Brian K Kwon

List of Publications by Year in descending order

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Version: 2024-02-01

222 papers 11,424 citations

59 h-index 96 g-index

230 all docs

230 docs citations

230 times ranked 8518 citing authors

| # | Article | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Pathophysiology and pharmacologic treatment of acute spinal cord injury*1. Spine Journal, 2004, 4, 451-464. | 0.6 | 561 |
| 2 | A Systematic Review of Cellular Transplantation Therapies for Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1611-1682. | 1.7 | 490 |
| 3 | 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 |
| 4 | Cerebrospinal Fluid Inflammatory Cytokines and Biomarkers of Injury Severity in Acute Human Spinal Cord Injury. Journal of Neurotrauma, 2010, 27, 669-682. | 1.7 | 252 |
| 5 | A Phase I/Ila Clinical Trial of a Recombinant Rho Protein Antagonist in Acute Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 787-796. | 1.7 | 236 |
| 6 | Survival and regeneration of rubrospinal neurons 1 year after spinal cord injury. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3246-3251. | 3.3 | 228 |
| 7 | Proposal of a modified, treatment-oriented classification of odontoid fractures. Spine Journal, 2005, 5, 123-129. | 0.6 | 228 |
| 8 | A Systematic Review of Non-Invasive Pharmacologic Neuroprotective Treatments for Acute Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1545-1588. | 1.7 | 218 |
| 9 | 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 |
| 10 | Protection and repair of the injured spinal cord: a review of completed, ongoing, and planned clinical trials for acute spinal cord injury. Neurosurgical Focus, 2008, 25, E14. | 1.0 | 199 |
| 11 | Animal Models Used in Spinal Cord Regeneration Research. Spine, 2002, 27, 1504-1510. | 1.0 | 177 |
| 12 | Causal assessment of occupational sitting and low back pain: results of a systematic review. Spine Journal, 2010, 10, 252-261. | 0.6 | 170 |
| 13 | 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 |
| 14 | Drug delivery, cell-based therapies, and tissue engineering approaches for spinal cord injury. Journal of Controlled Release, 2015, 219, 141-154. | 4.8 | 164 |
| 15 | Morbidity and mortality of major adult spinal surgery. A prospective cohort analysis of 942 consecutive patients. Spine Journal, 2012, 12, 22-34. | 0.6 | 159 |
| 16 | Intrathecal pressure monitoring and cerebrospinal fluid drainage in acute spinal cord injury: a prospective randomized trial. Journal of Neurosurgery: Spine, 2009, 10, 181-193. | 0.9 | 156 |
| 17 | Causal assessment of occupational lifting and low back pain: results of a systematic review. Spine Journal, 2010, 10, 554-566. | 0.6 | 141 |
| 18 | Promoting axonal regeneration in the central nervous system by enhancing the cell body response to axotomy. Journal of Neuroscience Research, 2002, 68, 1-6. | 1.3 | 138 |

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| 19 | Causal assessment of occupational bending or twisting and low back pain: results of a systematic review. Spine Journal, 2010, 10, 76-88. | 0.6 | 134 |
| 20 | 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 |
| 21 | A Novel Porcine Model of Traumatic Thoracic Spinal Cord Injury. Journal of Neurotrauma, 2013, 30, 142-159. | 1.7 | 123 |
| 22 | Timing of Decompression in Patients With Acute Spinal Cord Injury: A Systematic Review. Global Spine Journal, 2017, 7, 95S-115S. | 1.2 | 122 |
| 23 | Cerebrospinal Fluid Biomarkers To Stratify Injury Severity and Predict Outcome in Human Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 567-580. | 1.7 | 122 |
| 24 | Causal assessment of awkward occupational postures and low back pain: results of a systematic review. Spine Journal, 2010, 10, 89-99. | 0.6 | 121 |
| 25 | Spinal cord perfusion pressure predicts neurologic recovery in acute spinal cord injury. Neurology, 2017, 89, 1660-1667. | 1.5 | 121 |
| 26 | The Epidemiology of Traumatic Spinal Cord Injury in British Columbia, Canada. Spine, 2012, 37, 321-329. | 1.0 | 120 |
| 27 | Hypothermia for spinal cord injury. Spine Journal, 2008, 8, 859-874. | 0.6 | 115 |
| 28 | Factors Predicting Motor Recovery and Functional Outcome After Traumatic Central Cord Syndrome. Spine, 2005, 30, 2303-2311. | 1.0 | 114 |
| 29 | Prevalence and Effect of Problematic Spasticity After Traumatic Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2017, 98, 1132-1138. | 0.5 | 114 |
| 30 | Translational Research in Spinal Cord Injury: A Survey of Opinion from the SCI Community. Journal of Neurotrauma, 2010, 27, 21-33. | 1.7 | 113 |
| 31 | A prospective randomized controlled trial of anterior compared with posterior stabilization for unilateral facet injuries of the cervical spine. Journal of Neurosurgery: Spine, 2007, 7, 1-12. | 0.9 | 107 |
| 32 | A Systematic Review of Directly Applied Biologic Therapies for Acute Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1589-1610. | 1.7 | 104 |
| 33 | Economic evaluation comparing intraoperative cone beam CT-based navigation and conventional fluoroscopy for the placement of spinal pedicle screws: a patient-level data cost-effectiveness analysis. Spine Journal, 2016, 16, 23-31. | 0.6 | 104 |
| 34 | Spinal Cord Regeneration. Spine, 2001, 26, S13-S22. | 1.0 | 97 |
| 35 | Orthosis versus no orthosis for the treatment of thoracolumbar burst fractures without neurologic injury: a multicenter prospective randomized equivalence trial. Spine Journal, 2014, 14, 2557-2564. | 0.6 | 97 |
| 36 | Effectiveness of Titanium Mesh Cylindrical Cages in Anterior Column Reconstruction After Thoracic and Lumbar Vertebral Body Resection. Spine, 2003, 28, 902-908. | 1.0 | 91 |

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| 37 | Ketogenic Diet Improves Forelimb Motor Function after Spinal Cord Injury in Rodents. PLoS ONE, 2013, 8, e78765. | 1.1 | 91 |
| 38 | Causal assessment of occupational standing or walking and low back pain: results of a systematic review. Spine Journal, 2010, 10, 262-272. | 0.6 | 90 |
| 39 | Causal assessment of workplace manual handling or assisting patients andÂlow back pain: results of a systematic review. Spine Journal, 2010, 10, 639-651. | 0.6 | 90 |
| 40 | Adverse events in emergency oncological spine surgery: a prospective analysis. Journal of Neurosurgery: Spine, 2014, 21, 698-703. | 0.9 | 86 |
| 41 | Predicting Injury Severity and Neurological Recovery after Acute Cervical Spinal Cord Injury: A Comparison of Cerebrospinal Fluid and Magnetic Resonance Imaging Biomarkers. Journal of Neurotrauma, 2018, 35, 435-445. | 1.7 | 84 |
| 42 | 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 |
| 43 | RE-CODE DCM (<i>RE</i> search Objectives and <i>C</i> ommon <i>D</i> ata <i>E</i> lements for) Tj ETQq1 1 0.7 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. | 784314 rg 1.2 | BT /Overlock 83 |
| 44 | Emerging Repair, Regeneration, and Translational Research Advances for Spinal Cord Injury. Spine, 2010, 35, S263-S270. | 1.0 | 82 |
| 45 | Risk factors for cage migration and cage retropulsion following transforaminal lumbar interbody fusion. Spine Journal, 2019, 19, 437-447. | 0.6 | 77 |
| 46 | BIOMECHANICAL EVALUATION OF PROXIMAL HUMERAL FRACTURE FIXATION SUPPLEMENTED WITH CALCIUM PHOSPHATE CEMENT. Journal of Bone and Joint Surgery - Series A, 2002, 84, 951-961. | 1.4 | 76 |
| 47 | Large animal and primate models of spinal cord injury for the testing of novel therapies. Experimental Neurology, 2015, 269, 154-168. | 2.0 | 75 |
| 48 | Clinical Outcomes of 90 Isolated Unilateral Facet Fractures, Subluxations, and Dislocations Treated Surgically and Nonoperatively. Spine, 2007, 32, 3007-3013. | 1.0 | 74 |
| 49 | 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 |
| 50 | Brain-Derived Neurotrophic Factor Gene Transfer With Adeno-Associated Viral and Lentiviral Vectors Prevents Rubrospinal Neuronal Atrophy and Stimulates Regeneration-Associated Gene Expression After Acute Cervical Spinal Cord Injury. Spine, 2007, 32, 1164-1173. | 1.0 | 73 |
| 51 | Motor Recovery, Functional Status, and Health-Related Quality of Life in Patients With Complete Spinal Cord Injuries. Spine, 2005, 30, 2200-2207. | 1.0 | 69 |
| 52 | Minimizing Errors in Acute Traumatic Spinal Cord Injury Trials by Acknowledging the Heterogeneity of Spinal Cord Anatomy and Injury Severity: An Observational Canadian Cohort Analysis. Journal of Neurotrauma, 2014, 31, 1540-1547. | 1.7 | 69 |
| 53 | Pedicle Screw Motion in the Osteoporotic Spine After Augmentation With Laminar Hooks, Sublaminar Wires, or Calcium Phosphate Cement: A Comparative Analysis. Spine, 2004, 29, 1723-1730. | 1.0 | 68 |
| 54 | Strategies to Promote Neural Repair and Regeneration After Spinal Cord Injury. Spine, 2005, 30, S3-S13. | 1.0 | 68 |

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| 55 | Vascular Disruption and the Role of Angiogenic Proteins After Spinal Cord Injury. Translational Stroke Research, 2011, 2, 474-491. | 2.3 | 68 |
| 56 | Pseudarthrosis in adult and pediatric spinal deformity surgery: a systematic review of the literature and meta-analysis of incidence, characteristics, and risk factors. Neurosurgical Review, 2019, 42, 319-336. | 1.2 | 68 |
| 57 | Biomarkers for Severity of Spinal Cord Injury in the Cerebrospinal Fluid of Rats. PLoS ONE, 2011, 6, e19247. | 1.1 | 66 |
| 58 | Comparison of thoracolumbosacral orthosis and no orthosis for the treatment of thoracolumbar burst fractures: interim analysis of a multicenter randomized clinical equivalence trial. Journal of Neurosurgery: Spine, 2009, 11, 295-303. | 0.9 | 65 |
| 59 | Neurochemical biomarkers in spinal cord injury. Spinal Cord, 2019, 57, 819-831. | 0.9 | 65 |
| 60 | Magnesium Chloride in a Polyethylene Glycol Formulation as a Neuroprotective Therapy for Acute Spinal Cord Injury: Preclinical Refinement and Optimization. Journal of Neurotrauma, 2009, 26, 1379-1393. | 1.7 | 64 |
| 61 | Causal assessment of occupational carrying and low back pain: results of a systematic review. Spine Journal, 2010, 10, 628-638. | 0.6 | 63 |
| 62 | Postoperative Infection Treatment Score for the Spine (PITSS): construction and validation of a predictive model to define need for single versus multiple irrigation and debridement for spinal surgical site infection. Spine Journal, 2012, 12, 218-230. | 0.6 | 59 |
| 63 | Survey of Cervical Spine Research Society Members on the Use of High-Dose Steroids for Acute Spinal Cord Injuries. Spine, 2014, 39, 971-977. | 1.0 | 59 |
| 64 | Long-term health-related quality of life outcomes following Jefferson-type burst fractures of the atlas. Journal of Neurosurgery: Spine, 2005, 2, 411-417. | 0.9 | 56 |
| 65 | Progressive Junctional Kyphosis at the Caudal End of Lumbar Instrumented Fusion: Etiology, Predictors, and Treatment. Spine, 2006, 31, 1943-1951. | 1.0 | 56 |
| 66 | Inflammatory and structural biomarkers in acute traumatic spinal cord injury. Clinical Chemistry and Laboratory Medicine, 2011, 49, 425-433. | 1.4 | 56 |
| 67 | Intra-operative cone-beam CT (O-arm) and stereotactic navigation in acute spinal trauma surgery. Journal of Clinical Neuroscience, 2012, 19, 1137-1143. | 0.8 | 55 |
| 68 | Similarities and Differences in the Treatment of Spine Trauma Between Surgical Specialties and Location of Practice. Spine, 2004, 29, 685-696. | 1.0 | 54 |
| 69 | Demonstrating efficacy in preclinical studies of cellular therapies for spinal cord injury — How much is enough?. Experimental Neurology, 2013, 248, 30-44. | 2.0 | 52 |
| 70 | Serum MicroRNAs Reflect Injury Severity in a Large Animal Model of Thoracic Spinal Cord Injury. Scientific Reports, 2017, 7, 1376. | 1.6 | 52 |
| 71 | Effect of older age on treatment decisions and outcomes among patients with traumatic spinal cord injury. Cmaj, 2015, 187, 873-880. | 0.9 | 51 |
| 72 | Changes in Pressure, Hemodynamics, and Metabolism within the Spinal Cord during the First 7 Days after Injury Using a Porcine Model. Journal of Neurotrauma, 2017, 34, 3336-3350. | 1.7 | 51 |

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| 73 | Causal assessment of occupational pushing or pulling and low back pain: results of a systematic review. Spine Journal, 2010, 10, 544-553. | 0.6 | 50 |
| 74 | Early clinical results with cortically based pedicle screw trajectory for fusion of the degenerative lumbar spine. Journal of Clinical Neuroscience, 2015, 22, 972-975. | 0.8 | 50 |
| 75 | Antioxidant Therapy in Oxidative Stress-Induced Neurodegenerative Diseases: Role of Nanoparticle-Based Drug Delivery Systems in Clinical Translation. Antioxidants, 2022, 11, 408. | 2.2 | 49 |
| 76 | Differential Histopathological and Behavioral Outcomes Eight Weeks after Rat Spinal Cord Injury by Contusion, Dislocation, and Distraction Mechanisms. Journal of Neurotrauma, 2016, 33, 1667-1684. | 1.7 | 48 |
| 77 | Spinal Column and Spinal Cord Injuries in Mountain Bikers. American Journal of Sports Medicine, 2010, 38, 1647-1652. | 1.9 | 47 |
| 78 | MicroRNA Biomarkers in Cerebrospinal Fluid and Serum Reflect Injury Severity in Human Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2019, 36, 2358-2371. | 1.7 | 46 |
| 79 | Molecular Targets for Therapeutic Intervention after Spinal Cord Injury. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2002, 2, 244-258. | 3.4 | 45 |
| 80 | A Direct Comparison between Norepinephrine and Phenylephrine for Augmenting Spinal Cord Perfusion in a Porcine Model of Spinal Cord Injury. Journal of Neurotrauma, 2018, 35, 1345-1357. | 1.7 | 44 |
| 81 | Prophylactic postoperative measures to minimize surgical site infections in spine surgery: systematic review and evidence summary. Spine Journal, 2020, 20, 435-447. | 0.6 | 43 |
| 82 | 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 |
| 83 | The Economic Burden of Urinary Tract Infection and Pressure Ulceration in Acute Traumatic Spinal Cord Injury Admissions: Evidence for Comparative Economics and Decision Analytics from a Matched Case-Control Study. Journal of Neurotrauma, 2017, 34, 2892-2900. | 1.7 | 40 |
| 84 | A Review of Clinical Trials in Spinal Cord Injury Including Biomarkers. Journal of Neurotrauma, 2018, 35, 1906-1917. | 1.7 | 40 |
| 85 | Characterization of a Cervical Spinal Cord Hemicontusion Injury in Mice Using the Infinite Horizon Impactor. Journal of Neurotrauma, 2013, 30, 869-883. | 1.7 | 39 |
| 86 | Adult Low-Grade Acquired Spondylolytic Spondylolisthesis. Spine, 2005, 30, S35-S41. | 1.0 | 38 |
| 87 | Parallel Metabolomic Profiling of Cerebrospinal Fluid and Serum for Identifying Biomarkers of Injury Severity after Acute Human Spinal Cord Injury. Scientific Reports, 2016, 6, 38718. | 1.6 | 38 |
| 88 | 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 |
| 89 | The challenge of recruitment for neurotherapeutic clinical trials in spinal cord injury. Spinal Cord, 2019, 57, 348-359. | 0.9 | 37 |
| 90 | Understanding Length of Stay after Spinal Cord Injury: Insights and Limitations from the Access to Care and Timing Project. Journal of Neurotrauma, 2017, 34, 2910-2916. | 1.7 | 36 |

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| 91 | Effect of Frailty on Outcome after Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2020, 37, 839-845. | 1.7 | 36 |
| 92 | 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 |
| 93 | Gross Morphological Changes of the Spinal Cord Immediately After Surgical Decompression in a Large Animal Model of Traumatic Spinal Cord Injury. Spine, 2012, 37, E890-E899. | 1.0 | 35 |
| 94 | The Pressure Distribution of Cerebrospinal Fluid Responds to Residual Compression and Decompression in an Animal Model of Acute Spinal Cord Injury. Spine, 2012, 37, E1422-E1431. | 1.0 | 34 |
| 95 | A prospective serial MRI study following acute traumatic cervical spinal cord injury. European Spine Journal, 2017, 26, 2324-2332. | 1.0 | 34 |
| 96 | Basic biomechanics of spinal cord injury â€" How injuries happen in people and how animal models have informed our understanding. Clinical Biomechanics, 2019, 64, 58-68. | 0.5 | 34 |
| 97 | 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 |
| 98 | 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 |
| 99 | Development of a New Zealand White Rabbit Model of Spinal Pseudarthrosis Repair and Evaluation of the Potential Role of OP-1 to Overcome Pseudarthrosis. Spine, 2004, 29, 1405-1412. | 1.0 | 33 |
| 100 | Development of a large-animal model to measure dynamic cerebrospinal fluid pressure during spinal cord injury. Journal of Neurosurgery: Spine, 2012, 16, 624-635. | 0.9 | 32 |
| 101 | The Spine-injured Patient: Initial Assessment and Emergency Treatment. Journal of the American Academy of Orthopaedic Surgeons, The, 2012, 20, 336-346. | 1.1 | 32 |
| 102 | Intraparenchymal Microdialysis after Acute Spinal Cord Injury Reveals Differential Metabolic Responses to Contusive versus Compressive Mechanisms of Injury. Journal of Neurotrauma, 2013, 30, 1564-1576. | 1.7 | 32 |
| 103 | Nonlinear viscoelastic characterization of the porcine spinal cord. Acta Biomaterialia, 2014, 10, 792-797. | 4.1 | 32 |
| 104 | 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 |
| 105 | Empirical targets for acute hemodynamic management of individuals with spinal cord injury. Neurology, 2019, 93, e1205-e1211. | 1.5 | 31 |
| 106 | In-Hospital Mortality for the Elderly with Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2020, 37, 2332-2342. | 1.7 | 31 |
| 107 | The translational importance of establishing biomarkers of human spinal cord injury. Neural Regeneration Research, 2017, 12, 385. | 1.6 | 31 |
| 108 | A Targeted Proteomics Analysis of Cerebrospinal Fluid after Acute Human Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 2054-2068. | 1.7 | 30 |

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| 109 | Evaluating accessibility of intravenously administered nanoparticles at the lesion site in rat and pig contusion models of spinal cord injury. Journal of Controlled Release, 2019, 302, 160-168. | 4.8 | 30 |
| 110 | A comparison of the Wiltse versus midline approaches in degenerative conditions of the lumbar spine. Journal of Neurosurgery: Spine, 2016, 25, 332-338. | 0.9 | 29 |
| 111 | Integrated systems analysis reveals conserved gene networks underlying response to spinal cord injury. ELife, 2018, 7, . | 2.8 | 29 |
| 112 | Magnesium in a Polyethylene Glycol Formulation Provides Neuroprotection After Unilateral Cervical Spinal Cord Injury. Spine, 2010, 35, 2041-2048. | 1.0 | 28 |
| 113 | Feasibility of patient recruitment into clinical trials of experimental treatments for acute spinal cord injury. Journal of Clinical Neuroscience, 2012, 19, 1338-1343. | 0.8 | 28 |
| 114 | The influence of neurological examination timing within hours after acute traumatic spinal cord injuries: an observational study. Spinal Cord, 2020, 58, 247-254. | 0.9 | 28 |
| 115 | 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 |
| 116 | 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 |
| 117 | We Choose to Call it †Degenerative Cervical Myelopathy': 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 |
| 118 | The Validity of Administrative Data To Classify Patients with Spinal Column and Cord Injuries. Journal of Neurotrauma, 2013, 30, 173-180. | 1.7 | 25 |
| 119 | Fueling Hope: Stem Cells in Social Media. Stem Cell Reviews and Reports, 2015, 11, 540-546. | 5.6 | 25 |
| 120 | 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 |
| 121 | Optical Assessment of Spinal Cord Tissue Oxygenation Using a Miniaturized Near Infrared Spectroscopy Sensor. Journal of Neurotrauma, 2019, 36, 3034-3043. | 1.7 | 25 |
| 122 | Expectations of Benefit and Tolerance to Risk of Individuals with Spinal Cord Injury Regarding Potential Participation in Clinical Trials. Journal of Neurotrauma, 2012, 29, 2727-2737. | 1.7 | 24 |
| 123 | Mean Arterial Blood Pressure Management of Acute Traumatic Spinal Cord Injured Patients during the Pre-Hospital and Early Admission Period. Journal of Neurotrauma, 2017, 34, 1271-1277. | 1.7 | 24 |
| 124 | Relationships between vitamin D and paraspinal muscle: human data and experimental rat model analysis. Spine Journal, 2018, 18, 1053-1061. | 0.6 | 23 |
| 125 | Previously Identified Common Post-Injury Adverse Events in Traumatic Spinal Cord Injury—Validation of Existing Literature and Relation to Selected Potentially Modifiable Comorbidities: A Prospective Canadian Cohort Study. Journal of Neurotrauma, 2017, 34, 2883-2891. | 1.7 | 22 |
| 126 | Intra-rater and inter-rater reliability of the Penn Spasm Frequency Scale in People with chronic traumatic spinal cord injury. Spinal Cord, 2018, 56, 569-574. | 0.9 | 22 |

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| 127 | Hemodynamic Management of Acute Spinal Cord Injury: A Literature Review. Neurospine, 2021, 18, 7-14. | 1.1 | 22 |
| 128 | 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 |
| 129 | The Evaluation of Magnesium Chloride within a Polyethylene Glycol Formulation in a Porcine Model of Acute Spinal Cord Injury. Journal of Neurotrauma, 2016, 33, 2202-2216. | 1.7 | 21 |
| 130 | Transplantation of Skin Precursor-Derived Schwann Cells Yields Better Locomotor Outcomes and Reduces Bladder Pathology in Rats with Chronic Spinal Cord Injury. Stem Cell Reports, 2020, 15, 140-155. | 2.3 | 21 |
| 131 | Development of a NanoLC-MS workflow for high-sensitivity global lipidomic analysis. Analytica Chimica Acta, 2020, 1139, 88-99. | 2.6 | 21 |
| 132 | Interventions to Optimize Spinal Cord Perfusion in Patients with Acute Traumatic Spinal Cord Injuries: A Systematic Review. Journal of Neurotrauma, 2020, 37, 1127-1139. | 1.7 | 21 |
| 133 | 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 |
| 134 | Responses of the Acutely Injured Spinal Cord to Vibration that Simulates Transport in Helicopters or Mine-Resistant Ambush-Protected Vehicles. Journal of Neurotrauma, 2016, 33, 2217-2226. | 1.7 | 20 |
| 135 | Review of the UBC Porcine Model of Traumatic Spinal Cord Injury. Journal of Korean Neurosurgical Society, 2018, 61, 539-547. | 0.5 | 20 |
| 136 | The Effect of Whole-Body Resonance Vibration in a Porcine Model of Spinal Cord Injury. Journal of Neurotrauma, 2015, 32, 908-921. | 1.7 | 19 |
| 137 | Rural and Urban Living in Persons with Spinal Cord Injury and Comparing Environmental Barriers, Their Health, and Quality-of-Life Outcomes. Journal of Neurotrauma, 2017, 34, 2877-2882. | 1.7 | 19 |
| 138 | Spinal Cord Injury Clinical Registries: Improving Care across the SCI Care Continuum by Identifying Knowledge Gaps. Journal of Neurotrauma, 2017, 34, 2924-2933. | 1.7 | 19 |
| 139 | Treatment of Facet Injuries in the Cervical Spine. Neurosurgery Clinics of North America, 2017, 28, 125-137. | 0.8 | 19 |
| 140 | Comparison of in vivo and ex vivo viscoelastic behavior of the spinal cord. Acta Biomaterialia, 2018, 68, 78-89. | 4.1 | 19 |
| 141 | Sensorimotor plasticity after spinal cord injury: a longitudinal and translational study. Annals of Clinical and Translational Neurology, 2019, 6, 68-82. | 1.7 | 19 |
| 142 | Cardio-centric hemodynamic management improves spinal cord oxygenation and mitigates hemorrhage in acute spinal cord injury. Nature Communications, 2020, 11, 5209. | 5.8 | 19 |
| 143 | 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 |
| 144 | Monitoring spinal cord hemodynamics and tissue oxygenation: a review of the literature with special focus on the near-infrared spectroscopy technique. Spinal Cord, 2019, 57, 617-625. | 0.9 | 18 |

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| 145 | An Aneurysmal Bone Cyst in the Cervical Spine of a 10-Year-Old Girl: A Case Report. Spine, 2006, 31, E475-E479. | 1.0 | 17 |
| 146 | Opinions on the Preclinical Evaluation of Novel Therapies for Spinal Cord Injury: A Comparison between Researchers and Spinal Cord-Injured Individuals. Journal of Neurotrauma, 2012, 29, 2367-2374. | 1.7 | 17 |
| 147 | Cerebrospinal Fluid Pressures Resulting From Experimental Traumatic Spinal Cord Injuries in a Pig Model. Journal of Biomechanical Engineering, 2013, 135, 101005. | 0.6 | 17 |
| 148 | Histological Effects of Residual Compression Sustained for 60 Minutes at Different Depths in a Novel Rat Spinal Cord Injury Contusion Model. Journal of Neurotrauma, 2013, 30, 1374-1384. | 1.7 | 17 |
| 149 | Longitudinal Assessment of Autonomic Function during the Acute Phase of Spinal Cord Injury: Use of Low-Frequency Blood Pressure Variability as a Quantitative Measure of Autonomic Function. Journal of Neurotrauma, 2021, 38, 309-321. | 1.7 | 17 |
| 150 | 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 |
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