

# Michael G Fehlings

## List of Publications by Citations

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669  
papers

32,526  
citations

89  
h-index

154  
g-index

714  
ext. papers

39,266  
ext. citations

4.2  
avg, IF

7.59  
L-index

#	Paper	IF	Citations
669	Review of the secondary injury theory of acute spinal cord trauma with emphasis on vascular mechanisms. <i>Journal of Neurosurgery</i> , <b>1991</b> , 75, 15-26	3.2	1116
668	Epidemiology, demographics, and pathophysiology of acute spinal cord injury. <i>Spine</i> , <b>2001</b> , 26, S2-12	3.3	902
667	Early versus delayed decompression for traumatic cervical spinal cord injury: results of the Surgical Timing in Acute Spinal Cord Injury Study (STASCIS). <i>PLoS ONE</i> , <b>2012</b> , 7, e32037	3.7	672
666	A novel classification system for spinal instability in neoplastic disease: an evidence-based approach and expert consensus from the Spine Oncology Study Group. <i>Spine</i> , <b>2010</b> , 35, E1221-9	3.3	647
665	Self-assembling nanofibers inhibit glial scar formation and promote axon elongation after spinal cord injury. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 3814-23	6.6	577
664	Traumatic spinal cord injury. <i>Nature Reviews Disease Primers</i> , <b>2017</b> , 3, 17018	51.1	515
663	Delayed transplantation of adult neural precursor cells promotes remyelination and functional neurological recovery after spinal cord injury. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 3377-89	6.6	490
662	Current status of acute spinal cord injury pathophysiology and emerging therapies: promise on the horizon. <i>Neurosurgical Focus</i> , <b>2008</b> , 25, E2	4.2	483
661	Global prevalence and incidence of traumatic spinal cord injury. <i>Clinical Epidemiology</i> , <b>2014</b> , 6, 309-31	5.9	469
660	The role of excitotoxicity in secondary mechanisms of spinal cord injury: a review with an emphasis on the implications for white matter degeneration. <i>Journal of Neurotrauma</i> , <b>2004</b> , 21, 754-74	5.4	436
659	A systematic review of cellular transplantation therapies for spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 1611-82	5.4	429
658	AOSpine thoracolumbar spine injury classification system: fracture description, neurological status, and key modifiers. <i>Spine</i> , <b>2013</b> , 38, 2028-37	3.3	422
657	Degenerative Cervical Myelopathy: Epidemiology, Genetics, and Pathogenesis. <i>Spine</i> , <b>2015</b> , 40, E675-93	3.3	398
656	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. <i>Experimental Neurology</i> , <b>1995</b> , 132, 220-8	5.7	317
655	Traumatic Spinal Cord Injury-Repair and Regeneration. <i>Neurosurgery</i> , <b>2017</b> , 80, S9-S22	3.2	313
654	Neuroprotection by minocycline facilitates significant recovery from spinal cord injury in mice. <i>Brain</i> , <b>2003</b> , 126, 1628-37	11.2	310
653	Efficacy and safety of surgical decompression in patients with cervical spondylotic myelopathy: results of the AOSpine North America prospective multi-center study. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2013</b> , 95, 1651-8	5.6	302

652	Synergistic effects of transplanted adult neural stem/progenitor cells, chondroitinase, and growth factors promote functional repair and plasticity of the chronically injured spinal cord. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 1657-76	6.6	285
651	Acute cervical traumatic spinal cord injury: MR imaging findings correlated with neurologic outcome--prospective study with 100 consecutive patients. <i>Radiology</i> , <b>2007</b> , 243, 820-7	20.5	283
650	Diagnosis and management of metastatic spine disease. A review. <i>Journal of Neurosurgery: Spine</i> , <b>2010</b> , 13, 94-108	2.8	268
649	Vertebral compression fracture after spine stereotactic body radiotherapy: a multi-institutional analysis with a focus on radiation dose and the spinal instability neoplastic score. <i>Journal of Clinical Oncology</i> , <b>2013</b> , 31, 3426-31	2.2	235
648	The functional landscape of mouse gene expression. <i>Journal of Biology</i> , <b>2004</b> , 3, 21		232
647	Pathophysiology and natural history of cervical spondylotic myelopathy. <i>Spine</i> , <b>2013</b> , 38, S21-36	3.3	221
646	Timing of decompressive surgery of spinal cord after traumatic spinal cord injury: an evidence-based examination of pre-clinical and clinical studies. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 1371-99 <sup>4</sup>	5.4	221
645	Cervical spondylotic myelopathy: the clinical phenomenon and the current pathobiology of an increasingly prevalent and devastating disorder. <i>Neuroscientist</i> , <b>2013</b> , 19, 409-21	7.6	218
644	Incidence and prevalence of spinal cord injury in Canada: a national perspective. <i>Neuroepidemiology</i> , <b>2012</b> , 38, 219-26	5.4	216
643	Pharmacological approaches to repair the injured spinal cord. <i>Journal of Neurotrauma</i> , <b>2006</b> , 23, 318-34	5.4	213
642	A phase I/IIa clinical trial of a recombinant Rho protein antagonist in acute spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 787-96	5.4	199
641	The evidence for intraoperative neurophysiological monitoring in spine surgery: does it make a difference?. <i>Spine</i> , <b>2010</b> , 35, S37-46	3.3	199
640	Role of NMDA and non-NMDA ionotropic glutamate receptors in traumatic spinal cord axonal injury. <i>Journal of Neuroscience</i> , <b>1997</b> , 17, 1055-63	6.6	198
639	A systematic review of non-invasive pharmacologic neuroprotective treatments for acute spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 1545-88	5.4	197
638	C1-C2 posterior cervical fusion: long-term evaluation of results and efficacy. <i>Neurosurgery</i> , <b>1995</b> , 37, 688-92; discussion 692-3	3.2	192
637	AOSpine subaxial cervical spine injury classification system. <i>European Spine Journal</i> , <b>2016</b> , 25, 2173-84	2.7	189
636	A review of the pathophysiology of cervical spondylotic myelopathy with insights for potential novel mechanisms drawn from traumatic spinal cord injury. <i>Spine</i> , <b>1998</b> , 23, 2730-7	3.3	185
635	Pathophysiology of cervical myelopathy. <i>Spine Journal</i> , <b>2006</b> , 6, 190S-197S	4	184

634	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. <i>Journal of Neurotrauma</i> , <b>2002</b> , 19, 175-90	5.4	174
633	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. <i>Global Spine Journal</i> , <b>2017</b> , 7, 70S-83S	2.7	158
632	The Aging of the Global Population: The Changing Epidemiology of Disease and Spinal Disorders. <i>Neurosurgery</i> , <b>2015</b> , 77 Suppl 4, S1-5	3.2	157
631	The timing of surgical intervention in the treatment of spinal cord injury: a systematic review of recent clinical evidence. <i>Spine</i> , <b>2006</b> , 31, S28-35; discussion S36	3.3	157
630	A global perspective on the outcomes of surgical decompression in patients with cervical spondylotic myelopathy: results from the prospective multicenter AOSpine international study on 479 patients. <i>Spine</i> , <b>2015</b> , 40, 1322-8	3.3	155
629	Anterior versus posterior surgical approaches to treat cervical spondylotic myelopathy: outcomes of the prospective multicenter AOSpine North America CSM study in 264 patients. <i>Spine</i> , <b>2013</b> , 38, 2247-52	3.3	155
628	Degenerative Cervical Myelopathy: A Spectrum of Related Disorders Affecting the Aging Spine. <i>Neurosurgery</i> , <b>2015</b> , 77 Suppl 4, S51-67	3.2	151
627	Intraoperative adverse events and related postoperative complications in spine surgery: implications for enhancing patient safety founded on evidence-based protocols. <i>Spine</i> , <b>2006</b> , 31, 1503-10	3.3	148
626	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. <i>Spine</i> , <b>2004</b> , 29, 677-84	3.3	138
625	Occipital condyle fractures. <i>Neurosurgery</i> , <b>1997</b> , 41, 368-76; discussion 376-7	3.2	137
624	Current practice in the timing of surgical intervention in spinal cord injury. <i>Spine</i> , <b>2010</b> , 35, S166-73	3.3	136
623	A prospective, multicenter, phase I matched-comparison group trial of safety, pharmacokinetics, and preliminary efficacy of riluzole in patients with traumatic spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2014</b> , 31, 239-55	5.4	134
622	Clinical predictors of neurological outcome, functional status, and survival after traumatic spinal cord injury: a systematic review. <i>Journal of Neurosurgery: Spine</i> , <b>2012</b> , 17, 11-26	2.8	134
621	Characterization of vascular disruption and blood-spinal cord barrier permeability following traumatic spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2014</b> , 31, 541-52	5.4	132
620	Mechanisms of axonal dysfunction after spinal cord injury: with an emphasis on the role of voltage-gated potassium channels. <i>Brain Research Reviews</i> , <b>2001</b> , 38, 165-91		132
619	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. <i>NeuroImage: Clinical</i> , <b>2016</b> , 10, 192-238	5.3	131
618	An in vivo characterization of trophic factor production following neural precursor cell or bone marrow stromal cell transplantation for spinal cord injury. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 2222-38	4.4	126
617	Update on the treatment of spinal cord injury. <i>Progress in Brain Research</i> , <b>2007</b> , 161, 217-33	2.9	124

616	The optimal radiologic method for assessing spinal canal compromise and cord compression in patients with cervical spinal cord injury. Part II: Results of a multicenter study. <i>Spine</i> , <b>1999</b> , 24, 605-13	3.3	124
615	Emerging therapies for acute traumatic spinal cord injury. <i>Cmaj</i> , <b>2013</b> , 185, 485-92	3.5	123
614	Association of myelopathy scores with cervical sagittal balance and normalized spinal cord volume: analysis of 56 preoperative cases from the AOSpine North America Myelopathy study. <i>Spine</i> , <b>2013</b> , 38, S161-70	3.3	122
613	Response assessment after stereotactic body radiotherapy for spinal metastasis: a report from the SPIne response assessment in Neuro-Oncology (SPINO) group. <i>Lancet Oncology, The</i> , <b>2015</b> , 16, e595-603	21.7	121
612	Survival and Clinical Outcomes in Surgically Treated Patients With Metastatic Epidural Spinal Cord Compression: Results of the Prospective Multicenter AOSpine Study. <i>Journal of Clinical Oncology</i> , <b>2016</b> , 34, 268-76	2.2	121
611	A clinical prediction model for long-term functional outcome after traumatic spinal cord injury based on acute clinical and imaging factors. <i>Journal of Neurotrauma</i> , <b>2012</b> , 29, 2263-71	5.4	121
610	Concise Review: Bridging the Gap: Novel Neuroregenerative and Neuroprotective Strategies in Spinal Cord Injury. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 914-24	6.9	120
609	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. <i>Journal of Neurotrauma</i> , <b>2015</b> , 32, 645-54	5.4	118
608	Time is spine: a review of translational advances in spinal cord injury. <i>Journal of Neurosurgery: Spine</i> , <b>2018</b> , 30, 1-18	2.8	117
607	Transplantation of Induced Pluripotent Stem Cell-Derived Neural Stem Cells Mediate Functional Recovery Following Thoracic Spinal Cord Injury Through Remyelination of Axons. <i>Stem Cells Translational Medicine</i> , <b>2015</b> , 4, 743-54	6.9	116
606	Pathobiology of cervical spondylotic myelopathy. <i>European Spine Journal</i> , <b>2015</b> , 24 Suppl 2, 132-8	2.7	115
605	A clinical prediction model to determine outcomes in patients with cervical spondylotic myelopathy undergoing surgical treatment: data from the prospective, multi-center AOSpine North America study. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2013</b> , 95, 1659-66	5.6	115
604	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. <i>Journal of Neurotrauma</i> , <b>2002</b> , 19, 191-203	5.4	114
603	The modified Japanese Orthopaedic Association scale: establishing criteria for mild, moderate and severe impairment in patients with degenerative cervical myelopathy. <i>European Spine Journal</i> , <b>2017</b> , 26, 78-84	2.7	111
602	The role and timing of early decompression for cervical spinal cord injury: update with a review of recent clinical evidence. <i>Injury</i> , <b>2005</b> , 36 Suppl 2, B13-26	2.5	109
601	Assessment and management of acute spinal cord injury: From point of injury to rehabilitation. <i>Journal of Spinal Cord Medicine</i> , <b>2017</b> , 40, 665-675	1.9	108
600	Predictors of outcome in patients with degenerative cervical spondylotic myelopathy undergoing surgical treatment: results of a systematic review. <i>European Spine Journal</i> , <b>2015</b> , 24 Suppl 2, 236-51	2.7	107
599	A Clinical Practice Guideline for the Management of Acute Spinal Cord Injury: Introduction, Rationale, and Scope. <i>Global Spine Journal</i> , <b>2017</b> , 7, 84S-94S	2.7	107

598	The Graded Redefined Assessment of Strength Sensibility and Prehension: reliability and validity. <i>Journal of Neurotrauma</i> , <b>2012</b> , 29, 905-14	5.4	107
597	Cell-based transplantation strategies to promote plasticity following spinal cord injury. <i>Experimental Neurology</i> , <b>2012</b> , 235, 78-90	5.7	106
596	The urgency of surgical decompression in acute central cord injuries with spondylosis and without instability. <i>Spine</i> , <b>2010</b> , 35, S180-6	3.3	103
595	Predictors of hospital mortality and mechanical ventilation in patients with cervical spinal cord injury. <i>Canadian Journal of Anaesthesia</i> , <b>1998</b> , 45, 144-9	3	101
594	Hypothermia for spinal cord injury. <i>Spine Journal</i> , <b>2008</b> , 8, 859-74	4	98
593	Evaluation of the neuroprotective effects of sodium channel blockers after spinal cord injury: improved behavioral and neuroanatomical recovery with riluzole. <i>Journal of Neurosurgery: Spine</i> , <b>2001</b> , 94, 245-56	2.8	97
592	Translating mechanisms of neuroprotection, regeneration, and repair to treatment of spinal cord injury. <i>Progress in Brain Research</i> , <b>2015</b> , 218, 15-54	2.9	96
591	The impact of age on mortality, impairment, and disability among adults with acute traumatic spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2009</b> , 26, 1707-17	5.4	96
590	Myelination of congenitally dysmyelinated spinal cord axons by adult neural precursor cells results in formation of nodes of Ranvier and improved axonal conduction. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 3416-28	6.6	95
589	Chondroitinase and growth factors enhance activation and oligodendrocyte differentiation of endogenous neural precursor cells after spinal cord injury. <i>PLoS ONE</i> , <b>2012</b> , 7, e37589	3.7	95
588	A systematic review of directly applied biologic therapies for acute spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 1589-610	5.4	94
587	Functional and clinical outcomes following surgical treatment in patients with cervical spondylotic myelopathy: a prospective study of 81 cases. <i>Journal of Neurosurgery: Spine</i> , <b>2011</b> , 14, 348-55	2.8	94
586	Intraoperative multimodality monitoring in adult spinal deformity: analysis of a prospective series of one hundred two cases with independent evaluation. <i>Spine</i> , <b>2009</b> , 34, 1504-12	3.3	93
585	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. <i>Journal of Neurotrauma</i> , <b>2015</b> , 32, 1674-83	5.4	91
584	Human neuropathological and animal model evidence supporting a role for Fas-mediated apoptosis and inflammation in cervical spondylotic myelopathy. <i>Brain</i> , <b>2011</b> , 134, 1277-92	11.2	91
583	A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury and Central Cord Syndrome: Recommendations on the Timing (≤24 Hours Versus >24 Hours) of Decompressive Surgery. <i>Global Spine Journal</i> , <b>2017</b> , 7, 195S-202S	2.7	90
582	Os odontoideum: etiology and surgical management. <i>Neurosurgery</i> , <b>2010</b> , 66, 22-31	3.2	90
581	Pre-hospital care management of a potential spinal cord injured patient: a systematic review of the literature and evidence-based guidelines. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 1341-61	5.4	89

580	Secondary injury mechanisms of spinal cord trauma: a novel therapeutic approach for the management of secondary pathophysiology with the sodium channel blocker riluzole. <i>Progress in Brain Research</i> , <b>2002</b> , 137, 177-90	2.9	89
579	Magnetic resonance imaging assessment of degenerative cervical myelopathy: a review of structural changes and measurement techniques. <i>Neurosurgical Focus</i> , <b>2016</b> , 40, E5	4.2	88
578	Limiting multiple sclerosis related axonopathy by blocking Nogo receptor and CRMP-2 phosphorylation. <i>Brain</i> , <b>2012</b> , 135, 1794-818	11.2	88
577	Incidence and severity of acute complications after spinal cord injury. <i>Journal of Neurosurgery: Spine</i> , <b>2012</b> , 17, 119-28	2.8	88
576	Rodent Hypoxia-Ischemia Models for Cerebral Palsy Research: A Systematic Review. <i>Frontiers in Neurology</i> , <b>2016</b> , 7, 57	4.1	88
575	Systematic review of magnetic resonance imaging characteristics that affect treatment decision making and predict clinical outcome in patients with cervical spondylotic myelopathy. <i>Spine</i> , <b>2013</b> , 38, S89-110	3.3	86
574	Complications from the use of intrawound vancomycin in lumbar spinal surgery: a systematic review. <i>Neurosurgical Focus</i> , <b>2015</b> , 39, E11	4.2	85
573	Current status of clinical trials for acute spinal cord injury. <i>Injury</i> , <b>2005</b> , 36 Suppl 2, B113-22	2.5	85
572	Medical co-morbidities, secondary complications, and mortality in elderly with acute spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2003</b> , 20, 391-9	5.4	84
571	Cellular treatments for spinal cord injury: the time is right for clinical trials. <i>Neurotherapeutics</i> , <b>2011</b> , 8, 704-20	6.4	83
570	Recent advances in managing a spinal cord injury secondary to trauma. <i>F1000Research</i> , <b>2016</b> , 5,	3.6	83
569	Degenerative cervical myelopathy - update and future directions. <i>Nature Reviews Neurology</i> , <b>2020</b> , 16, 108-124	15	82
568	Global burden of traumatic brain and spinal cord injury. <i>Lancet Neurology</i> , <b>2019</b> , 18, 24-25	24.1	82
567	Prediction of Quality of Life and Survival After Surgery for Symptomatic Spinal Metastases: A Multicenter Cohort Study to Determine Suitability for Surgical Treatment. <i>Neurosurgery</i> , <b>2015</b> , 77, 698-708; discussion 708	3.2	81
566	A Clinical Prediction Rule for Functional Outcomes in Patients Undergoing Surgery for Degenerative Cervical Myelopathy: Analysis of an International Prospective Multicenter Data Set of 757 Subjects. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2015</b> , 97, 2038-46	5.6	81
565	Development of the Graded Redefined Assessment of Strength, Sensibility and Prehension (GRASSP): reviewing measurement specific to the upper limb in tetraplegia. <i>Journal of Neurosurgery: Spine</i> , <b>2012</b> , 17, 65-76	2.8	81
564	Timing of Decompression in Patients With Acute Spinal Cord Injury: A Systematic Review. <i>Global Spine Journal</i> , <b>2017</b> , 7, 95S-115S	2.7	80
563	A self-assembling peptide reduces glial scarring, attenuates post-traumatic inflammation and promotes neurological recovery following spinal cord injury. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 8075-88	10.8	78

562	Current status of experimental cell replacement approaches to spinal cord injury. <i>Neurosurgical Focus</i> , <b>2008</b> , 24, E19	4.2	78
561	QOLP-30. SURVIVAL, LOCAL CONTROL, AND HEALTH RELATED QUALITY OF LIFE IN OLIGOMETASTATIC AND POLYMETASTATIC SPINAL TUMORS: A MULTICENTER, INTERNATIONAL STUDY. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi221-vi221	1	78
560	A novel experimental model of cervical spondylotic myelopathy (CSM) to facilitate translational research. <i>Neurobiology of Disease</i> , <b>2013</b> , 54, 43-58	7.5	77
559	A grading system to evaluate objectively the strength of pre-clinical data of acute neuroprotective therapies for clinical translation in spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 1525-43	5.4	77
558	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. <i>NeuroImage</i> , <b>2019</b> , 184, 901-915	7.9	77
557	Ancillary outcome measures for assessment of individuals with cervical spondylotic myelopathy. <i>Spine</i> , <b>2013</b> , 38, S111-22	3.3	76
556	Emerging Safety of Intramedullary Transplantation of Human Neural Stem Cells in Chronic Cervical and Thoracic Spinal Cord Injury. <i>Neurosurgery</i> , <b>2018</b> , 82, 562-575	3.2	76
555	The Minimum Clinically Important Difference of the Modified Japanese Orthopaedic Association Scale in Patients with Degenerative Cervical Myelopathy. <i>Spine</i> , <b>2015</b> , 40, 1653-9	3.3	75
554	Surgeon perceptions and reported complications in spine surgery. <i>Spine</i> , <b>2010</b> , 35, S9-S21	3.3	75
553	Motor and sensory assessment of patients in clinical trials for pharmacological therapy of acute spinal cord injury: psychometric properties of the ASIA Standards. <i>Journal of Neurotrauma</i> , <b>2008</b> , 25, 1273-301	5.4	75
552	Inhibition of Fas-mediated apoptosis through administration of soluble Fas receptor improves functional outcome and reduces posttraumatic axonal degeneration after acute spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2006</b> , 23, 604-16	5.4	74
551	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. <i>European Journal of Neuroscience</i> , <b>2004</b> , 19, 577-89	3.5	74
550	Reliability analysis of the AOSpine thoracolumbar spine injury classification system by a worldwide group of naïve spinal surgeons. <i>European Spine Journal</i> , <b>2016</b> , 25, 1082-6	2.7	73
549	Abnormal axonal physiology is associated with altered expression and distribution of Kv1.1 and Kv1.2 K <sup>+</sup> channels after chronic spinal cord injury. <i>European Journal of Neuroscience</i> , <b>2000</b> , 12, 491-506	3.5	73
548	A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury: Recommendations on the Use of Methylprednisolone Sodium Succinate. <i>Global Spine Journal</i> , <b>2017</b> , 7, 203S-211S	2.7	72
547	Rho-ROCK inhibition in the treatment of spinal cord injury. <i>World Neurosurgery</i> , <b>2014</b> , 82, e535-9	2.1	72
546	Comparison of anterior surgical options for the treatment of multilevel cervical spondylotic myelopathy: a systematic review. <i>Spine</i> , <b>2013</b> , 38, S195-209	3.3	70
545	Methylprednisolone for the treatment of acute spinal cord injury: counterpoint. <i>Neurosurgery</i> , <b>2014</b> , 61 Suppl 1, 36-42	3.2	69



544	Neurologic Outcomes of Complex Adult Spinal Deformity Surgery: Results of the Prospective, Multicenter Scolio-RISK-1 Study. <i>Spine</i> , <b>2016</b> , 41, 204-12	3.3	69
543	Role of magnetic resonance imaging in predicting surgical outcome in patients with cervical spondylotic myelopathy. <i>Spine</i> , <b>2015</b> , 40, 171-8	3.3	68
542	Synergistic effects of self-assembling peptide and neural stem/progenitor cells to promote tissue repair and forelimb functional recovery in cervical spinal cord injury. <i>Biomaterials</i> , <b>2014</b> , 35, 2617-29	15.6	67
541	Delayed post-injury administration of riluzole is neuroprotective in a preclinical rodent model of cervical spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2013</b> , 30, 441-52	5.4	67
540	An engineered transcription factor which activates VEGF-A enhances recovery after spinal cord injury. <i>Neurobiology of Disease</i> , <b>2010</b> , 37, 384-93	7.5	67
539	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. <i>Spine</i> , <b>2013</b> , 38, S37-54	3.3	66
538	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. <i>Journal of Trauma</i> , <b>2009</b> , 67, 936-43		66
537	An evidence-based review of decompressive surgery in acute spinal cord injury: rationale, indications, and timing based on experimental and clinical studies. <i>Journal of Neurosurgery: Spine</i> , <b>1999</b> , 91, 1-11	2.8	66
536	The effects of intrathecal injection of a hyaluronan-based hydrogel on inflammation, scarring and neurobehavioural outcomes in a rat model of severe spinal cord injury associated with arachnoiditis. <i>Biomaterials</i> , <b>2012</b> , 33, 4555-64	15.6	65
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