpine International Members. World Neurosurgery, 2017, 105, 864-874.	0.7	29
354	Risk Factors for and Clinical Outcomes of Dysphagia After Anterior Cervical Surgery for Degenerative Cervical Myelopathy. Journal of Bone and Joint Surgery - Series A, 2017, 99, 1069-1077.	1.4	29
355	Clinico-Radiographic Discordance: An Evidence-Based Commentary on the Management of Degenerative Cervical Spinal Cord Compression in the Absence of Symptoms or With Only Mild Symptoms of Myelopathy. Global Spine Journal, 2018, 8, 527-534.	1.2	29
356	Level-Specific Differences in Systemic Expression of Pro- and Anti-Inflammatory Cytokines and Chemokines after Spinal Cord Injury. International Journal of Molecular Sciences, 2018, 19, 2167.	1.8	29
357	Association of neurologic deficits with surgical outcomes and healthâ€related quality of life after treatment for metastatic epidural spinal cord compression. Cancer, 2019, 125, 4224-4231.	2.0	29
358	Symptomatic spinal metastasis: A systematic literature review of the preoperative prognostic factors for survival, neurological, functional and quality of life in surgically treated patients and methodological recommendations for prognostic studies. PLoS ONE, 2017, 12, e0171507.	1.1	29
359	Rare Complications of Cervical Spine Surgery: Hornerâ€™s Syndrome. Global Spine Journal, 2017, 7, 103S-108S.	1.2	28
360	i-Factorâ„¢ Bone Graft vs Autograft in Anterior Cervical Discectomy and Fusion: 2-Year Follow-up of the Randomized Single-Blinded Food and Drug Administration Investigational Device Exemption Study. Neurosurgery, 2018, 83, 377-384.	0.6	28

#	Article	IF	Citations
361	Patient phenotypes associated with outcome following surgery for mild degenerative cervical myelopathy: a principal component regression analysis. Spine Journal, 2018, 18, 2220-2231.	0.6	28
362	A review of emerging neuroprotective and neuroregenerative therapies in traumatic spinal cord injury. Current Opinion in Pharmacology, 2021, 60, 331-340.	1.7	28
363	Improving Awareness Could Transform Outcomes in Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 1]. Global Spine Journal, 2022, 12, 28S-38S.	1.2	28
364	Introduction: Spinal cord injury at the cutting edge of clinical translation: a focus issue collaboration between NACTN and AOSpine North America. Journal of Neurosurgery: Spine, 2012, 17, 1-3.	0.9	27
365	Genetics and Heritability of Cervical Spondylotic Myelopathy and Ossification of the Posterior Longitudinal Ligament. Spine, 2013, 38, S123-S146.	1.0	27
366	Delayed Administration of a Bio-Engineered Zinc-Finger VEGF-A Gene Therapy Is Neuroprotective and Attenuates Allodynia Following Traumatic Spinal Cord Injury. PLoS ONE, 2014, 9, e96137.	1.1	27
367	Do Quantitative Magnetic Resonance Imaging Parameters Correlate With the Clinical Presentation and Functional Outcomes After Surgery in Cervical Spondylotic Myelopathy? A Prospective Multicenter Study. Spine, 2014, 39, 1488-1497.	1.0	27
368	Spinal column chordoma: prognostic significance of clinical variables andT (brachyury) gene SNP rs2305089 for local recurrence and overall survival. Neuro-Oncology, 2016, 19, now156.	0.6	27
369	Epidural Hematoma Following Cervical Spine Surgery. Global Spine Journal, 2017, 7, 120S-126S.	1.2	27
370	The role of revision surgery and adjuvant therapy following subtotal resection of osteosarcoma of the spine: a systematic review with meta-analysis. Journal of Neurosurgery: Spine, 2017, 27, 97-104.	0.9	27
371	Ewing Sarcoma of the Spine. Spine, 2018, 43, 622-629.	1.0	27
372	Predictive factors of survival in a surgical series of metastatic epidural spinal cord compression and complete external validation of 8 multivariate models of survival in a prospective North American multicenter study. Cancer, 2018, 124, 3536-3550.	2.0	27
373	Predicting Outcomes After Surgical Decompression for Mild Degenerative Cervical Myelopathy: Moving Beyond the mJOA to Identify Surgical Candidates. Neurosurgery, 2020, 86, 565-573.	0.6	27
374	Mir21 modulates inflammation and sensorimotor deficits in cervical myelopathy: data from humans and animal models. Brain Communications, 2021, 3, fcaa234.	1.5	27
375	Establishing the Socio-Economic Impact of Degenerative Cervical Myelopathy Is Fundamental to Improving Outcomes [AO Spine RECODE-DCM Research Priority Number 8]. Global Spine Journal, 2022, 12, 122S-129S.	1.2	27
376	We Choose to Call it â€˜Degenerative Cervical Myelopathyâ€™: Findings of AO Spine RECODE-DCM, an International and Multi-Stakeholder Partnership to Agree a Standard Unifying Term and Definition for a Disease. Global Spine Journal, 2024, 14, 503-512.	1.2	27
377	Will imaging biomarkers transform spinal cord injury trials?. Lancet Neurology, The, 2013, 12, 843-844.	4.9	26
378	Iatrogenic Spinal Cord Injury Resulting From Cervical Spine Surgery. Global Spine Journal, 2017, 7, 84S-90S.	1.2	26

#	Article	IF	Citations
379	Predictors of Health-Related Quality-of-Life After Complex Adult Spinal Deformity Surgery: A Scoli-RISK-1 Secondary Analysis. Spine Deformity, 2017, 5, 139-144.	0.7	26
380	A Mouse Model of Bilateral Cervical Contusion-Compression Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 1227-1239.	1.7	26
381	Imaging Evaluation of Degenerative Cervical Myelopathy. Neurosurgery Clinics of North America, 2018, 29, 33-45.	0.8	26
382	Structural and functional alterations of spinal cord axons in adult Long Evans Shaker (LES) dysmyelinated rats. Experimental Neurology, 2005, 193, 334-349.	2.0	25
383	Treatment of Spinal Cord Injury with Intravenous Immunoglobulin G: Preliminary Evidence and Future Perspectives. Journal of Clinical Immunology, 2014, 34, 132-138.	2.0	25
384	Does Magnetic Resonance Imaging Improve the Predictive Performance of a Validated Clinical Prediction Rule Developed to Evaluate Surgical Outcome in Patients With Degenerative Cervical Myelopathy?. Spine, 2015, 40, 1092-1100.	1.0	25
385	Prediction of Outcome Following Surgical Treatment of Cervical Myelopathy Based on Features of Ossification of the Posterior Longitudinal Ligament. JBJS Reviews, 2017, 5, .	0.8	25
386	Translational Advances in the Management of Acute Spinal Cord Injury. Neurosurgery, 2017, 64, 119-128.	0.6	25
387	Guidelines for the Management of Degenerative Cervical Myelopathy and Spinal Cord Injury: An Introduction to a Focus Issue. Global Spine Journal, 2017, 7, 6S-7S.	1.2	25
388	Novel Osteobiologics and Biomaterials in the Treatment of Spinal Disorders. Neurosurgery, 2017, 80, S100-S107.	0.6	25
389	The extent of intrauterine growth restriction determines the severity of cerebral injury and neurobehavioural deficits in rodents. PLoS ONE, 2017, 12, e0184653.	1.1	25
390	Confocal imaging of changes in glial calcium dynamics and homeostasis after mechanical injury in rat spinal cord white matter. NeuroImage, 2004, 21, 1069-1082.	2.1	24
391	Emerging and established clinical, histopathological and molecular parametric prognostic factors for metastatic spine disease secondary to lung cancer: Helping surgeons make decisions. Journal of Clinical Neuroscience, 2016, 34, 15-22.	0.8	24
392	Retrospective analysis underestimates neurological deficits in complex spinal deformity surgery: a Scoli-RISK-1 Study. Journal of Neurosurgery: Spine, 2017, 27, 68-73.	0.9	24
393	Evaluation of Adverse Events in Total Disc Replacement: A Meta-Analysis of FDA Summary of Safety and Effectiveness Data. Global Spine Journal, 2017, 7, 76S-83S.	1.2	24
394	Outcomes of Surgical Decompression in Patients With Very Severe Degenerative Cervical Myelopathy. Spine, 2018, 43, 1102-1109.	1.0	24
395	Examining the fundamental biology of a novel population of directly reprogrammed human neural precursor cells. Stem Cell Research and Therapy, 2019, 10, 166.	2.4	24
396	Early Intravenous Infusion of Mesenchymal Stromal Cells Exerts a Tissue Source Ageâ€Dependent Beneficial Effect on Neurovascular Integrity and Neurobehavioral Recovery After Traumatic Cervical Spinal Cord Injury. Stem Cells Translational Medicine, 2019, 8, 639-649.	1.6	24

#	Article	IF	Citations
397	Is Preoperative Duration of Symptoms a Significant Predictor of Functional Outcomes in Patients Undergoing Surgery for the Treatment of Degenerative Cervical Myelopathy?. Neurosurgery, 2019, 85, 642-647.	0.6	24
398	Inter-rater Reliability of the Modified Japanese Orthopedic Association Score in Degenerative Cervical Myelopathy. Spine, 2021, 46, 1063-1069.	1.0	24
399	The biology of ependymomas andÂemerging novel therapies. Nature Reviews Cancer, 2022, 22, 208-222.	12.8	24
400	Spinal Cord Injury: The Promise of Translational Research. Neurosurgical Focus, 2008, 25, E1.	1.0	23
401	Does Postsurgical Cervical Deformity Affect the Risk of Cervical Adjacent Segment Pathology? A Systematic Review. Spine, 2012, 37, S75-S84.	1.0	23
402	Anterior Cervical Infection: Presentation and Incidence of an Uncommon Postoperative Complication. Global Spine Journal, 2017, 7, 12S-16S.	1.2	23
403	Impact of Cervical Spine Deformity on Preoperative Disease Severity and Postoperative Outcomes Following Fusion Surgery for Degenerative Cervical Myelopathy. Spine, 2018, 43, 248-254.	1.0	23
404	The Damaged Spinal Cord Is a Suitable Target for Stem Cell Transplantation. Neurorehabilitation and Neural Repair, 2020, 34, 758-768.	1.4	23
405	Clinical outcomes of nonoperatively managed degenerative cervical myelopathy: an ambispective longitudinal cohort study in 117 patients. Journal of Neurosurgery: Spine, 2021, 34, 821-829.	0.9	23
406	Genetic targeting of protease activated receptor 2 reduces inflammatory astrogliosis and improves recovery of function after spinal cord injury. Neurobiology of Disease, 2015, 83, 75-89.	2.1	22
407	Defining the Pathway to Definitive Care and Surgical Decompression after Traumatic Spinal Cord Injury: Results of a Canadian Population-Based Cohort Study. Journal of Neurotrauma, 2016, 33, 963-971.	1.7	22
408	Topologically preserving straightening of spinal cord MRI. Journal of Magnetic Resonance Imaging, 2017, 46, 1209-1219.	1.9	22
409	Surgical management of spinal osteoblastomas. Journal of Neurosurgery: Spine, 2017, 27, 321-327.	0.9	22
410	Psychometric properties of the 30-m walking test in patients with degenerative cervical myelopathy: results from two prospective multicenter cohort studies. Spine Journal, 2017, 17, 211-217.	0.6	22
411	A Randomized Controlled Trial of Local Delivery of a Rho Inhibitor (VX-210) in Patients with Acute Traumatic Cervical Spinal Cord Injury. Journal of Neurotrauma, 2021, 38, 2065-2072.	1.7	22
412	Investigating the utility of intraoperative neurophysiological monitoring for anterior cervical discectomy and fusion: analysis of over 140,000 cases from the National (Nationwide) Inpatient Sample data set. Journal of Neurosurgery: Spine, 2019, 31, 76-86.	0.9	22
413	Clinical outcome measures and their evidence base in degenerative cervical myelopathy: a systematic review to inform a core measurement set (AO Spine RECODE-DCM). BMJ Open, 2022, 12, e057650.	0.8	22
414	Spinal cord clinical trials and the role for bioengineering. Neuroscience Letters, 2012, 519, 93-102.	1.0	21

#	Article	IF	Citations
415	Clinical Registries and Evidence-Based Care Pathways. Spine, 2014, 39, S136-S138.	1.0	21
416	The Potential for iPS-Derived Stem Cells as a Therapeutic Strategy for Spinal Cord Injury: Opportunities and Challenges. Journal of Clinical Medicine, 2015, 4, 37-65.	1.0	21
417	Do Caucasians and East Asians have Different Outcomes Following Surgery for the Treatment of Degenerative Cervical Myelopathy?. Spine, 2016, 41, 1428-1435.	1.0	21
418	New Clinical-Pathological Classification of Intraspinal Injury Following Traumatic Acute Complete Thoracic Spinal Cord Injury. Neurosurgery, 2017, 64, 105-109.	0.6	21
419	A multicenter cohort study of spinal osteoid osteomas: results of surgical treatment and analysis of local recurrence. Spine Journal, 2017, 17, 401-408.	0.6	21
420	A Randomized Controlled Trial of Early versus Late Surgical Decompression for Thoracic and Thoracolumbar Spinal Cord Injury in 73 Patients. Neurotrauma Reports, 2020, 1, 78-87.	0.5	21
421	Methylprednisolone Reduces Persistent Post-ischemic Inflammation in a Rat Hypoxia-Ischemia Model of Perinatal Stroke. Translational Stroke Research, 2020, 11, 1117-1136.	2.3	21
422	Quantitative Assessment of Gait Characteristics in Degenerative Cervical Myelopathy: A Prospective Clinical Study. Journal of Clinical Medicine, 2020, 9, 752.	1.0	21
423	Establishing Diagnostic Criteria for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 3]. Global Spine Journal, 2022, 12, 55S-63S.	1.2	21
424	Improving Assessment of Disease Severity and Strategies for Monitoring Progression in Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 4]. Global Spine Journal, 2022, 12, 64S-77S.	1.2	21
425	Cost-effectiveness of Surgery in the Management of Metastatic Epidural Spinal Cord Compression. Spine, 2014, 39, S99-S105.	1.0	20
426	Notochordal cell-derived conditioned medium protects human nucleus pulposus cells from stress-induced apoptosis. Spine Journal, 2017, 17, 579-588.	0.6	20
427	Efficacy, Safety, and Timing of Anticoagulant Thromboprophylaxis for the Prevention of Venous Thromboembolism in Patients With Acute Spinal Cord Injury: A Systematic Review. Global Spine Journal, 2017, 7, 138S-150S.	1.2	20
428	Degenerative cervical myelopathy. Cmaj, 2017, 189, E116-E116.	0.9	20
429	Congenital Cervical Spine Stenosis in a Multicenter Global Cohort of Patients With Degenerative Cervical Myelopathy: An Ambispective Report Based on a Magnetic Resonance Imaging Diagnostic Criterion. Neurosurgery, 2018, 83, 521-528.	0.6	20
430	An Analysis of the Incidence and Outcomes of Major Versus Minor Neurological Decline After Complex Adult Spinal Deformity Surgery. Spine, 2018, 43, 905-912.	1.0	20
431	Splenic involvement in umbilical cord matrix-derived mesenchymal stromal cell-mediated effects following traumatic spinal cord injury. Journal of Neuroinflammation, 2018, 15, 219.	3.1	20
432	Characteristics of Upper Limb Impairment Related to Degenerative Cervical Myelopathy: Development of a Sensitive Hand Assessment (Graded Redefined Assessment of Strength, Sensibility, and Prehension) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	20

#	Article	IF	Citations
433	Exogenous Neural Precursor Cell Transplantation Results in Structural and Functional Recovery in a Hypoxic-Ischemic Hemiplegic Mouse Model. ENeuro, 2018, 5, ENEURO.0369-18.2018.	0.9	20
434	Survey of Neurosurgical Management of Central Nervous System Hemorrhage in Patients Receiving Anticoagulation Therapy: Current Practice Is Highly Variable and May Be Suboptimal. World Neurosurgery, 2011, 76, 299-303.	0.7	19
435	Future Advances in Spine Surgery: The AOSpine North America Perspective. Neurosurgery, 2017, 80, S1-S8.	0.6	19
436	Traumatic Spinal Cord Injury Care in Canada: A Survey of Canadian Centers. Journal of Neurotrauma, 2017, 34, 2848-2855.	1.7	19
437	The Impact of Riluzole on Neurobehavioral Outcomes in Preclinical Models of Traumatic and Nontraumatic Spinal Cord Injury: Results From a Systematic Review of the Literature. Global Spine Journal, 2020, 10, 216-229.	1.2	19
438	Delayed administration of high dose human immunoglobulin G enhances recovery after traumatic cervical spinal cord injury by modulation of neuroinflammation and protection of the blood spinal cord barrier. Neurobiology of Disease, 2021, 148, 105187.	2.1	19
439	Tracking White and Gray Matter Degeneration along the Spinal Cord Axis in Degenerative Cervical Myelopathy. Journal of Neurotrauma, 2021, 38, 2978-2987.	1.7	19
440	Extracellular Matrix and Oxidative Stress Following Traumatic Spinal Cord Injury: Physiological and Pathophysiological Roles and Opportunities for Therapeutic Intervention. Antioxidants and Redox Signaling, 2022, 37, 184-207.	2.5	19
441	Optimizing the Application of Surgery for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 10]. Global Spine Journal, 2022, 12, 147S-158S.	1.2	19
442	Attitudes toward the Elderly with CNS Trauma: A Cross-Sectional Study of Neuroscientists, Clinicians, and Allied-Health Professionals. Journal of Neurotrauma, 2009, 26, 209-225.	1.7	18
443	Incomplete Spinal Cord Injury Reverses the Level-Dependence of Spinal Cord Injury Immune Deficiency Syndrome. International Journal of Molecular Sciences, 2019, 20, 3762.	1.8	18
444	Acute Adverse Events After Spinal Cord Injury and Their Relationship to Long-term Neurologic and Functional Outcomes: Analysis From the North American Clinical Trials Network for Spinal Cord Injury. Critical Care Medicine, 2019, 47, e854-e862.	0.4	18
445	Surgical Outcomes Following Laminectomy With Fusion Versus Laminectomy Alone in Patients With Degenerative Cervical Myelopathy. Spine, 2020, 45, 1696-1703.	1.0	18
446	Benefits of physical exercise on cognition and glial white matter pathology in a mouse model of vascular cognitive impairment and dementia. Glia, 2020, 68, 1925-1940.	2.5	18
447	â€˜Time is Spineâ€™: new evidence supports decompression within 24â€‰h for acute spinal cord injury. Spinal Cord, 2021, 59, 933-934.	0.9	18
448	Prediction of Worse Functional Status After Surgery for Degenerative Cervical Myelopathy: A Machine Learning Approach. Neurosurgery, 2021, 88, 584-591.	0.6	18
449	AO Spine RECODE-DCM: Why Prioritize Research in Degenerative Cervical Myelopathy?. Global Spine Journal, 2022, 12, 5S-7S.	1.2	18
450	Conventional MRI as a diagnostic and prognostic tool in spinal cord injury: a systemic review of its application to date and an overview on emerging MRI methods. Expert Opinion on Medical Diagnostics, 2011, 5, 121-133.	1.6	17

#	Article	IF	Citations
451	Expression and functional role of BK channels in chronically injured spinal cord white matter. Neurobiology of Disease, 2012, 47, 225-236.	2.1	17
452	Cervical Spondylotic Myelopathy. Spine, 2013, 38, S9-S18.	1.0	17
453	A Novel Approach for Studying the Physiology and Pathophysiology of Myelinated and Non-Myelinated Axons in the CNS White Matter. PLoS ONE, 2016, 11, e0165637.	1.1	17
454	An assessment of the most reliable method to estimate the sagittal alignment of the cervical spine: analysis of a prospective cohort of 138 cases. Journal of Neurosurgery: Spine, 2017, 26, 572-576.	0.9	17
455	Carotid Artery Injury in Anterior Cervical Spine Surgery: Multicenter Cohort Study and Literature Review. Global Spine Journal, 2017, 7, 71S-75S.	1.2	17
456	Return to play in athletes with spinal cord concussion: a systematic literature review. Spine Journal, 2017, 17, 291-302.	0.6	17
457	Controversies in Spinal Trauma and Evolution of Care. Neurosurgery, 2017, 80, S23-S32.	0.6	17
458	Perioperative Anticoagulation Management in Spine Surgery: Initial Findings From the AO Spine Anticoagulation Global Survey. Global Spine Journal, 2020, 10, 512-527.	1.2	17
459	Effects of Adult Neural Precursor-Derived Myelination on Axonal Function in the Perinatal Congenitally Dysmyelinated Brain: Optimizing Time of Intervention, Developing Accurate Prediction Models, and Enhancing Performance. Journal of Neuroscience, 2013, 33, 11899-11915.	1.7	16
460	The era of stereotactic body radiotherapy for spinal metastases and the multidisciplinary management of complex cases. Neuro-Oncology Practice, 2016, 3, 48-58.	1.0	16
461	Airway adverse events following posterior occipito-cervical spinal fusion. Journal of Clinical Neuroscience, 2017, 39, 124-129.	0.8	16
462	Generation of Oligodendrogenic Spinal Neural Progenitor Cells From Human Induced Pluripotent Stem Cells. Current Protocols in Stem Cell Biology, 2017, 42, 2D.20.1-2D.20.14.	3.0	16
463	Systematic Review of the Outcomes of Surgical Treatment of Prostate Metastases to the Spine. Global Spine Journal, 2017, 7, 460-468.	1.2	16
464	Lower Extremity Motor Function Following Complex Adult Spinal Deformity Surgery. Journal of Bone and Joint Surgery - Series A, 2018, 100, 656-665.	1.4	16
465	The impact of spine stability on cervical spinal cord injury with respect to demographics, management, and outcome: a prospective cohort from a national spinal cord injury registry. Spine Journal, 2018, 18, 88-98.	0.6	16
466	Demographics, presentation and symptoms of patients with Klippel-Feil syndrome: analysis of a global patient-reported registry. European Spine Journal, 2019, 28, 2257-2265.	1.0	16
467	The Impact of Older Age on Functional Recovery and Quality of Life Outcomes after Surgical Decompression for Degenerative Cervical Myelopathy: Results from an Ambispective, Propensity-Matched Analysis from the CSM-NA and CSM-I International, Multi-Center Studies. Journal of Clinical Medicine, 2019, 8, 1708.	1.0	16
468	Non-neurologic adverse events after complex adult spinal deformity surgery: results from the prospective, multicenter Scoli-RISK-1 study. European Spine Journal, 2019, 28, 170-179.	1.0	16

#	Article	IF	Citations
469	Cauda Equina Syndrome Core Outcome Set (CESCOS): An international patient and healthcare professional consensus for research studies. PLoS ONE, 2020, 15, e0225907.	1.1	16
470	Health related quality of life outcomes following surgery and/or radiation for patients with potentially unstable spinal metastases. Spine Journal, 2021, 21, 492-499.	0.6	16
471	An ex vivo preparation of mature mice spinal cord to study synaptic transmission on motoneurons. Journal of Neuroscience Methods, 2007, 159, 1-7.	1.3	15
472	Modular double sucrose gap apparatus for improved recording of compound action potentials from rat and mouse spinal cord white matter preparations. Journal of Neuroscience Methods, 2010, 187, 33-40.	1.3	15
473	Risk factors for development of cervical spondylotic myelopathy: results of a systematic review. Evidence-based Spine-care Journal, 2013, 3, 35-42.	0.9	15
474	Neurological Grading in Traumatic Spinal Cord Injury. World Neurosurgery, 2014, 82, 509-518.	0.7	15
475	Introduction: Degenerative cervical myelopathy: diagnostic, assessment, and management strategies, surgical complications, and outcome prediction. Neurosurgical Focus, 2016, 40, E1.	1.0	15
476	Thoracic Duct Injury Following Cervical Spine Surgery: A Multicenter Retrospective Review. Global Spine Journal, 2017, 7, 115S-119S.	1.2	15
477	Hypoglossal Nerve Palsy After Cervical Spine Surgery. Global Spine Journal, 2017, 7, 37S-39S.	1.2	15
478	Geographic variations in clinical presentation and outcomes of decompressive surgery in patients with symptomatic degenerative cervical myelopathy: analysis of a prospective, international multicenter cohort study of 757 patients. Spine Journal, 2018, 18, 593-605.	0.6	15
479	Severe-combined immunodeficient rats can be used to generate a model of perinatal hypoxic-ischemic brain injury to facilitate studies of engrafted human neural stem cells. PLoS ONE, 2018, 13, e0208105.	1.1	15
480	Development and Implementation of Clinical Practice Guidelines: An Update and Synthesis of the Literature With a Focus in Application to Spinal Conditions. Global Spine Journal, 2019, 9, 53S-64S.	1.2	15
481	Frailty is an important predictor of 30-day morbidity in patients treated for lumbar spondylolisthesis using a posterior surgical approach. Spine Journal, 2022, 22, 286-295.	0.6	15
482	In-hospital Course and Complications of Laminectomy Alone Versus Laminectomy Plus Instrumented Posterolateral Fusion for Lumbar Degenerative Spondylolisthesis. Spine, 2021, 46, 617-623.	1.0	15
483	Introduction. Neurosurgical Focus, 2009, 27, E1.	1.0	14
484	Synergetic Use of Neural Precursor Cells and Self-assembling Peptides in Experimental Cervical Spinal Cord Injury. Journal of Visualized Experiments, 2015, , e52105.	0.2	14
485	Incidence, impact, and risk factors of adverse events in thoracic and lumbar spine fractures: an ambispective cohort analysis of 390 patients. Spine Journal, 2015, 15, 629-637.	0.6	14
486	Assessment of Impact of Long-Cassette Standing X-Rays on Surgical Planning for Cervical Pathology. Neurosurgery, 2016, 78, 717-724.	0.6	14

#	Article	IF	Citations
487	Guidelines for the Management of Degenerative Cervical Myelopathy and Acute Spinal Cord Injury: Development Process and Methodology. Global Spine Journal, 2017, 7, 8S-20S.	1.2	14
488	Sex-related discrepancies in the epidemiology, injury characteristics and outcomes after acute spine trauma: A retrospective cohort study. Journal of Spinal Cord Medicine, 2019, 42, 10-20.	0.7	14
489	Evolution and Advancement of Adult Spinal Deformity Research and Clinical Care: An Overview of the Scoli-RISK-1 Study. Global Spine Journal, 2019, 9, 8S-14S.	1.2	14
490	Ambulatory Surgical Centers: Improving Quality of Operative Spine Care?. Global Spine Journal, 2020, 10, 29S-35S.	1.2	14
491	The influence of ApoE4 on the clinical outcomes and pathophysiology of degenerative cervical myelopathy. JCI Insight, 2021, 6, .	2.3	14
492	The Potential for Stem Cells in Cerebral Palsyâ€"Piecing Together the Puzzle. Seminars in Pediatric Neurology, 2013, 20, 146-153.	1.0	13
493	Defining the Role of Sensation, Strength, and Prehension for Upper Limb Function in Cervical Spinal Cord Injury. Neurorehabilitation and Neural Repair, 2014, 28, 66-74.	1.4	13
494	Article Commentary: The Practical Application of Clinical Prediction Rules: A Commentary Using Case Examples in Surgical Patients with Degenerative Cervical Myelopathy. Global Spine Journal, 2015, 5, 457-465.	1.2	13
495	Key Preoperative Clinical Factors Predicting Outcome in Surgically Treated Patients with Metastatic Epidural Spinal Cord Compression: Results from a Survey of 438 AOSpine International Members. World Neurosurgery, 2016, 93, 436-448.e15.	0.7	13
496	Incidence and Outcomes of Acute Implant Extrusion Following Anterior Cervical Spine Surgery. Global Spine Journal, 2017, 7, 40S-45S.	1.2	13
497	Predicting Recruitment Feasibility for Acute Spinal Cord Injury Clinical Trials in Canada Using National Registry Data. Journal of Neurotrauma, 2017, 34, 599-606.	1.7	13
498	Health Economics and the Management of Degenerative Cervical Myelopathy. Neurosurgery Clinics of North America, 2018, 29, 169-176.	0.8	13
499	Patient-Reported Outcomes After Complex Adult Spinal Deformity Surgery: 5-Year Results of the Scoli-Risk-1 Study. Global Spine Journal, 2022, 12, 1736-1744.	1.2	13
500	The Relative Merits of Posterior Surgical Treatments for Multi-Level Degenerative Cervical Myelopathy Remain Uncertain: Findings from a Systematic Review. Journal of Clinical Medicine, 2021, 10, 3653.	1.0	13
501	The Role of Magnetic Resonance Imaging to Inform Clinical Decision-Making in Acute Spinal Cord Injury: A Systematic Review and Meta-Analysis. Journal of Clinical Medicine, 2021, 10, 4948.	1.0	13
502	Degenerative cervical myelopathy: Diagnosis and management in primary care. Canadian Family Physician, 2019, 65, 619-624.	0.1	13
503	Gathering Global Perspectives to Establish the Research Priorities and Minimum Data Sets for Degenerative Cervical Myelopathy: Sampling Strategy of the First Round Consensus Surveys of AO Spine RECODE-DCM. Global Spine Journal, 2022, 12, 8S-18S.	1.2	13
504	Evaluation of the sodium-glutamate blocker riluzole in a preclinical model of cervical spinal cord injury. Evidence-based Spine-care Journal, 2010, 1, 71-72.	0.9	12

#	Article	IF	Citations
505	Contribution of Fast and Slow Conducting Myelinated Axons to Single-Peak Compound Action Potentials in Rat Spinal Cord White Matter Preparations. Journal of Neurophysiology, 2011, 105, 929-941.	0.9	12
506	Do omega-3 polyunsaturated fatty acids ameliorate spinal cord injury?. Experimental Neurology, 2013, 249, 104-110.	2.0	12
507	Diagnosis, Heritability, and Outcome Assessment in Cervical Myelopathy. Spine, 2013, 38, S76-S77.	1.0	12
508	A Multicenter Review of Superior Laryngeal Nerve Injury Following Anterior Cervical Spine Surgery. Global Spine Journal, 2017, 7, 7S-11S.	1.2	12
509	Does Transection of the C2 Nerve Roots During C1 Lateral Mass Screw Placement for Atlantoaxial Fixation Result in a Superior Outcome?. Spine, 2017, 42, E1067-E1076.	1.0	12
510	Population description and clinical response assessment for spinal metastases: part 2 of the SPIne response assessment in Neuro-Oncology (SPINO) group report. Neuro-Oncology, 2018, 20, 1215-1224.	0.6	12
511	Postoperative Resolution of Magnetic Resonance Imaging Signal Intensity Changes and the Associated Impact on Outcomes in Degenerative Cervical Myelopathy. Spine, 2018, 43, 824-831.	1.0	12
512	A Systematic Review of Definitions for Neurological Complications and Disease Progression in Patients Treated Surgically for Degenerative Cervical Myelopathy. Spine, 2019, 44, 1318-1331.	1.0	12
513	Potential diagnostic and prognostic value of serum and cerebrospinal fluid biomarkers in traumatic spinal cord injury: A systematic review. Journal of Neurochemistry, 2019, 149, 317-330.	2.1	12
514	The Influence of Cervical Spondylolisthesis on Clinical Presentation and Surgical Outcome in Patients With DCM: Analysis of a Multicenter Global Cohort of 458 Patients. Global Spine Journal, 2020, 10, 448-455.	1.2	12
515	Trajectory-Based Classification of Recovery in Sensorimotor Complete Traumatic Cervical Spinal Cord Injury. Neurology, 2021, 96, e2736-e2748.	1.5	12
516	Transcriptomic Hallmarks of Ischemia-Reperfusion Injury. Cells, 2021, 10, 1838.	1.8	12
517	Toward late career transitioning: a proposal for academic surgeons. Canadian Journal of Surgery, 2017, 60, 355-358.	0.5	12
518	Increasing awareness of degenerative cervical myelopathy: a preventative cause of non-traumatic spinal cord injury. Spinal Cord, 2021, 59, 1216-1218.	0.9	12
519	Brachial Plexopathy After Cervical Spine Surgery. Global Spine Journal, 2017, 7, 17S-20S.	1.2	11
520	Nogo receptor 1 regulates Caspr distribution at axo-glial units in the central nervous system. Scientific Reports, 2017, 7, 8958.	1.6	11
521	The case for revisiting central cord syndrome. Spinal Cord, 2020, 58, 125-127.	0.9	11
522	Age as a determinant of inflammatory response and survival of glia and axons after human traumatic spinal cord injury. Experimental Neurology, 2020, 332, 113401.	2.0	11

#	Article	IF	Citations
523	Degenerative Cervical Myelopathy: Changing Frontiers. World Neurosurgery, 2020, 135, 377-378.	0.7	11
524	The Relationship Between Gastrointestinal Comorbidities, Clinical Presentation and Surgical Outcome in Patients with DCM: Analysis of a Global Cohort. Journal of Clinical Medicine, 2020, 9, 624.	1.0	11
525	Systemic considerations for the surgical treatment of spinal metastatic disease: a scoping literature review. Lancet Oncology, The, 2022, 23, e321-e333.	5.1	11
526	Models of experimental spinal cord injury: Translational relevance and impact. Drug Discovery Today: Disease Models, 2008, 5, 5-11.	1.2	10
527	The Timing of Decompressive Spinal Surgery in Cauda Equina Syndrome. World Neurosurgery, 2015, 83, 19-22.	0.7	10
528	Prevalence and Outcomes in Patients Undergoing Reintubation After Anterior Cervical Spine Surgery: Results From the AOSpine North America Multicenter Study on 8887 Patients. Global Spine Journal, 2017, 7, 96S-102S.	1.2	10
529	Duration of symptoms in the quantification of upper limb disability and impairment for individuals with mild degenerative cervical myelopathy (DCM). PLoS ONE, 2019, 14, e0222134.	1.1	10
530	The graded redefined assessment of strength sensibility and prehension version 2 (GV2): Psychometric properties. Journal of Spinal Cord Medicine, 2019, 42, 149-157.	0.7	10
531	Is there any gender or age-related discrepancy in the waiting time for each step in the surgical management of acute traumatic cervical spinal cord injury?. Journal of Spinal Cord Medicine, 2019, 42, 233-241.	0.7	10
532	The Effect of Older Age on the Perioperative Outcomes of Spinal Fusion Surgery in Patients With Lumbar Degenerative Disc Disease With Spondylolisthesis: A Propensity Score-Matched Analysis. Neurosurgery, 2020, 87, 672-678.	0.6	10
533	Experimental Treatments for Spinal Cord Injury: What you Should Know. Topics in Spinal Cord Injury Rehabilitation, 2021, 27, 50-74.	0.8	10
534	Recent advances and new discoveries in the pipeline of the treatment of primary spinal tumors and spinal metastases: a scoping review of registered clinical studies from 2000 to 2020. Neuro-Oncology, 2022, 24, 1-13.	0.6	10
535	Effects of experimental cervical spinal cord injury on peripheral adaptive immunity. PLoS ONE, 2020, 15, e0241285.	1.1	10
536	Developing Peri-Operative Rehabilitation in Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 6]: An Unexplored Opportunity?. Global Spine Journal, 2022, 12, 97S-108S.	1.2	10
537	Craniocervical Instability in Ehlers-Danlos Syndromeâ€"A Systematic Review of Diagnostic and Surgical Treatment Criteria. Global Spine Journal, 2022, 12, 1862-1871.	1.2	10
538	A quantitative ELISA for bioactive anti-Nogo-A, a promising regenerative molecule for spinal cord injury repair. Methods, 2009, 47, 104-108.	1.9	9
539	Changes in gap junction expression and function following ischemic injury of spinal cord white matter. Journal of Neurophysiology, 2014, 112, 2067-2075.	0.9	9
540	Optimizing Clinical Decision Making in Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 2841-2842.	1.7	9

#	Article	IF	Citations
541	Diffuse idiopathic skeletal hyperostosis with cervical myelopathy. Cmaj, 2017, 189, E410-E410.	0.9	9
542	Patient satisfaction with treatment outcomes after surgery and/or radiotherapy for spinal metastases. Cancer, 2019, 125, 4269-4277.	2.0	9
543	Endogenous Interleukin-10 Deficiency Exacerbates Vascular Pathology in Traumatic Cervical Spinal Cord Injury. Journal of Neurotrauma, 2019, 36, 2298-2307.	1.7	9
544	Quality and Safety Improvement in Spine Surgery. Global Spine Journal, 2020, 10, 17S-28S.	1.2	9
545	The development of lived experience-centered word clouds to support research uncertainty gathering in degenerative cervical myelopathy: results from an engagement process and protocol for their evaluation, via a nested randomized controlled trial. Trials, 2021, 22, 415.	0.7	9
546	Correlation Between the Spinal Instability Neoplastic Score (SINS) and Patient Reported Outcomes. Global Spine Journal, 2023, 13, 1358-1364.	1.2	9
547	Spinal Cord Signal Change on Magnetic Resonance Imaging May Predict Worse Clinical In- and Outpatient Outcomes in Patients with Spinal Cord Injury: A Prospective Multicenter Study in 459 Patients. Journal of Clinical Medicine, 2021, 10, 4778.	1.0	9
548	Degenerative Cervical Myelopathy: A Practical Approach to Diagnosis. Global Spine Journal, 2022, 12, 1881-1893.	1.2	9
549	Intraoperative monitoring during spinal surgery for neuromuscular scoliosis. Nature Clinical Practice Neurology, 2007, 3, 318-319.	2.7	8
550	The role of neural precursor cells and self assembling peptides in nerve regeneration. Journal of Otolaryngology - Head and Neck Surgery, 2013, 42, 60.	0.9	8
551	163â€ƒMicrostructural MRI Quantifies Tract-Specific Injury and Correlates With Global Disability and Focal Neurological Deficits in Degenerative Cervical Myelopathy. Neurosurgery, 2016, 63, 165.	0.6	8
552	A Multicenter Study of the Presentation, Treatment, and Outcomes of Cervical Dural Tears. Global Spine Journal, 2017, 7, 58S-63S.	1.2	8
553	What Has Been Learned from Magnetic Resonance Imaging Examination of the Injured Human Spinal Cord: A Canadian Perspective. Journal of Neurotrauma, 2018, 35, 1942-1957.	1.7	8
554	National Spinal Cord Injury Registry of Iran (NSCIR-IR) â€“ a critical appraisal of its strengths and weaknesses. Chinese Journal of Traumatology - English Edition, 2019, 22, 300-303.	0.7	8
555	Generation of Definitive Neural Progenitor Cells from Human Pluripotent Stem Cells for Transplantation into Spinal Cord Injury. Methods in Molecular Biology, 2019, 1919, 25-41.	0.4	8
556	Predictors of Return to Normal Neurological Function After Surgery for Moderate and Severe Degenerative Cervical Myelopathy: An Analysis of A Global AOSpine Cohort of Patients. Neurosurgery, 2019, 85, E917-E923.	0.6	8
557	Optical Topographic Imaging for Spinal Intraoperative Three-Dimensional Navigation in Mini-Open Approaches: A Prospective Cohort Study of Initial Preclinical and Clinical Feasibility. World Neurosurgery, 2019, 125, e863-e872.	0.7	8
558	The Effect of Tobacco Smoking on Adverse Events Following Adult Complex Deformity Surgery. Spine, 2020, 45, 32-37.	1.0	8

#	Article	IF	Citations
559	Harnessing the Secretome of Mesenchymal Stromal Cells for Traumatic Spinal Cord Injury: Multicell Comparison and Assessment of In Vivo Efficacy. Stem Cells and Development, 2020, 29, 1429-1443.	1.1	8
560	Multidisciplinary approach to degenerative cervical myelopathy. Expert Review of Neurotherapeutics, 2020, 20, 1037-1046.	1.4	8
561	Navigating the Postgraduate Research Fellowship: A Roadmap for Surgical Residents. Journal of Surgical Research, 2020, 256, 282-289.	0.8	8
562	Earlier Surgery Reduces Complications in Acute Traumatic Thoracolumbar Spinal Cord Injury: Analysis of a Multi-Center Cohort of 4108 Patients. Journal of Neurotrauma, 2021, , .	1.7	8
563	Indicators of Quality of Care in Individuals With Traumatic Spinal Cord Injury: A Scoping Review. Global Spine Journal, 2022, 12, 166-181.	1.2	8
564	Chronic hypertrophic nonunion of the Type II odontoid fracture causing cervical myelopathy: Case report and review of literature. , 2016, 7, 53.		8
565	Degenerative Cervical Myelopathy: Towards a Personalized Approach. Canadian Journal of Neurological Sciences, 2022, 49, 729-740.	0.3	8
566	Steroids in the Management of Preoperative Neurological Deficits in Metastatic Spine Disease: Results From the EPOSO Study. Neurospine, 2022, 19, 43-50.	1.1	8
567	Feasibility and Data Quality of the National Spinal Cord Injury Registry of Iran (NSCIR-IR): A Pilot Study. Archives of Iranian Medicine, 2017, 20, 494-502.	0.2	8
568	Developing Novel Therapies for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 7]: Opportunities From Restorative Neurobiology. Global Spine Journal, 2022, 12, 109S-121S.	1.2	8
569	James Lind Alliance Priority Setting Partnership for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM]: An Overview of the Methodology Used to Process and Short-List Research Uncertainties. Global Spine Journal, 2022, 12, 19S-27S.	1.2	8
570	Management of Acute Spinal Cord Injury: Where Have We Been? Where Are We Now? Where Are We Going?. Journal of Neurotrauma, 2022, 39, 1591-1602.	1.7	8
571	Development of a core measurement set for research in degenerative cervical myelopathy: a study protocol (AO Spine RECODE-DCM CMS). BMJ Open, 2022, 12, e060436.	0.8	8
572	The Challenges of Managing Spine and Spinal Cord Injuries. Spine, 2010, 35, S161-S165.	1.0	7
573	Intervertebral Disc Degeneration: Genes Hold the Key. World Neurosurgery, 2013, 80, e131-e133.	0.7	7
574	The challenges of translating stem cells for spinal cord injury and related disorders: what are the barriers and opportunities?. Expert Review of Neurotherapeutics, 2013, 13, 143-150.	1.4	7
575	Development and Implementation of Guidelines in Neurosurgery. Neurosurgery Clinics of North America, 2015, 26, 271-282.	0.8	7
576	Perioperative Vision Loss in Cervical Spinal Surgery. Global Spine Journal, 2017, 7, 91S-95S.	1.2	7

#	Article	IF	Citations
577	The Need for Clinical Practice Guidelines in Assessing and Managing Perioperative Neurologic Deficit: Results from a Survey of the AOSpine International Community. World Neurosurgery, 2017, 105, 720-727.	0.7	7
578	Utilization of Spinal Intra-operative Three-dimensional Navigation by Canadian Surgeons and Trainees: A Population-based Time Trend Study. Canadian Journal of Neurological Sciences, 2019, 46, 87-95.	0.3	7
579	Surgical or Radiation Therapy for the Treatment of Cervical Spine Metastases: Results From the Epidemiology, Process, and Outcomes of Spine Oncology (EPOSO) Cohort. Global Spine Journal, 2020, 10, 21-29.	1.2	7
580	Regenerative replacement of neural cells for treatment of spinal cord injury. Expert Opinion on Biological Therapy, 2021, 21, 1-17.	1.4	7
581	Variability in time to surgery for patients with acute thoracolumbar spinal cord injuries. Scientific Reports, 2021, 11, 13312.	1.6	7
582	A Systematic Review of Definitions for Dysphagia and Dysphonia in Patients Treated Surgically for Degenerative Cervical Myelopathy. Global Spine Journal, 2022, 12, 1535-1545.	1.2	7
583	Spinal Cord Segmentation by One Dimensional Normalized Template Matching: A Novel, Quantitative Technique to Analyze Advanced Magnetic Resonance Imaging Data. PLoS ONE, 2015, 10, e0139323.	1.1	7
584	A Novel Scientific Model for Rare and Often Neglected Neoplastic Conditions. Evidence-based Spine-care Journal, 2013, 04, 160-162.	0.9	6
585	Ankylosing Spinal Disordersâ€"Falls, Flawed Flexibility, and Fixations. World Neurosurgery, 2015, 83, 724-726.	0.7	6
586	Adult-Onset Syringomyelia: From Theory to Practice and Beyond. World Neurosurgery, 2015, 83, 462-463.	0.7	6
587	The selection of core International Classification of Functioning, Disability, and Health (ICF) categories for patient-reported outcome measurement in spine trauma patientsâ€"results of an international consensus process. Spine Journal, 2016, 16, 962-970.	0.6	6
588	Clinical prediction rules: the importance of the validation phase. Spine Journal, 2017, 17, 1393-1396.	0.6	6
589	The discrepancy between functional outcome and self-reported health status after surgery for degenerative cervical myelopathy. Spine Journal, 2019, 19, 1809-1815.	0.6	6
590	Two-Year Clinical and Radiological Outcomes in Patients With Diabetes Undergoing Single-Level Anterior Cervical Discectomy and Fusion. Global Spine Journal, 2021, 11, 458-464.	1.2	6
591	Reality of Accomplishing Surgery within 24 Hours for Complete Cervical Spinal Cord Injury: Clinical Practices and Safety. Journal of Neurotrauma, 2021, 38, 3011-3019.	1.7	6
592	Prevention of Surgical Site Infections in Spine Surgery: An International Survey of Clinical Practices Among Expert Spine Surgeons. Global Spine Journal, 2023, 13, 2007-2015.	1.2	6
593	Clinical outcomes and revision rates following four-level anterior cervical discectomy and fusion. Scientific Reports, 2022, 12, 5339.	1.6	6
594	A Novel Method to Classify Cervical Incomplete Spinal Cord Injury based on Potential for Recovery: A Group-Based Trajectory Analysis. Journal of Neurotrauma, 0, , .	1.7	6

#	Article	IF	Citations
595	High-resolution imaging of the central nervous system. Progress in Brain Research, 2015, 218, 55-78.	0.9	5
596	Survival and clinical outcomes in patients with metastatic epidural spinal cord compression after spinal surgery: a prospective, multicenter, observational cohort study. Chinese Journal of Cancer, 2016, 35, 27.	4.9	5
597	Rare Complications of Cervical Spine Surgery: Pseudomeningocoele. Global Spine Journal, 2017, 7, 109S-114S.	1.2	5
598	Using Evidence To Inform Practice and Policy To Enhance the Quality of Care for Persons with Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 2934-2940.	1.7	5
599	The Relationship Between MRI Signal Intensity Changes, Clinical Presentation and Surgical Outcome in Degenerative Cervical Myelopathy: Analysis of a Global Cohort. Spine Journal, 2017, 17, S133-S134.	0.6	5
600	The changes in systemic monocytes in humans undergoing surgical decompression for degenerative cervical myelopathy may influence clinical neurological recovery. Journal of Neuroimmunology, 2019, 336, 577024.	1.1	5
601	AOSpine Global Survey: International Trends in Utilization of Magnetic Resonance Imaging/Computed Tomography for Spinal Trauma and Spinal Cord Injury across AO Regions. Journal of Neurotrauma, 2019, 36, 3323-3331.	1.7	5
602	A Personalized Medicine Approach for the Management of Spinal Metastases with Cord Compression: Development of a Novel Clinical Prediction Model for Postoperative Survival and Quality of Life. World Neurosurgery, 2020, 140, 654-663.e13.	0.7	5
603	Prediction of independence in bowel function after spinal cord injury: validation of a logistic regression model. Spinal Cord, 2021, 59, 207-214.	0.9	5
604	The Beneficial Effect of Early Surgical Decompression for Acute Spinal Cord Injury: Time Is Spine. Neurospine, 2021, 18, 20-22.	1.1	5
605	The Protein Kinase Inhibitor Midostaurin Improves Functional Neurological Recovery and Attenuates Inflammatory Changes Following Traumatic Cervical Spinal Cord Injury. Biomolecules, 2021, 11, 972.	1.8	5
606	Risk of vertebral compression fracture specific to osteolytic renal cell carcinoma spinal metastases after stereotactic body radiotherapy: A multi-institutional study. Journal of Radiosurgery and SBRT, 2015, 3, 297-305.	0.2	5
607	Administration of C5a Receptor Antagonist Improves the Efficacy of Human Induced Pluripotent Stem Cellâ€“Derived Neural Stem/Progenitor Cell Transplantation in the Acute Phase of Spinal Cord Injury. Journal of Neurotrauma, 2022, 39, 667-682.	1.7	5
608	Current status and future prospects for the neurosurgical management of acute spinal cord injuries. Spinal Cord, 1987, 25, 250-253.	0.9	4
609	Deep Cerebral Venous System Thrombosis. Neurosurgery, 1993, 33, 911-913.	0.6	4
610	Adult-Derived Pluripotent Stem Cells. World Neurosurgery, 2014, 82, 500-508.	0.7	4
611	Individual Characteristics and Management Decisions Affect Outcome of Anticoagulated Patients with Intracranial Hemorrhage. World Neurosurgery, 2014, 81, 742-751.	0.7	4
612	Timing of Surgery in the Setting of Acute Spinal Cord Injury. Current Surgery Reports, 2015, 3, 1.	0.4	4

#	Article	IF	Citations
613	Use of the Adult Spinal Deformity (ASD) Frailty Index (ASD-FI) to Predict Major Complications in the Scoli-Risk 1 Multicenter, International Patient Database. Spine Journal, 2016, 16, S131-S132.	0.6	4
614	Intraoperative Death During Cervical Spinal Surgery: A Retrospective Multicenter Study. Global Spine Journal, 2017, 7, 127S-131S.	1.2	4
615	Methodology of the Access to Care and Timing Simulation Model for Traumatic Spinal Cord Injury Care. Journal of Neurotrauma, 2017, 34, 2843-2847.	1.7	4
616	Unilateral versus bilateral lower extremity motor deficit following complex adult spinal deformity surgery: is there a difference in recovery up to 2-year follow-up?. Spine Journal, 2019, 19, 395-402.	0.6	4
617	A partial least squares analysis of functional status, disability, and quality of life after surgical decompression for degenerative cervical myelopathy. Scientific Reports, 2020, 10, 16132.	1.6	4
618	Efficacy of Ultra-Early (< 12â€‰h), Early (12-24â€‰h), and Late (>24-138.5â€‰h) Surgery with Magnetic Resonance Imaging-Confirmed Decompression in American Spinal Injury Association Impairment Scale Grades A, B, and C Cervical Spinal Cord Injury. Journal of Neurotrauma, 2020, 37, 1759-1760.	1.7	4
619	Longitudinal impacts of acute spinal cord injury on clinical pharmacokinetics of riluzole, a potential neuroprotective agent. Journal of Clinical Pharmacology, 2021, 61, 1232-1242.	1.0	4
620	IgM Immunoglobulin Influences Recovery after Cervical Spinal Cord Injury by Modulating the IgG Autoantibody Response. ENeuro, 2021, 8, ENEURO.0491-19.2021.	0.9	4
621	An Age-old Debate: Anterior Versus Posterior Surgery for Ossification of the Posterior Longitudinal Ligament. Neurospine, 2019, 16, 544-547.	1.1	4
622	The MAPK Signaling Pathway Presents Novel Molecular Targets for Therapeutic Intervention after Traumatic Spinal Cord Injury: A Comparative Cross-Species Transcriptional Analysis. International Journal of Molecular Sciences, 2021, 22, 12934.	1.8	4
623	Impact of Surgical Timing on Motor Level Lowering in Motor Complete Traumatic Spinal Cord Injury Patients. Journal of Neurotrauma, 2022, 39, 651-657.	1.7	4
624	The AOSpine North America Cervical Spondylotic Myelopathy Study. Neurosurgery, 2010, 67, 543.	0.6	3
625	Validity of the Modified Japanese Orthopedic Association Score in Patients with Cervical Spondylotic Myelopathy: The AOSpine North America Multicenter Prospective Study. Spine Journal, 2011, 11, S73-S74.	0.6	3
626	Consensus Statement. Spine, 2014, 39, S3-S6.	1.0	3
627	Cervical spondylotic myelopathy: an update. European Spine Journal, 2015, 24, 131-131.	1.0	3
628	Association between Paraspinal Muscle Morphology, Clinical Symptoms and Functional Status in Patients with Degenerative Cervical Myelopathy. Spine Journal, 2016, 16, S200.	0.6	3
629	Frequency and Acceptability of Adverse Events After Anterior Cervical Discectomy and Fusion. Clinical Spine Surgery, 2018, 31, E270-E277.	0.7	3
630	Current Knowledge in Degenerative Cervical Myelopathy. Neurosurgery Clinics of North America, 2018, 29, xiii-xiv.	0.8	3

#	Article	IF	Citations
631	Economic Impact of Aging on the Initial Spine Care of Patients With Acute Spine Trauma: From Bedside to Teller. Neurosurgery, 2019, 84, 1251-1260.	0.6	3
632	Quantification of computational geometric congruence in surface-based registration for spinal intra-operative three-dimensional navigation. PLoS ONE, 2019, 14, e0207137.	1.1	3
633	Validation of the AO Spine Sacral Classification System: Reliability Among Surgeons Worldwide. Journal of Orthopaedic Trauma, 2021, 35, e496-e501.	0.7	3
634	The Scoli-RISK 1 results of lower extremity motor function 5 years after complex adult spinal deformity surgery. European Spine Journal, 2021, 30, 3243-3254.	1.0	3
635	Acidic Fibroblast Growth Factor in Spinal Cord Injury: A Potential Therapy Which Merits Further Investigation. Neurospine, 2019, 16, 739-741.	1.1	3
636	Clinical presentation, management and outcomes of sacral metastases: a multicenter, retrospective cohort study. Annals of Translational Medicine, 2019, 7, 214-214.	0.7	3
637	Safety and Preliminary Efficacy of Allogeneic Neural Stem Cell Transplantation in Chronic Spinal Cord Injury: A Translational Phase I/IIa Trial. SSRN Electronic Journal, 0, , .	0.4	3
638	Long-term functional outcome of surgical treatment for degenerative cervical myelopathy. Journal of Neurosurgery: Spine, 2022, 36, 830-840.	0.9	3
639	Neural Progenitor Cells Expressing Herpes Simplex Virus-Thymidine Kinase for Ablation Have Differential Chemosensitivity to Brivudine and Ganciclovir. Frontiers in Cellular Neuroscience, 2021, 15, 638021.	1.8	3
640	Assessment of a new ultrafiltration blood processing system. Canadian Journal of Anaesthesia, 1997, 44, 1204-1207.	0.7	2
641	The diagnosis of spinal tumors: established and emerging methods. Expert Opinion on Medical Diagnostics, 2012, 6, 95-108.	1.6	2
642	Preventing Venous Thromboembolism After Thoracic or Thoracolumbar Spinal Fusion. World Neurosurgery, 2012, 78, 434-436.	0.7	2
643	International Variations in the Clinical Presentation and Management of Cervical Spondylotic Myelopathy: One-Year Outcomes of the AOSpine Multicenter Prospective CSM-I Study. Spine Journal, 2013, 13, S20-S21.	0.6	2
644	Guidelines for the Management of Patients with Spinal Cord Injury: The Optimal Timing of Decompression. Spine Journal, 2016, 16, S213-S214.	0.6	2
645	Guidelines for the Management of Patients with Spinal Cord Injury: Efficacy, Safety and Timing of Anticoagulation Prophylaxis. Spine Journal, 2016, 16, S214.	0.6	2
646	Misplaced Cervical Screws Requiring Reoperation. Global Spine Journal, 2017, 7, 46S-52S.	1.2	2
647	Making Neurons from Human Stem Cells. Frontiers for Young Minds, 2018, 6, .	0.8	2
648	Factors Affecting the Decision to Initiate Anticoagulation After Spine Surgery: Findings From the AOSpine Anticoagulation Global Initiative. Global Spine Journal, 2022, 12, 548-558.	1.2	2

#	Article	IF	Citations
649	The Use of Magnetic Resonance Imaging by Spine Surgeons in Management of Spinal Trauma Across AO Regionsâ€"Results of AO Spine Survey. World Neurosurgery, 2020, 137, e389-e394.	0.7	2
650	Commentary on â€œHemodynamic Management of Acute Spinal Cord Injuryâ€• Neurospine, 2021, 18, 15-16.	1.1	2
651	A Radiographic Analysis of Lumbar Fusion Status and Instrumentation Failure After Complex Adult Spinal Deformity Surgery With Spinopelvic Fixation. Clinical Spine Surgery, 2020, 33, E545-E552.	0.7	2
652	Impact of New Motor Deficit on HRQOL After Adult Spinal Deformity Surgery. Spine, 2021, 46, E450-E457.	1.0	2
653	In vivo imaging in experimental spinal cord injury â€" Techniques and trends. Brain and Spine, 2022, 2, 100859.	0.0	2
654	Translational research in spinal cord injury â€" What is in the future?. , 2022, , 587-602.		2
655	The Impact of Spinal Cord Neuromodulation on Restoration of Walking Ability After Spinal Cord Injury. Neurospine, 2022, 19, 244-245.	1.1	2
656	Hepatocyte Growth Factor-Preconditioned Neural Progenitor Cells Attenuate Astrocyte Reactivity and Promote Neurite Outgrowth. Frontiers in Cellular Neuroscience, 2021, 15, 741681.	1.8	2
657	Cellâ€"Cell Contact Mediates Gene Expression and Fate Choice of Human Neural Stem/Progenitor Cells. Cells, 2022, 11, 1741.	1.8	2
658	Adopting Clinical Practice Guidelines for Pharmacologic Management of Acute Spinal Cord Injury from a Developed World Context to a Developing Global Region. Archives of Iranian Medicine, 2022, 25, 353-359.	0.2	2
659	Delayed administration of elezanumab, a human anti-RGMa neutralizing monoclonal antibody, promotes recovery following cervical spinal cord injury. Neurobiology of Disease, 2022, 172, 105812.	2.1	2
660	The dysfunctional bladder following spinal cord injury: From concept to clinic. Current Bladder Dysfunction Reports, 2009, 4, 192-201.	0.2	1
661	Is Routine Postoperative Cervical Bracing After Instrumentation Necessary?. World Neurosurgery, 2013, 79, 273-274.	0.7	1
662	Introduction to Focus Issue. Spine, 2014, 39, S1-S2.	1.0	1
663	Methylprednisolone for Acute Traumatic Spinal Cord Injury. Contemporary Spine Surgery, 2014, 15, 1-8.	0.2	1
664	Riluzole Attenuates the Decompression-Induced Ischemia Reperfusion Injury and Enhances the Beneficial Impact of Decompression in Cervical Spondylotic Myelopathy. Spine Journal, 2015, 15, S158-S159.	0.6	1
665	Craniocervical deformity and myelopathy after chronic odontoid fracture. Cmaj, 2015, 187, E420-E420.	0.9	1
666	Editorial: Karolinska Institutet 200-Year Anniversary Symposium on Injuries to the Spinal Cord and Peripheral Nervous Systemâ€"An Update on Recent Advances in Regenerative Neuroscience. Frontiers in Neurology, 2017, 8, 510.	1.1	1

#	Article	IF	Citations
667	Commentary: Reliability of the New AOSpine Classification System for Upper Cervical Traumatic Injuries. Neurosurgery, 2020, 86, E271-E272.	0.6	1
668	The management and outcomes of coronavirus disease 2019 infection in a series of neurosurgical patients. Journal of Innovative Optical Health Sciences, 2021, 16, 78.	0.5	1
669	Reasons for delayed spinal cord decompression in individuals with traumatic spinal cord injuries in Iran: A qualitative study from the perspective of neurosurgeons. Chinese Journal of Traumatology - English Edition, 2021, 24, 356-359.	0.7	1
670	A Balanced Perspective on Surgery of the Craniovertebral Junction. Neurospine, 2019, 16, 216-218.	1.1	1
671	History of the Department of Surgery at the University of Toronto: celebrating a centennial of progress and innovation. Canadian Journal of Surgery, 2022, 65, E56-E65.	0.5	1
672	Monitoring during spinal surgery for fractures and extramedullary tumors. Handbook of Clinical Neurophysiology, 2008, 8, 618-631.	0.0	0
673	Adrenal Insufficiency as a Cause of Refractory Hypotension in the Acute Period After Spinal Cord Injury: A Perspective Statement. World Neurosurgery, 2012, 77, 461-462.	0.7	0
674	Reply to the letter to the editor regarding â€œA clinical prediction model to assess surgical outcome in patients with cervical spondylotic myelopathy: internal and external validation using the prospective multicenter AOSpine North American and International datasets of 743 patients.â€•Spine J 2015;15:388â€“397. Spine Journal, 2015, 15, 2447-2448.	0.6	0
675	Use of OP-1 (rhBMP-7) in posterolateral lumbar arthrodesis. Journal of Spine Surgery, 2016, 2, 338-344.	0.6	0
676	QOLP-30. SURVIVAL, LOCAL CONTROL, AND HEALTH RELATED QUALITY OF LIFE IN OLIGOMETASTATIC AND POLYMETASTATIC SPINAL TUMORS: A MULTICENTER, INTERNATIONAL STUDY. Neuro-Oncology, 2018, 20, vi221-vi221.	0.6	0
677	Transplantation of Human-Induced Pluripotent Stem Cell-Derived Neural Precursor Cells for Treatment of Spinal Cord Injury. , 2018, , 299-325.		0
678	Intradural Metastasis from Cutaneous Squamous Cell Carcinoma Causing Cauda Equina Syndrome. Canadian Journal of Neurological Sciences, 2019, 46, 615-620.	0.3	0
679	Commentary: Recovery Kinetics: Comparison of Patients Undergoing Primary or Revision Procedures for Adult Cervical Deformity Using a Novel Area Under the Curve Methodology. Neurosurgery, 2019, 85, E955-E956.	0.6	0
680	Introduction to trauma in the central nervous system. , 2020, , 55-78.		0
681	Preface. Neurosurgery Clinics of North America, 2021, 32, ix-x.	0.8	0
682	TO THE EDITOR:. Spine, 2021, 46, E1067-E1068.	1.0	0
683	Assessment of Impact of Long-Cassette Standing X-rays on Surgical Planning for Lumbar Pathology: An International Survey of Spine Surgeons. Global Spine Journal, 2015, 5, s-0035-1554393-s-0035-1554393.	1.2	0
684	Posterior Decompression for Cervical Spondylotic Myelopathy: Laminectomy, Laminectomy and Fusion orÂLaminoplasty. , 2019, , 145-174.		0

#	Article	IF	Citations
685	Surgical Outcomes Following Laminectomy With Fusion Versus Laminectomy Alone in Patients With Degenerative Cervical Myelopathy. Spine, 2021, 46, E413-E414.	1.0	0
686	Spinal Cord Signal Change on Magnetic Resonance Imaging May Predict Worse Clinical In- and Outpatient Outcomes in Patients with Spinal Cord Injury: A Prospective Multicenter Study in 459 Patients. Journal of Clinical Medicine, 2021, 10, .	1.0	0
687	Research applications of induced pluripotent stem cells for treatment and modeling of spinal cord injury. , 2022, , 245-268.		0
688	Neuroprotective strategies. , 2022, , 523-535.		0
689	Advanced imaging for spinal cord injury. , 2022, , 105-124.		0
690	Spine Trauma. , 2022, , 271-287.		0
691	SCI management. , 2022, , 319-334.		0
692	Emerging concepts in the clinical management of SCI for the future. , 2022, , 575-585.		0
693	Commentary: Acute Implantation of a Bioresorbable Polymer Scaffold in Patients With Complete Thoracic Spinal Cord Injury: 24-Month Follow-up From the INSPIRE Study. Neurosurgery, 2022, Publish Ahead of Print, .	0.6	0
694	Title is missing!. , 2020, 15, e0225907.		0
695	Title is missing!. , 2020, 15, e0225907.		0
696	Title is missing!. , 2020, 15, e0225907.		0
697	Title is missing!. , 2020, 15, e0225907.		0
698	Neurovascular pathology following traumatic spinal cord injury. , 2022, , 119-132.		0