Sean D Christie

List of Publications by Year
in descending order

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97 papers	2,209 citations	236925 25 h-index	265206 42 g-index
102 all docs	102 docs citations	102 times ranked	2175 citing authors

#	Article	IF	Citations
1	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.	3.4	167
2	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.	3.4	124
3	Spinal cord perfusion pressure predicts neurologic recovery in acute spinal cord injury. Neurology, 2017, 89, 1660-1667.	1.1	121
4	Dynamic Interspinous Process Technology. Spine, 2005, 30, S73-S78.	2.0	109
5	Guideline summary review: an evidence-based clinical guideline for the diagnosis and treatment of low back pain. Spine Journal, 2020, 20, 998-1024.	1.3	102
6	A Systematic Review of Intensive Cardiopulmonary Management after Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1479-1495.	3.4	92
7	Duration of lipid peroxidation after acute spinal cord injury in rats and the effect of methylprednisolone. Neurosurgical Focus, 2008, 25, E5.	2.3	71
8	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.	3.4	69
9	Operating in a Climate Crisis: A State-of-the-Science Review of Life Cycle Assessment within Surgical and Anesthetic Care. Environmental Health Perspectives, 2021, 129, 76001.	6.0	67
10	Minimally Invasive Resection of Intradural-Extramedullary Spinal Neoplasms. Operative Neurosurgery, 2006, 58, ONS-52-ONS-58.	0.8	66
11	Acute Pharmacological DVT Prophylaxis after Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1509-1514.	3.4	57
12	Effect of older age on treatment decisions and outcomes among patients with traumatic spinal cord injury. Cmaj, 2015, 187, 873-880.	2.0	51
13	Optimization of the mean arterial pressure and timing of surgical decompression in traumatic spinal cord injury: a retrospective study. Spinal Cord, 2017, 55, 1033-1038.	1.9	46
14	MicroRNA Biomarkers in Cerebrospinal Fluid and Serum Reflect Injury Severity in Human Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2019, 36, 2358-2371.	3.4	46
15	Acute Management of Nutritional Demands after Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1497-1507.	3.4	43
16	MINIMALLY INVASIVE POSTEROLATERAL THORACIC CORPECTOMY. Neurosurgery, 2009, 64, 746-753.	1.1	39
17	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.	3.3	38
18	Empirical targets for acute hemodynamic management of individuals with spinal cord injury. Neurology, 2019, 93, e1205-e1211.	1.1	31

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19	In-Hospital Mortality for the Elderly with Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2020, 37, 2332-2342.	3.4	31
20	A Targeted Proteomics Analysis of Cerebrospinal Fluid after Acute Human Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 2054-2068.	3.4	30
21	Letter: The Risk of COVID-19 Infection During Neurosurgical Procedures: A Review of Severe Acute Respiratory Distress Syndrome Coronavirus 2 (SARS-CoV-2) Modes of Transmission and Proposed Neurosurgery-Specific Measures for Mitigation. Neurosurgery, 2020, 87, E178-E185.	1.1	30
22	Predictors of Blood Transfusion in Posterior Lumbar Spinal Fusion. Spine, 2018, 43, E35-E39.	2.0	30
23	An analysis of ideal and actual time to surgery after traumatic spinal cord injury in Canada. Spinal Cord, 2017, 55, 618-623.	1.9	29
24	Cervical juxtafacet cysts: case report and literature review. Spine Journal, 2006, 6, 279-281.	1.3	28
25	Gender differences in the surgical management of lumbar degenerative disease: a scoping review. Journal of Neurosurgery: Spine, 2020, 32, 799-816.	1.7	28
26	Ionic liquid mediated synthesis and x-ray crystal structure of trans-difluorotetrakis-(1-methylimidazole)iron(III) tetrafluoroborate. Inorganic Chemistry, 1993, 32, 5415-5417.	4.0	27
27	Strict self-assembly of [Fe(cyclam)]3+and [hydrogenbis(1,1â€²-ferrocenedicarboxylate)]3â€“into a novel mixed-valent one-dimensional polymer containing an FeIIIN4O2chromophore. Journal of the Chemical Society Chemical Communications, 1994, , 2563-2564.	2.0	27
28	Effect of spinal decompression on back pain in lumbar spinal stenosis: a Canadian Spine Outcomes Research Network (CSORN) study. Spine Journal, 2019, 19, 1001-1008.	1.3	25
29	Clinical outcomes research in spine surgery: what are appropriate follow-up times?. Journal of Neurosurgery: Spine, 2019, 30, 397-404.	1.7	25
30	Fourth Ventricular Neurocytoma: Case Report and Review of the Literature. Canadian Journal of Neurological Sciences, 2004, 31, 558-564.	0.5	21
31	Interaction of alkylaluminum reagents with organotransition-metal arene complexes: net addition of alkide, haloalkide, and dichloromethide to [(arene)2Fe]2+ cations. Organometallics, 1992, 11, 337-344.	2.3	20
32	Vertebroplasty and Kyphoplasty. Neurosurgery Clinics of North America, 2006, 17, 507-518.	1.7	19
33	Traumatic Spinal Cord Injury Care in Canada: A Survey of Canadian Centers. Journal of Neurotrauma, 2017, 34, 2848-2855.	3.4	19
34	Spinal Cord Injury Clinical Registries: Improving Care across the SCI Care Continuum by Identifying Knowledge Gaps. Journal of Neurotrauma, 2017, 34, 2924-2933.	3.4	19
35	Will cost transparency in the operating theatre cause surgeons to change their practice?. Journal of Clinical Neuroscience, 2019, 60, 1-6.	1.5	17
36	Air stable liquid clathrates: Solid state structure and hydrocarbon solubility of organic cation triiodide salts. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1991, 11, 103-114.	1.6	16

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37	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.	1.3	16
38	Minimally Invasive Cervical Stenosis Decompression. Neurosurgery Clinics of North America, 2006, 17, 423-428.	1.7	15
39	A Novel Minimally Invasive Technique for Spinal Cord Untethering. Operative Neurosurgery, 2007, 60, ONS-70-ONS-74.	0.8	15
40	Forecasting Financial Resources for Future Traumatic Spinal Cord Injury Care Using Simulation Modeling. Journal of Neurotrauma, 2017, 34, 2917-2923.	3.4	15
41	Treatment of Mild Cervical Myelopathy. Spine, 2019, 44, 1606-1612.	2.0	14
42	Patientsâ€™ expectations of spine surgery for degenerative conditions: results from the Canadian Spine Outcomes and Research Network (CSORN). Spine Journal, 2020, 20, 399-408.	1.3	14
43	Proteomic Portraits Reveal Evolutionarily Conserved and Divergent Responses to Spinal Cord Injury. Molecular and Cellular Proteomics, 2021, 20, 100096.	3.8	14
44	Effectiveness of Surgical Decompression in Patients With Degenerative Cervical Myelopathy: Results of the Canadian Prospective Multicenter Study. Neurosurgery, 2021, 89, 844-851.	1.1	14
45	Clinical predictors of achieving the minimal clinically important difference after surgery for cervical spondylotic myelopathy: an external validation study from the Canadian Spine Outcomes and Research Network. Journal of Neurosurgery: Spine, 2020, 33, 129-137.	1.7	14
46	Cervical Sagittal Alignment in Patients with Cervical Spondylotic Myelopathy. Spine, 2022, 47, E177-E186.	2.0	14
47	Teaching for the Transition: the Canadian PGY-1 Neurosurgery â€˜Rookie Campâ€™. Canadian Journal of Neurological Sciences, 2015, 42, 25-33.	0.5	13
48	Predicting Recruitment Feasibility for Acute Spinal Cord Injury Clinical Trials in Canada Using National Registry Data. Journal of Neurotrauma, 2017, 34, 599-606.	3.4	13
49	The clinical utility of the Spinal Instability Neoplastic Score (SINS) system in spinal epidural metastases: a retrospective study. Spinal Cord, 2020, 58, 892-899.	1.9	13
50	Characterization of Cerebrospinal Fluid Ubiquitin C-Terminal Hydrolase L1 as a Biomarker of Human Acute Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2021, 38, 2055-2064.	3.4	13
51	Systematic review of melatonin levels in individuals with complete cervical spinal cord injury. Journal of Spinal Cord Medicine, 2020, 43, 565-578.	1.4	12
52	Mental health improvements after elective spine surgery: a Canadian Spine Outcome Research Network (CSORN) study. Spine Journal, 2021, 21, 1332-1339.	1.3	12
53	Health economic aspects of vertebral augmentation procedures. Osteoporosis International, 2015, 26, 1239-1249.	3.1	11
54	Intraspinal Transplantation of hNT Neurons in the Lesioned Adult Rat Spinal Cord. Canadian Journal of Neurological Sciences, 2004, 31, 87-96.	0.5	10

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55	Development of a Competence-Based Spine Surgery Fellowship Curriculum Set of Learning Objectives in Canada. Spine, 2016, 41, 530-537.	2.0	10
56	Second harmonic generation microscopy of otoconia. Biomedical Optics Express, 2022, 13, 3593.	2.9	10
57	Synoptic operative reports for spinal cord injury patients as a tool for data quality. Health Informatics Journal, 2016, 22, 984-991.	2.1	9
58	Launch of the Canadian Neurosurgery Research Collaborative. Canadian Journal of Neurological Sciences, 2017, 44, 204-206.	0.5	9
59	A Comparison of Patient and Surgeon Expectations of Spine Surgical Outcomes. Global Spine Journal, 2021, 11, 331-337.	2.3	9
60	Protocol-Driven Decision Support within e-Referral Systems to Streamline Patient Consultation, Triaging and Referrals from Primary Care to Specialist Clinics. Journal of Medical Systems, 2017, 41, 139.	3.6	8
61	Proximal Plantar Intrinsic Tendinopathy: Anatomical and Biomechanical Considerations in Plantar Heel Pain. Journal of the American Podiatric Medical Association, 2019, 109, 412-415.	0.3	8
62	Patient reported outcomes following surgery for degenerative spondylolisthesis: comparison of a universal and multi-tier health care system. Spine Journal, 2019, 19, 24-33.	1.3	8
63	The Effect of Perioperative Adverse Events on Long-Term Patient-Reported Outcomes After Lumbar Spine Surgery. Neurosurgery, 2021, 88, 420-427.	1.1	8
64	Trimethylamine-N-oxide induced disproportionation of Re2(CO)10: Synthesis and X-ray crystal structure of [fac-Re(CO)3(ONMe3)3] [ReO4]. Journal of Crystallographic and Spectroscopic Research, 1993, 23, 591-594.	0.2	7
65	Neural Transplantation in Spinal Cord Injury. Canadian Journal of Neurological Sciences, 2001, 28, 6-15.	0.5	7
66	Minimally Invasive Lumbar Discectomy and Foraminotomy. Neurosurgery Clinics of North America, 2006, 17, 459-466.	1.7	7
67	Opioid use trends in patients undergoing elective thoracic and lumbar spine surgery. Canadian Journal of Surgery, 2020, 63, E306-E312.	1.2	7
68	Operative Landscape at Canadian Neurosurgery Residency Programs. Canadian Journal of Neurological Sciences, 2017, 44, 415-419.	0.5	6
69	Modelling the backlog of COVID-19 cases for a surgical group. Canadian Journal of Surgery, 2020, 63, E391-E392.	1.2	5
70	Factors Associated with Recovery in Motor Strength, Walking Ability, and Bowel and Bladder Function after Traumatic Cauda Equina Injury. Journal of Neurotrauma, 2021, 38, 322-329.	3.4	5
71	Characterization of Hyperacute Neuropathic Pain after Spinal Cord Injury: A Prospective Study. Journal of Pain, 2022, 23, 89-97.	1.4	5
72	A nationwide prospective multicenter study of external ventricular drainage: accuracy, safety, and related complications. Journal of Neurosurgery, 2022, 137, 249-257.	1.6	5

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73	Does extending a posterior cervical fusion construct into the upper thoracic spine impact patient-reported outcomes as long as 2 years after surgery in patients with degenerative cervical myelopathy?. Journal of Neurosurgery: Spine, 2022, 37, 547-555.	1.7	5
74	Canadian neurosurgeonsâ€™ views on medical assistance in dying (MAID): a cross-sectional survey of Canadian Neurosurgical Society (CNSS) members. Journal of Medical Ethics, 2019, 45, 309-313.	1.8	4
75	National adverse event profile after lumbar spine surgery for lumbar degenerative disorders and comparison of complication rates between hospitals: a CSORN registry study. Journal of Neurosurgery: Spine, 2021, 35, 698-703.	1.7	4
76	Modic Change and Clinical Assessment Scores in Patients Undergoing Lumbar Surgery for Disk Herniation. Clinical Spine Surgery, 2021, 34, E205-E210.	1.3	4
77	Fulfillment of Patient Expectations After Spine Surgery is Critical to Patient Satisfaction: A Cohort Study of Spine Surgery Patients. Neurosurgery, 2022, 91, 173-181.	1.1	4
78	Consultation and Surgical Wait Times in Cervical Spondylotic Myelopathy. Canadian Journal of Neurological Sciences, 2019, 46, 430-435.	0.5	3
79	Factors Associated With Return to Work After Surgery for Degenerative Cervical Spondylotic Myelopathy: Cohort Analysis From the Canadian Spine Outcomes and Research Network. Global Spine Journal, 2022, 12, 573-578.	2.3	3
80	Back pain in surgically treated degenerative lumbar spondylolisthesis: what can we tell our patients?. Spine Journal, 2020, 20, 1940-1947.	1.3	3
81	Fractures of the upper thoracic spine: approaches and surgical management. Clinical Neurosurgery, 2005, 52, 171-6.	0.2	3
82	Design and implementation of synoptic operative report template using interoperable standards. Studies in Health Technology and Informatics, 2013, 183, 195-200.	0.3	3
83	Some nitro derivatives of 1,4â€benzodioxino[2,3â€b]pyridine. Crystal and molecular structure of 2,7,8â€trinitroâ€1,4â€benzodioxino[2,3â€b]pyridine. Journal of Heterocyclic Chemistry, 1994, 31, 717-723.	2.6	2
84	A Novel Cyclopropanation. Australian Journal of Chemistry, 1996, 49, 243.	0.9	2
85	Comparison of Clinical Outcomes Between Posterior Instrumented Fusion With and Without Interbody Fusion for Isthmic Spondylolisthesis. Clinical Spine Surgery, 2021, 34, E13-E18.	1.3	2
86	Surgical outcomes of patients who fail to reach minimal clinically important differences: comparison of minimally invasive versus open transforaminal lumbar interbody fusion. Journal of Neurosurgery: Spine, 2022, , 1-8.	1.7	2
87	Skull Base Hemangiopericytoma: Treatment Options. Canadian Journal of Neurological Sciences, 2010, 37, 131-134.	0.5	1
88	Occipital osteomylelitis and epidural abscess after occipital nerve block: A case report. Canadian Journal of Pain, 2018, 2, 57-61.	1.7	1
89	103. Factors associated with motor, sensory, bladder and bowel function recovery after traumatic cauda equina injury (TCEI). Spine Journal, 2019, 19, S49-S50.	1.3	1
90	The preliminary opinion of Canadian spine surgeons on Medical Assistance in Dying (MAID); a cross-sectional survey of Canadian Spine Society (CSS) members. North American Spine Society Journal (NASSJ), 2020, 4, 100037.	0.5	1

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91	Predictors of home discharge after scheduled surgery for degenerative cervical myelopathy. Journal of Neurosurgery: Spine, 2022, 37, 541-546.	1.7	1
92	Beneficial Effects of Preoperative Exercise on the Outcomes of Lumbar Fusion Spinal Surgery. Physiotherapy Canada Physiotherapie Canada, 0, , .	0.6	1
93	Advances and Technical Standards in Neurosurgery. Volume 31. 2006. Edited by J.D. Pickard, N. Akalan, C. Di Rocco, et al. Published by Springer Wien NewYork. 289 pages. Price C$200.. Canadian Journal of Neurological Sciences, 2007, 34, 110-111.	0.5	0
94	Role of Decompressive Surgery in Disorders Associated with Spinal Cord Lesions. , 0, , .		0
95	P125. Rates and predictors of return to work after surgery for cervical spondylotic myelopathy: analysis from the Canadian Spine Outcomes and Research Network (CSORN). Spine Journal, 2019, 19, S215-S216.	1.3	0
96	Disorders of the Spinal Cord and Nerve Roots. , 2010, , 539-545.		0
97	Case costing in spine surgery: Can surgeons assist with accurate capture of operating room costs?. Healthcare Management Forum, 2021, 34, 158-162.	1.4	0