

Daniel C Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12131140/publications.pdf>

Version: 2024-02-01

52
papers

2,649
citations

201385

27
h-index

223531

46
g-index

53
all docs

53
docs citations

53
times ranked

2725
citing authors

#	ARTICLE	IF	CITATIONS
1	A second cytotoxic proteolytic peptide derived from amyloid β -protein precursor. <i>Nature Medicine</i> , 2000, 6, 397-404.	15.2	396
2	Noninvasive Reactivation of Motor Descending Control after Paralysis. <i>Journal of Neurotrauma</i> , 2015, 32, 1968-1980.	1.7	236
3	Molecular and cellular development of spinal cord locomotor circuitry. <i>Frontiers in Molecular Neuroscience</i> , 2015, 8, 25.	1.4	163
4	Weight Bearing Over-ground Stepping in an Exoskeleton with Non-invasive Spinal Cord Neuromodulation after Motor Complete Paraplegia. <i>Frontiers in Neuroscience</i> , 2017, 11, 333.	1.4	131
5	THE USE OF ALLOGRAFT OR AUTOGRAFT AND EXPANDABLE TITANIUM CAGES FOR THE TREATMENT OF VERTEBRAL OSTEOMYELITIS. <i>Neurosurgery</i> , 2009, 64, 122-130.	0.6	126
6	Engaging Cervical Spinal Cord Networks to Reenable Volitional Control of Hand Function in Tetraplegic Patients. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 951-962.	1.4	123
7	Initiation and modulation of locomotor circuitry output with multisite transcutaneous electrical stimulation of the spinal cord in noninjured humans. <i>Journal of Neurophysiology</i> , 2015, 113, 834-842.	0.9	120
8	Impaired olfaction in mice lacking aquaporin-4 water channels. <i>FASEB Journal</i> , 2008, 22, 3216-3223.	0.2	93
9	Caspase cleavage of the amyloid precursor protein modulates amyloid β -protein toxicity. <i>Journal of Neurochemistry</i> , 2003, 87, 733-741.	2.1	91
10	Amyloid β protein toxicity mediated by the formation of amyloid- β protein precursor complexes. <i>Annals of Neurology</i> , 2003, 54, 781-789.	2.8	87
11	A comparison of mini-open and open approaches for resection of thoracolumbar intradural spinal tumors. <i>Journal of Neurosurgery: Spine</i> , 2011, 14, 758-764.	0.9	77
12	Electrical neuromodulation of the cervical spinal cord facilitates forelimb skilled function recovery in spinal cord injured rats. <i>Experimental Neurology</i> , 2017, 291, 141-150.	2.0	63
13	Engaging cervical spinal circuitry with non-invasive spinal stimulation and buspirone to restore hand function in chronic motor complete patients. <i>Scientific Reports</i> , 2018, 8, 15546.	1.6	63
14	Rotational Vertebral Artery Occlusion—Series of 9 Cases. <i>Neurosurgery</i> , 2010, 67, 1066-1072.	0.6	57
15	Initiation of Bladder Voiding with Epidural Stimulation in Paralyzed, Step Trained Rats. <i>PLoS ONE</i> , 2014, 9, e108184.	1.1	56
16	The Amyloidogenic Pathway of Amyloid Precursor Protein (APP) Is Independent of Its Cleavage by Caspases. <i>Journal of Biological Chemistry</i> , 2001, 276, 29045-29050.	1.6	55
17	Aquaporin-4 Reduces Post-Traumatic Seizure Susceptibility by Promoting Astrocytic Glial Scar Formation in Mice. <i>Journal of Neurotrauma</i> , 2021, 38, 1193-1201.	1.7	55
18	Flatback Syndrome. <i>Neurosurgery Clinics of North America</i> , 2007, 18, 289-294.	0.8	52

#	ARTICLE	IF	CITATIONS
19	Mini-open removal of extradural foraminal tumors of the lumbar spine. <i>Journal of Neurosurgery: Spine</i> , 2009, 10, 46-50.	0.9	44
20	Corpectomy followed by the placement of instrumentation with titanium cages and recombinant human bone morphogenetic protein ² for vertebral osteomyelitis. <i>Journal of Neurosurgery: Spine</i> , 2007, 6, 23-30.	0.9	43
21	Esophageal erosion 9 years after anterior cervical plate implantation. <i>World Neurosurgery</i> , 2008, 69, 310-312.	1.3	43
22	Minimally invasive compared to open microdiscectomy for lumbar disc herniation. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 81-84.	0.8	42
23	Free-hand thoracic pedicle screws placed by neurosurgery residents: a CT analysis. <i>European Spine Journal</i> , 2010, 19, 821-827.	1.0	41
24	Clinical presentation and surgical management of intramedullary spinal cord cavernous malformations. <i>Neurosurgical Focus</i> , 2010, 29, E12.	1.0	40
25	A Proof-of-Concept Study of Transcutaneous Magnetic Spinal Cord Stimulation for Neurogenic Bladder. <i>Scientific Reports</i> , 2018, 8, 12549.	1.6	34
26	Objectively quantifying walking ability in degenerative spinal disorder patients using sensor equipped smart shoes. <i>Medical Engineering and Physics</i> , 2016, 38, 442-449.	0.8	33
27	Cerebral salt wasting and elevated brain natriuretic peptide levels after traumatic brain injury: 2 case reports. <i>World Neurosurgery</i> , 2008, 69, 226-229.	1.3	32
28	Use of multivariate linear regression and support vector regression to predict functional outcome after surgery for cervical spondylotic myelopathy. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 1444-1449.	0.8	32
29	Minimally invasive decompression of a suboccipital osseous prominence causing rotational vertebral artery occlusion. <i>Journal of Neurosurgery: Pediatrics</i> , 2009, 4, 191-195.	0.8	22
30	Rotational vertebral artery occlusion secondary to adjacent-level degeneration following anterior cervical discectomy and fusion. <i>Journal of Neurosurgery: Spine</i> , 2014, 20, 714-721.	0.9	21
31	Neuromodulation of the Lumbar Spinal Locomotor Circuit. <i>Neurosurgery Clinics of North America</i> , 2014, 25, 15-23.	0.8	20
32	Surgical seroma formation following posterior cervical laminectomy and fusion without rhBMP-2. <i>Journal of Neurosurgery: Spine</i> , 2013, 19, 297-300.	0.9	15
33	Bone morphogenetic protein for salvage fusion in an infant with Down syndrome and craniovertebral instability. <i>Journal of Neurosurgery: Pediatrics</i> , 2007, 106, 480-483.	0.8	13
34	Quantitative assessment of hand motor function in cervical spinal disorder patients using target tracking tests. <i>Journal of Rehabilitation Research and Development</i> , 2016, 53, 1007-1022.	1.6	13
35	Rehabilitation of hand function after spinal cord injury using a novel handgrip device: a pilot study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017, 14, 22.	2.4	13
36	Clinical results of cervical laminectomy and fusion for the treatment of cervical spondylotic myelopathy in 58 consecutive patients. , 2014, 5, 133.		12

#	ARTICLE	IF	CITATIONS
37	The Transspinous Mini-Open Approach for Resection of Intradural Spinal Neoplasms: Cadaveric Feasibility Study and Report of 3 Clinical Cases. <i>World Neurosurgery</i> , 2010, 74, 195-199.	0.7	11
38	Postoperative Cerebrospinal Fluid Leak Rates with Subfascial Epidural Drain Placement after Intentional Durotomy in Spine Surgery. <i>Global Spine Journal</i> , 2016, 6, 780-785.	1.2	11
39	Primary lung metastasis of glioblastoma multiforme with epidural spinal metastasis: Case report. <i>Journal of Clinical Neuroscience</i> , 2017, 41, 97-99.	0.8	10
40	Minimal handgrip force is needed for transcutaneous electrical stimulation to improve hand functions of patients with severe spinal cord injury. <i>Scientific Reports</i> , 2022, 12, 7733.	1.6	10
41	Modulation of respiratory output by cervical epidural stimulation in the anesthetized mouse. <i>Journal of Applied Physiology</i> , 2016, 121, 1272-1281.	1.2	9
42	Machine learning classifies predictive kinematic features in a mouse model of neurodegeneration. <i>Scientific Reports</i> , 2021, 11, 3950.	1.6	9
43	Comparison of operating field sterility in open versus minimally invasive microdiscectomies of the lumbar spine. , 2013, 4, 295.		6
44	Cervical artificial disc extrusion after a paragliding accident. , 2017, 8, 138.		6
45	Utilization of a novel digital measurement tool for quantitative assessment of upper extremity motor dexterity: a controlled pilot study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 121.	2.4	5
46	Serotonergic Facilitation of Forelimb Functional Recovery in Rats with Cervical Spinal Cord Injury. <i>Neurotherapeutics</i> , 2021, 18, 1226-1243.	2.1	4
47	Epidural electrical stimulation of the cervical spinal cord opposes opioid-induced respiratory depression. <i>Journal of Physiology</i> , 2022, 600, 2973-2999.	1.3	4
48	Objective assessment of overexcited hand movements using a lightweight sensory device. , 2013, , .		2
49	Aspiration of sterile post-operative spinal fluid collections using low-dose computed tomography guidance. <i>Journal of Clinical Neuroscience</i> , 2018, 57, 202-207.	0.8	2
50	Minimally invasive surgical decompression for lumbar spinal metastases. , 2013, 4, 78.		2
51	C2 translaminar screw fixation in pediatric occipitocervical fusion. <i>Child's Nervous System</i> , 2022, 38, 1125-1135.	0.6	1
52	Strategies and lessons in spinal cord injury rehabilitation. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2015, 3, 206-213.	0.3	0