James D Guest

List of Publications by Citations

116	4,422	36	65
papers	citations	h-index	g-index
127	5,226	3.7	5.01
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
116	Guidelines for the conduct of clinical trials for spinal cord injury as developed by the ICCP panel: spontaneous recovery after spinal cord injury and statistical power needed for therapeutic clinical trials. *Spinal Cord*, **2007**, 45, 190-205	2.7	607
115	Guidelines for the conduct of clinical trials for spinal cord injury (SCI) as developed by the ICCP panel: clinical trial outcome measures. *Spinal Cord*, **2007**, 45, 206-21	2.7	346
114	The ability of human Schwann cell grafts to promote regeneration in the transected nude rat spinal cord. *Experimental Neurology*, **1997**, 148, 502-22	5.7	243
113	Demyelination and Schwann cell responses adjacent to injury epicenter cavities following chronic human spinal cord injury. *Experimental Neurology*, **2005**, 192, 384-93	5.7	234
112	Cellular transplants in China: observational study from the largest human experiment in chronic spinal cord injury. *Neurorehabilitation and Neural Repair*, **2006**, 20, 5-13	4.7	170
111	Guidelines for the conduct of clinical trials for spinal cord injury as developed by the ICCP Panel: clinical trial inclusion/exclusion criteria and ethics. *Spinal Cord*, **2007**, 45, 222-31	2.7	168
110	Guidelines for the conduct of clinical trials for spinal cord injury as developed by the ICCP panel: clinical trial design. *Spinal Cord*, **2007**, 45, 232-42	2.7	158
109	Safety of Autologous Human Schwann Cell Transplantation in Subacute Thoracic Spinal Cord Injury. *Journal of Neurotrauma*, **2017**, 34, 2950-2963	5.4	141
108	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, 239-55	5.4	134
107	Influence of IN-1 antibody and acidic FGF-fibrin glue on the response of injured corticospinal tract axons to human Schwann cell grafts. *Journal of Neuroscience Research*, **1997**, 50, 888-905	4.4	125
106	Extent of spontaneous motor recovery after traumatic cervical sensorimotor complete spinal cord injury. *Spinal Cord*, **2011**, 49, 257-65	2.7	122
105	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, 2263-71	5.4	121
104	Incidence and severity of acute complications after spinal cord injury. *Journal of Neurosurgery: Spine* , **2012**, 17, 119-28	2.8	88
103	Characterization of neurological recovery following traumatic sensorimotor complete thoracic spinal cord injury. *Spinal Cord*, **2011**, 49, 463-71	2.7	87
102	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, 1525-43	5.4	77
101	Clinical translation of autologous Schwann cell transplantation for the treatment of spinal cord injury. *Current Opinion in Organ Transplantation*, **2013**, 18, 682-9	2.5	68
100	Mild hypothermia, blood loss and complications in elective spinal surgery. *Spine Journal*, **2004**, 4, 130-7	4	64

99	Rapid recovery of segmental neurological function in a tetraplegic patient following transplantation of fetal olfactory bulb-derived cells. *Spinal Cord*, **2006**, 44, 135-42	2.7	57
98	Traumatic central cord syndrome: results of surgical management. *Journal of Neurosurgery: Spine*, **2002**, 97, 25-32	2.8	57
97	Challenges for defining minimal clinically important difference (MCID) after spinal cord injury. *Spinal Cord*, **2015**, 53, 84-91	2.7	56
96	Large animal and primate models of spinal cord injury for the testing of novel therapies. *Experimental Neurology*, **2015**, 269, 154-68	5.7	55
95	Translational potential of preclinical trials of neuroprotection through pharmacotherapy for spinal cord injury. *Journal of Neurosurgery: Spine*, **2012**, 17, 157-229	2.8	53
94	Technical aspects of spinal cord injections for cell transplantation. Clinical and translational considerations. *Brain Research Bulletin*, **2011**, 84, 267-79	3.9	51
93	Evaluation of clinical experience using cell-based therapies in patients with spinal cord injury: a systematic review. *Journal of Neurosurgery: Spine*, **2012**, 17, 230-46	2.8	50
92	Aquaporins in spinal cord injury: the janus face of aquaporin 4. *Neuroscience*, **2010**, 168, 1019-35	3.9	49
91	A Systematic Review of Experimental Strategies Aimed at Improving Motor Function after Acute and Chronic Spinal Cord Injury. *Journal of Neurotrauma*, **2016**, 33, 425-38	5.4	47
90	Predictors of pulmonary complications in blunt traumatic spinal cord injury. *Journal of Neurosurgery: Spine*, **2012**, 17, 38-45	2.8	45
89	Effects of epidural hypothermic saline infusion on locomotor outcome and tissue preservation after moderate thoracic spinal cord contusion in rats. *Journal of Neurosurgery: Spine*, **2005**, 2, 308-18	2.8	44
88	Demonstrating efficacy in preclinical studies of cellular therapies for spinal cord injury - how much is enough?. *Experimental Neurology*, **2013**, 248, 30-44	5.7	42
87	Spinal cord injury: how can we improve the classification and quantification of its severity and prognosis?. *Journal of Neurotrauma*, **2014**, 31, 215-27	5.4	40
86	Acute traumatic central cord syndrome--experience using surgical decompression with open-door expansile cervical laminoplasty. *World Neurosurgery*, **2005**, 63, 505-10; discussion 510		40
85	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, 151-6	2.8	39
84	Xenografts of expanded primate olfactory ensheathing glia support transient behavioral recovery that is independent of serotonergic or corticospinal axonal regeneration in nude rats following spinal cord transection. *Experimental Neurology*, **2008**, 212, 261-74	5.7	39
83	Minimally invasive cervical expansile laminoplasty: an initial cadaveric study. *Neurosurgery*, **2003**, 52, 370-3; discussion 373	3.2	39
82	3D Imaging of Axons in Transparent Spinal Cords from Rodents and Nonhuman Primates. *ENeuro*, **2015**, 2,	3.9	39

81	Position statement on the sale of unproven cellular therapies for spinal cord injury: the international campaign for cures of spinal cord injury paralysis. *Spinal Cord*, **2009**, 47, 713-4	2.7	31
80	Human Schwann cells exhibit long-term cell survival, are not tumorigenic and promote repair when transplanted into the contused spinal cord. *Glia*, **2017**, 65, 1278-1301	9	30
79	Natural history of neurological improvement following complete (AIS A) thoracic spinal cord injury across three registries to guide acute clinical trial design and interpretation. *Spinal Cord*, **2019**, 57, 753-762	2.7	27
78	Association of Pneumonia, Wound Infection, and Sepsis with Clinical Outcomes after Acute Traumatic Spinal Cord Injury. *Journal of Neurotrauma*, **2019**, 36, 3044-3050	5.4	24
77	The challenge of recruitment for neurotherapeutic clinical trials in spinal cord injury. *Spinal Cord*, **2019**, 57, 348-359	2.7	24
76	Use of percutaneous endoscopy to place syringopleural or cystoperitoneal cerebrospinal fluid shunts: technical note. *Journal of Neurosurgery: Spine*, **2005**, 2, 498-504	2.8	23
75	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	5.4	21
74	An appraisal of ongoing experimental procedures in human spinal cord injury. *Journal of Neurologic Physical Therapy*, **2005**, 29, 70-86	4.1	21
73	Ultrastructural study of the primary olfactory pathway in Macaca fascicularis. *Journal of Comparative Neurology*, **2005**, 488, 427-41	3.4	21
72	Internal decompression of the acutely contused spinal cord: Differential effects of irrigation only versus biodegradable scaffold implantation. *Biomaterials*, **2018**, 185, 284-300	15.6	19
71	New Clinical-Pathological Classification of Intraspinal Injury Following Traumatic Acute Complete Thoracic Spinal Cord Injury: Postdurotomy/Myelotomy Observations From the INSPIRE Trial. *Neurosurgery*, **2017**, 64, 105-109	3.2	17
70	Clinical feasibility of minimally invasive cervical laminoplasty. *Neurosurgical Focus*, **2008**, 25, E3	4.2	17
69	Characterization of Motor and Somatosensory Evoked Potentials in the Yucatan Micropig Using Transcranial and Epidural Stimulation. *Journal of Neurotrauma*, **2017**, 34, 2595-2608	5.4	16
68	Thoracic disc herniation presenting with transient anterior spinal artery syndrome. A case report. *Interventional Neuroradiology*, **2000**, 6, 327-31	1.9	15
67	Expression of the Chlamydia trachomatis major outer membrane protein-encoding gene in Escherichia coli: role of the 3' end in mRNA stability. *Gene*, **1990**, 87, 97-103	3.8	14
66	Clinical and Neurophysiological Changes after Targeted Intrathecal Injections of Bone Marrow Stem Cells in a C3 Tetraplegic Subject. *Journal of Neurotrauma*, **2019**, 36, 500-516	5.4	13
65	Optimization of the decision-making process for the selection of therapeutics to undergo clinical testing for spinal cord injury in the North American Clinical Trials Network. *Journal of Neurosurgery: Spine*, **2012**, 17, 94-101	2.8	13
64	Dissecting Brainstem Locomotor Circuits: Converging Evidence for Cuneiform Nucleus Stimulation. *Frontiers in Systems Neuroscience*, **2020**, 14, 64	3.5	13

63	Considerations and recommendations for selection and utilization of upper extremity clinical outcome assessments in human spinal cord injury trials. *Spinal Cord*, **2018**, 56, 414-425	2.7	12
62	Intraspinal Delivery of Schwann Cells for Spinal Cord Injury. *Methods in Molecular Biology*, **2018**, 1739, 467-484	1.4	12
61	Characterizing Natural Recovery after Traumatic Spinal Cord Injury. *Journal of Neurotrauma*, **2021**, 38, 1267-1284	5.4	12
60	Phase 1 Safety Trial of Autologous Human Schwann Cell Transplantation in Chronic Spinal Cord Injury. *Journal of Neurotrauma*, **2021**,	5.4	10
59	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	1.4	10
58	Dichotomous Locomotor Recoveries Are Predicted by Acute Changes in Segmental Blood Flow after Thoracic Spinal Contusion Injuries in Pigs. *Journal of Neurotrauma*, **2019**, 36, 1399-1415	5.4	10
57	Acute central cord syndrome arising from a cervical epidural abscess: case report. *Neurosurgery*, **2007**, 61, E424-5; discussion E425	3.2	9
56	Commentary Regarding the Recent Publication by Tabakow et al., "Functional Regeneration of Supraspinal Connections in a Patient with Transected Spinal Cord following Transplantation of Bulbar Olfactory Ensheathing Cells with Peripheral Nerve Bridging". *Journal of Neurotrauma*, **2015**, 32, 1176-8	5.4	8
55	Percutaneous endoscopic cellular transplantation into the lower lumbar spinal cord. *Neurosurgery*, **2004**, 54, 950-5; discussion 955	3.2	8
54	Spinal Cord Ischemia and Trauma **2005**, 101-118		8
53	Cardiovascular Autonomic Dysfunction in Spinal Cord Injury: Epidemiology, Diagnosis, and Management. *Seminars in Neurology*, **2020**, 40, 550-559	3.2	8
52	Method and Apparatus for the Automated Delivery of Continuous Neural Stem Cell Trails Into the Spinal Cord of Small and Large Animals. *Neurosurgery*, **2019**, 85, 560-573	3.2	7
51	Neurophysiological Changes in the First Year After Cell Transplantation in Sub-acute Complete Paraplegia. *Frontiers in Neurology*, **2020**, 11, 514181	4.1	7
50	Imaging characteristics of chronic spinal cord injury identified during screening for a cell transplantation clinical trial. *Neurosurgical Focus*, **2019**, 46, E8	4.2	6
49	Adaptive trial designs for spinal cord injury clinical trials directed to the central nervous system. *Spinal Cord*, **2020**, 58, 1235-1248	2.7	6
48	Cell-based and stem-cell-based treatments for spinal cord injury: evidence from clinical trials.. *Lancet Neurology, The*, **2022**,	24.1	6
47	Vertebral body osteolysis following the use of bone morphogenetic protein in spinal surgery: a mimicker of infection. *Journal of Neuroradiology*, **2012**, 39, 354-9	3.1	5
46	Deep brain stimulation of midbrain locomotor circuits in the freely moving pig. *Brain Stimulation*, **2021**, 14, 467-476	5.1	5

45	Deep brain stimulation of the Cuneiform nucleus for levodopa-resistant freezing of gait in Parkinson's disease: study protocol for a prospective, pilot trial. *Pilot and Feasibility Studies*, **2021**, 7, 117	1.9	5
44	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	1.6	4
43	Meeting Proceedings for SCI 2020: Launching a Decade of Disruption in Spinal Cord Injury Research. *Journal of Neurotrauma*, **2021**, 38, 1251-1266	5.4	4
42	Influence of IN-1 antibody and acidic FGF-fibrin glue on the response of injured corticospinal tract axons to human Schwann cell grafts **1997**, 50, 888		4
41	Effect of primate bone marrow stromal cells on survival and neurite outgrowth. *NeuroReport*, **2010**, 21, 877-81	1.7	3
40	The micropig model of neurosurgery and spinal cord injury in experiments of motor control **2020**, 349-384		3
39	Population Averaged Stereotaxic T2w MRI Brain Template for the Adult Yucatan Micropig. *Frontiers in Neuroanatomy*, **2020**, 14, 599701	3.6	3
38	Experimental Treatments for Spinal Cord Injury: What you Should Know. *Topics in Spinal Cord Injury Rehabilitation*, **2021**, 27, 50-74	1.5	3
37	MR Tractography-Based Targeting and Physiological Identification of the Cuneiform Nucleus for Directional DBS in a Parkinson's Disease Patient With Levodopa-Resistant Freezing of Gait. *Frontiers in Human Neuroscience*, **2021**, 15, 676755	3.3	3
36	Hopes and illusions. *American Journal of Bioethics*, **2010**, 10, 47-8	1.1	2
35	Deep Brain Stimulation of the Cuneiform Nucleus for Levodopa-Resistant Freezing of Gait in Parkinson's Disease: Study Protocol for a Prospective, Pilot Trial		2
34	The Current Status of Neuroprotection for Spinal Cord Injury **2017**, 529-583		2
33	A taxonomy for consistent handling of conditions not related to the spinal cord injury (SCI) in the International Standards for Neurological Classification of SCI (ISNCSCI). *Spinal Cord*, **2021**,	2.7	2
32	Elezanumab, a human anti-RGMa monoclonal antibody, promotes neuroprotection, neuroplasticity, and neurorecovery following a thoracic hemicompression spinal cord injury in non-human primates. *Neurobiology of Disease*, **2021**, 155, 105385	7.5	2
31	Scalable culture techniques to generate large numbers of purified human Schwann cells for clinical trials in human spinal cord and peripheral nerve injuries. *Journal of Neurosurgery: Spine*, **2021**, 1-10	2.8	2
30	Distinct patterns of spasticity and corticospinal connectivity following complete spinal cord injury. *Journal of Physiology*, **2021**, 599, 4441-4454	3.9	2
29	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	3	1
28	Imaging and Electrophysiology for Degenerative Cervical Myelopathy [AO Spine RECODE DCM Research Priority Number 9]. *Global Spine Journal*, **2021**, 21925682211057484	2.7	1

27	Grafting of Peripheral Nerves and Schwann Cells into the CNS to Support Axon Regeneration **1999**, 379-409		1
26	Clinical Trial Designs for Neuromodulation in Chronic Spinal Cord Injury Using Epidural Stimulation. *Neuromodulation*, **2021**, 24, 405-415	3.1	1
25	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	2.8	1
24	A Systematic Review of Safety Reporting in Acute Spinal Cord Injury Clinical Trials: Challenges and Recommendations. *Journal of Neurotrauma*, **2021**, 38, 2047-2054	5.4	1
23	Improving Awareness Could Transform Outcomes in Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 1].. *Global Spine Journal*, **2022**, 12, 28S-38S	2.7	1
22	Optimizing the Application of Surgery for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 10].. *Global Spine Journal*, **2022**, 12, 147S-158S	2.7	1
21	Degenerative Cervical Myelopathy: Development and Natural History [AO Spine RECODE-DCM Research Priority Number 2].. *Global Spine Journal*, **2022**, 12, 39S-54S	2.7	1
20	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*, **2021**, 21925682211063854	2.7	1
19	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*, **2021**, 21925682211047546	2.7	1
18	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	2.7	1
17	Longitudinal Impact of Acute Spinal Cord Injury on Clinical Pharmacokinetics of Riluzole, a Potential Neuroprotective Agent. *Journal of Clinical Pharmacology*, **2021**, 61, 1232-1242	2.9	0
16	Combined neuromodulatory approaches in the central nervous system for treatment of spinal cord injury. *Current Opinion in Neurology*, **2021**, 34, 804-811	7.1	0
15	Indicators of Quality of Care in Individuals With Traumatic Spinal Cord Injury: A Scoping Review. *Global Spine Journal*, **2022**, 12, 166-181	2.7	0
14	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	2.7	0
13	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	2.7	0
12	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	2.7	0
11	Establishing Diagnostic Criteria for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 3].. *Global Spine Journal*, **2022**, 12, 55S-63S	2.7	0
10	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	2.7	0

9	Towards treating spinal cord injury in 'patients': one step at a time. *Brain*, **2012**, 135, 3203-5	11.2
8	Spinal Cord Transection **2003**, 354-359	
7	Pain, Deafferentation **2003**, 736-740	
6	A Two-decade Assessment of Changing Practice for Surgical Decompression and Fixation after Traumatic Spinal Cord Injury - Impact on Healthcare Utilization and Cost. *Cureus*, **2019**, 11, e6156	1.2
5	The Interdisciplinary Stem Cell Institute's Use of Food and Drug Administration-Expanded Access Guidelines to Provide Experimental Cell Therapy to Patients With Rare Serious Diseases. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 675738	5.7
4	Neuromodulation for Gait Disorders. *Contemporary Clinical Neuroscience*, **2021**, 485-520	0.1
3	Spinal Cord Injury and Epidural Spinal Cord Stimulation. *Contemporary Clinical Neuroscience*, **2021**, 19-38	0.1
2	Translational perspective **2022**, 537-573	
1	Intraoperative imaging and image guidance **2022**, 125-148	