

# Eve C Tsai

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

3,233  
citations

201674

27  
h-index

161849

54  
g-index

76  
all docs

76  
docs citations

76  
times ranked

3456  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Systematic Review of Cellular Transplantation Therapies for Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 1611-1682.	3.4	490
2	A management algorithm for patients with intracranial pressure monitoring: the Seattle International Severe Traumatic Brain Injury Consensus Conference (SIBICC). <i>Intensive Care Medicine</i> , 2019, 45, 1783-1794.	8.2	292
3	A management algorithm for adult patients with both brain oxygen and intracranial pressure monitoring: the Seattle International Severe Traumatic Brain Injury Consensus Conference (SIBICC). <i>Intensive Care Medicine</i> , 2020, 46, 919-929.	8.2	207
4	Matrix inclusion within synthetic hydrogel guidance channels improves specific supraspinal and local axonal regeneration after complete spinal cord transection. <i>Biomaterials</i> , 2006, 27, 519-533.	11.4	189
5	Synthetic Hydrogel Guidance Channels Facilitate Regeneration of Adult Rat Brainstem Motor Axons after Complete Spinal Cord Transection. <i>Journal of Neurotrauma</i> , 2004, 21, 789-804.	3.4	168
6	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> , 2015, 32, 645-654.	3.4	167
7	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> , 2017, 7, 195S-202S.	2.3	157
8	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> , 2017, 7, 203S-211S.	2.3	127
9	Health Conditions: Effect on Function, Health-Related Quality of Life, and Life Satisfaction After Traumatic Spinal Cord Injury. A Prospective Observational Registry Cohort Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 443-451.	0.9	92
10	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> , 2011, 28, 1525-1543.	3.4	83
11	Tumors of the skull base in children: review of tumor types and management strategies. <i>Neurosurgical Focus</i> , 2002, 12, 1-13.	2.3	72
12	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. <i>Journal of Neurotrauma</i> , 2014, 31, 1540-1547.	3.4	69
13	Precise control of miR-125b is required to create a regeneration-permissive environment after spinal cord injury. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 601-11.	2.4	64
14	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. <i>Global Spine Journal</i> , 2017, 7, 221S-230S.	2.3	59
15	A simplified clinical prediction rule for prognosticating independent walking after spinal cord injury: a prospective study from a Canadian multicenter spinal cord injury registry. <i>Spine Journal</i> , 2017, 17, 1383-1392.	1.3	56
16	Effect of older age on treatment decisions and outcomes among patients with traumatic spinal cord injury. <i>Cmaj</i> , 2015, 187, 873-880.	2.0	51
17	Novel intrathecal delivery system for treatment of spinal cord injury. <i>Experimental Neurology</i> , 2003, 182, 300-309.	4.1	48
18	Loss of STEP61 couples disinhibition to N-methyl-d-aspartate receptor potentiation in rodent and human spinal pain processing. <i>Brain</i> , 2019, 142, 1535-1546.	7.6	48

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19	A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury: Recommendations on the Type and Timing of Rehabilitation. <i>Global Spine Journal</i> , 2017, 7, 231S-238S.	2.3	47
20	Electrospun Biocomposite Polycaprolactone/Collagen Tubes as Scaffolds for Neural Stem Cell Differentiation. <i>Materials</i> , 2010, 3, 3714-3728.	2.9	44
21	Corticospinal Regeneration into Lumbar Grey Matter Correlates with Locomotor Recovery after Complete Spinal Cord Transection and Repair with Peripheral Nerve Grafts, Fibroblast Growth Factor 1, Fibrin Glue, and Spinal Fusion. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 230-244.	1.7	39
22	A Novel Method for Simultaneous Anterograde and Retrograde Labeling of Spinal Cord Motor Tracts in the Same Animal. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 1111-1122.	2.5	36
23	A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury: Recommendations on the Type and Timing of Anticoagulant Thromboprophylaxis. <i>Global Spine Journal</i> , 2017, 7, 212S-220S.	2.3	36
24	Impact of Baseline Magnetic Resonance Imaging on Neurologic, Functional, and Safety Outcomes in Patients With Acute Traumatic Spinal Cord Injury. <i>Global Spine Journal</i> , 2017, 7, 151S-174S.	2.3	35
25	Neuroprotection and Regeneration Strategies for Spinal Cord Repair. <i>Current Pharmaceutical Design</i> , 2005, 11, 1211-1222.	1.9	34
26	Spinal cord injuries related to cervical spine fractures in elderly patients: factors affecting mortality. <i>Spine Journal</i> , 2013, 13, 862-866.	1.3	33
27	Age-associated insolubility of parkin in human midbrain is linked to redox balance and sequestration of reactive dopamine metabolites. <i>Acta Neuropathologica</i> , 2021, 141, 725-754.	7.7	32
28	Pseudotumoral Chagasic Meningoencephalitis as the First Manifestation of Acquired Immunodeficiency Syndrome. <i>World Neurosurgery</i> , 1998, 49, 324-327.	1.3	31
29	In-Hospital Mortality for the Elderly with Acute Traumatic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 2332-2342.	3.4	31
30	Sexual dimorphism in a neuronal mechanism of spinal hyperexcitability across rodent and human models of pathological pain. <i>Brain</i> , 2022, 145, 1124-1138.	7.6	26
31	The pathogenesis of ankylosing spondylitis. <i>Neurosurgical Focus</i> , 2008, 24, E3.	2.3	25
32	Highlighting discrepancies in walking prediction accuracy for patients with traumatic spinal cord injury: an evaluation of validated prediction models using a Canadian Multicenter Spinal Cord Injury Registry. <i>Spine Journal</i> , 2019, 19, 703-710.	1.3	24
33	Ablation of LMO4 in glutamatergic neurons impairs leptin control of fat metabolism. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 819-828.	5.4	23
34	A Randomized Controlled Trial of Local Delivery of a Rho Inhibitor (VX-210) in Patients with Acute Traumatic Cervical Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 2065-2072.	3.4	22
35	Daily smoking and lower back pain in adult Canadians: the Canadian Community Health Survey. <i>Journal of Pain Research</i> , 2010, 3, 155.	2.0	20
36	Analysis of human satellite cell dynamics on cultured adult skeletal muscle myofibers. <i>Skeletal Muscle</i> , 2021, 11, 1.	4.2	20

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37	Viscosity-dependent cage reactions. Multiple substitutions in radical-chain chlorinations. <i>Journal of the American Chemical Society</i> , 1991, 113, 5397-5402.	13.7	19
38	Traumatic Spinal Cord Injury Care in Canada: A Survey of Canadian Centers. <i>Journal of Neurotrauma</i> , 2017, 34, 2848-2855.	3.4	19
39	Exploring the Unique Contrast Properties of Aptamer-Gadolinium Conjugates in Magnetic Resonance Imaging for Targeted Imaging of Thrombi. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9412-9424.	8.0	17
40	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. <i>Spine Journal</i> , 2018, 18, 88-98.	1.3	16
41	Postcraniotomy gas-containing brain abscess: a neurosurgical emergency. <i>World Neurosurgery</i> , 1999, 51, 568-570.	1.3	15
42	Target binding improves relaxivity in aptamer-gadolinium conjugates. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 1159-1175.	2.6	14
43	Nonseminomatous Germ Cell Tumor after Chemotherapy with Residual Mass Invading the Spine. <i>European Urology</i> , 2006, 50, 372-374.	1.9	13
44	Predicting Recruitment Feasibility for Acute Spinal Cord Injury Clinical Trials in Canada Using National Registry Data. <i>Journal of Neurotrauma</i> , 2017, 34, 599-606.	3.4	13
45	Conus Medullaris Teratoma with Utilization of Fiber Tractography: Case Report. <i>Journal of Neurological Surgery Reports</i> , 2015, 76, e183-e187.	0.6	11
46	Development of a Competence-Based Spine Surgery Fellowship Curriculum Set of Learning Objectives in Canada. <i>Spine</i> , 2016, 41, 530-537.	2.0	10
47	Assessment of Aptamer-Targeted Contrast Agents for Monitoring of Blood Clots in Computed Tomography and Fluoroscopy Imaging. <i>Bioconjugate Chemistry</i> , 2020, 31, 2737-2749.	3.6	7
48	Cage return and solvent viscosity. Effect of viscosity on polar effects inherent in benzylic bromination. <i>Journal of the American Chemical Society</i> , 1990, 112, 7369-7372.	13.7	6
49	Metastatic renal cell carcinoma mimicking a schwannoma in a dorsal root ganglion: case report. <i>Journal of Neurosurgery: Spine</i> , 2015, 22, 314-317.	1.7	6
50	Scale-Free Analysis of Intraoperative ECoG During Awake Craniotomy for Glioma. <i>Frontiers in Oncology</i> , 2020, 10, 625474.	2.8	6
51	Development of multifunctional nanoparticles towards applications in non-invasive magnetic resonance imaging and axonal tracing. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 1305-1316.	2.6	5
52	Insights into the suitability of utilizing brown rats ( <i>Rattus norvegicus</i> ) as a model for healing spinal cord injury with epidermal growth factor and fibroblast growth factor-II by predicting protein-protein interactions. <i>Computers in Biology and Medicine</i> , 2019, 104, 220-226.	7.0	5
53	A Guide to Extract Spinal Cord for Translational Stem Cell Biology Research: Comparative Analysis of Adult Human, Porcine, and Rodent Spinal Cord Stem Cells. <i>Frontiers in Neuroscience</i> , 2020, 14, 607.	2.8	5
54	Factors Associated with Recovery in Motor Strength, Walking Ability, and Bowel and Bladder Function after Traumatic Cauda Equina Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 322-329.	3.4	5

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55	Cage return and solvent viscosity and their importance in determining the kinetic deuterium isotope effect observed during benzylic bromination. <i>Journal of the American Chemical Society</i> , 1990, 112, 2736-2739.	13.7	4
56	Paramagnetic Quantum Dots as Multimodal Probes for Potential Applications in Nervous System Imaging. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 711-720.	3.7	4
57	P26. The Biomechanics of Insufficiency Fractures and Augmentation of the Sacrum. <i>Spine Journal</i> , 2006, 6, 96S.	1.3	3
58	Increased Prevalence of Chronic Disease in Back Pain Patients Living in Car-dependent Neighbourhoods in Canada: A Cross-sectional Analysis. <i>Journal of Preventive Medicine and Public Health</i> , 2018, 51, 227-233.	1.9	3
59	Fibrinogen aptamer functionalized gold-coated iron-oxide nanoparticles for targeted imaging of thrombi. <i>Chemical Communications</i> , 2022, 58, 2870-2873.	4.1	3
60	Hydatid cyst and brain tumor in the same location. <i>Journal of Neurosurgery</i> , 1997, 86, 312.	1.6	2
61	Advancements in Canadian Biomaterials Research in Neurotraumatic Diagnosis and Therapies. <i>Processes</i> , 2019, 7, 336.	2.8	2
62	Nonseminomatous Germ Cell Tumor after Chemotherapy with Residual Mass Invading the Spine: Part 2. <i>European Urology</i> , 2006, 50, 607-608.	1.9	1
63	Spinal Meningiomas. , 2009, , 529-539.		1
64	Results of Management of Syringomyelia: Long Term Clinical and MRI Followup in 89 Cases. <i>Neurosurgery</i> , 1999, 45, 711-711.	1.1	0
65	Fractional Anisotropy and Tractography. <i>Neurosurgery</i> , 2010, 67, 546-547.	1.1	0
66	Commentary: Complication Rates in Early Versus Late Cranioplasty—A 14-Year Single-Center Case Series. <i>Operative Neurosurgery</i> , 2021, 20, E279-E280.	0.8	0
67	755 Long Term Follow-up of Treated Posttraumatic Syringomyelia: Role of Magnetic Resonance Imaging in the Evaluation of Outcome. <i>Neurosurgery</i> , 2000, 47, 515-515.	1.1	0
68	Cervicomedullary Gliomas. , 2005, , 638-645.		0
69	Tumors of the Skull Base in Children. , 2010, , 615-628.		0
70	Nano-engineering Nanoparticles for Clinical Use in the Central Nervous System: Clinically Applicable Nanoparticles and Their Potential Uses in the Diagnosis and Treatment of CNS Aliments. , 2019, , 125-145.		0