Iahn Cajigas

List of Publications by Year
in descending order

67	1,041	516710 16	477307 29
papers	citations	h-index	g-index

72	72	72	1239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	One-donor, two-recipient extracranial-intracranial bypass series for moyamoya and cerebral occlusive disease: rationale, clinical and angiographic outcomes, and intraoperative blood flow analysis. Journal of Neurosurgery, 2022, 136, 627-636.	1.6	11
2	Intracranial Hypertension After Primary Decompressive Craniectomy for Head Trauma. World Neurosurgery, 2022, 157, e351-e356.	1.3	3
3	Longâ€term seizure and psychiatric outcomes following laser ablation of mesial temporal structures. Epilepsia, 2022, 63, 812-823.	5.1	13
4	Machine learning to predict passenger mortality and hospital length of stay following motor vehicle collision. Neurosurgical Focus, 2022, 52, E12.	2.3	1
5	A multiparametric pharmacogenomic strategy for drug repositioning predicts therapeutic efficacy for glioblastoma cell lines. Neuro-Oncology Advances, 2022, 4, vdab192.	0.7	0
6	Design-development of an at-home modular brainâ€“computer interface (BCI) platform in a case study of cervical spinal cord injury. Journal of NeuroEngineering and Rehabilitation, 2022, 19, .	4.6	5
7	Closed-Loop Cognitive Stress Regulation Using Fuzzy Control in Wearable-Machine Interface Architectures. IEEE Access, 2021, 9, 106202-106219.	4.2	10
8	Deep Brain Stimulation for Parkinsonâ€™s Disease: Clinical Efficacy and Future Directions for Enhancing Motor Function. Contemporary Clinical Neuroscience, 2021, , 463-483.	0.3	0
9	Commentary: A Novel Intraoperative Brain Mapping Integrated Task-Presentation Platform. Operative Neurosurgery, 2021, 20, E340-E341.	0.8	1
10	Lateral retroperitoneal approach for surgical treatment of lumbar diskitis/osteomyelitis with post-infectious spinal deformity. Seminars in Spine Surgery, 2021, 33, 100853.	0.2	0
11	Deep learning for robust detection of interictal epileptiform discharges. Journal of Neural Engineering, 2021, 18, 056015.	3.5	28
12	Short lever arm, bipedicular handlebar construct for correction of acute angular kyphosis in spondylodiscitis-induced kyphotic deformity: illustrative case. Journal of Neurosurgery Case Lessons, 2021, 1, .	0.3	0
13	MR Tractography-Based Targeting and Physiological Identification of the Cuneiform Nucleus for Directional DBS in a Parkinsonâ€™s Disease Patient With Levodopa-Resistant Freezing of Gait. Frontiers in Human Neuroscience, 2021, 15, 676755.	2.0	11
14	Deep brain stimulation of the Cuneiform nucleus for levodopa-resistant freezing of gait in Parkinsonâ€™s disease: study protocol for a prospective, pilot trial. Pilot and Feasibility Studies, 2021, 7, 117.	1.2	9
15	Brain-Computer Interface, Neuromodulation, and Neurorehabilitation Strategies for Spinal Cord Injury. Neurosurgery Clinics of North America, 2021, 32, 407-417.	1.7	3
16	Ventriculostomy supply cart decreases time-to-external ventricular drain placement in the emergency department. , 2021, 12, 362.		3
17	Neural fragility as an EEG marker of the seizure onset zone. Nature Neuroscience, 2021, 24, 1465-1474.	14.8	61
18	Freezing of Gait in Parkinsonâ€™s Disease: Invasive and Noninvasive Neuromodulation. Neuromodulation, 2021, 24, 829-842.	0.8	21

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19	Implantable brainâ€“computer interface for neuroprosthetic-enabled volitional hand grasp restoration in spinal cord injury. Brain Communications, 2021, 3, fcab248.	3.3	18
20	Effects of an external ventricular drain alert protocol on venticulostomy placement time in the emergency department. Neurosurgical Focus, 2021, 51, E4.	2.3	1
21	Prolonged tracheal extubation time after glioma surgery was associated with lack of familiarity between the anesthesia provider and the operating neurosurgeon. A retrospective, observational study. Journal of Clinical Anesthesia, 2020, 60, 118-124.	1.6	14
22	Bridging the Divide. Academic Medicine, 2020, 95, 548-552.	1.6	0
23	Postoperative Sexual Activity Recommendations: Survey of Neurosurgeons/Spine Surgeons. World Neurosurgery, 2020, 141, e70-e75.	1.3	1
24	Dissecting Brainstem Locomotor Circuits: Converging Evidence for Cuneiform Nucleus Stimulation. Frontiers in Systems Neuroscience, 2020, 14, 64.	2.5	26
25	Pituitary Apoplexy and Cerebral Infarction: Case Report and Literature Review. World Neurosurgery, 2020, 141, 73-80.	1.3	8
26	The Risk of Peripheral Nerve Tumor Biopsy in Suspected Benign Etiologies. Neurosurgery, 2020, 86, E326-E332.	1.1	18
27	Cognitive outcomes following laser interstitial therapy for mesiotemporal epilepsies. Neurology: Clinical Practice, 2020, 10, 314-323.	1.6	10
28	Robot-Driven Locomotor Perturbations Reveal Synergy-Mediated, Context-Dependent Feedforward and Feedback Mechanisms of Adaptation. Scientific Reports, 2020, 10, 5104.	3.3	18
29	Effects of menopausal state on lumbar decompression and fusion surgery. Journal of Clinical Neuroscience, 2020, 77, 157-162.	1.5	2
30	Individualized Anatomy-Based Targeting for VIM-cZI DBS in Essential Tremor. World Neurosurgery, 2020, 140, e225-e233.	1.3	7
31	Endoscopic third ventriculostomy with choroid plexus cauterization for the treatment of infantile hydrocephalus in Haiti. Journal of Neurosurgery: Pediatrics, 2020, 25, 411-416.	1.3	6
32	Predictive modeling of brain tumor laser ablation dynamics. Journal of Neuro-Oncology, 2019, 144, 193-203.	2.9	10
33	Analysis of intra-operative variables as predictors of 30-day readmission in patients undergoing glioma surgery at a single center. Journal of Neuro-Oncology, 2019, 145, 509-518.	2.9	8
34	Preoperative Magnetic Resonance Imaging Based Predictive Modeling of Brain Tumor Laser Ablation. Neurosurgery, 2019, 66, 310-808.	1.1	0
35	Synovial Sarcoma of the Nerveâ€"Clinical and Pathological Features: Case Series and Systematic Review. Neurosurgery, 2019, 85, E975-E991.	1.1	6
36	A Fully Implantable Brain Machine Interface for Volitional Hand Grasp Restoration in Cervical Quadriplegia. Neurosurgery, 2019, 66, 310-148.	1.1	0

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37	Gender Disparities in Deep Brain Stimulation for Parkinsonâ€™s Disease. Neuromodulation, 2019, 22, 484-488.	0.8	28
38	Effects of surgical targeting in laser interstitial thermal therapy for mesial temporal lobe epilepsy: A multicenter study of 234 patients. Epilepsia, 2019, 60, 1171-1183.	5.1	132
39	Magnetic Resonanceâ€“Guided Laser Interstitial Thermal Therapy for Mesial Temporal Epilepsy: A Case Series Analysis of Outcomes and Complications at 2-Year Follow-Up. World Neurosurgery, 2019, 126, e1121-e1129.	1.3	20
40	Interlaminar stabilization and decompression for the treatment of bilateral juxtafacet cysts: Case report and literature review. International Journal of Surgery Case Reports, 2019, 57, 155-159.	0.6	5
41	Clinically Significant Visual Deficits after Laser Interstitial Thermal Therapy for Mesiotemporal Epilepsy. Stereotactic and Functional Neurosurgery, 2019, 97, 347-355.	1.5	10
42	Accuracy of frame-based and frameless systems for deep brain stimulation: A meta-analysis. Journal of Clinical Neuroscience, 2018, 57, 1-5.	1.5	21
43	Prospective Study of Nonbeneficial Care in Neurocritical Care Unit. World Neurosurgery, 2018, 119, e60-e63.	1.3	3
44	Surgical Treatment of Intramedullary Spinal Metastasis in Medulloblastoma: Case Report and Review of the Literature. World Neurosurgery, 2018, 118, 42-46.	1.3	13
45	Ablation dynamics during laser interstitial thermal therapy for mesiotemporal epilepsy. PLoS ONE, 2018, 13, e0199190.	2.5	20
46	Presurgical hyperconnectivity of the ablation volume is associated with seizure-freedom after magnetic resonance-guided laser interstitial thermal therapy. Seizure: the Journal of the British Epilepsy Association, 2018, 61, 89-93.	2.0	14
47	Laser thermal ablation for mesiotemporal epilepsy: Analysis of ablation volumes and trajectories. Epilepsia, 2017, 58, 801-810.	5.1	136
48	Subthalamic nucleus deep brain stimulation for the treatment of secondary dystonia: A case series and review of literature. Brain Stimulation, 2017, 10, 870-872.	1.6	5
49	Robot-induced perturbations of human walking reveal a selective generation of motor adaptation. Science Robotics, 2017, 2, .	17.6	40
50	Presurgical thalamocortical connectivity is associated with response to vagus nerve stimulation in children with intractable epilepsy. NeuroImage: Clinical, 2017, 16, 634-642.	2.7	62
51	Visual Deficit From Laser Interstitial Thermal Therapy for Temporal Lobe Epilepsy: Anatomical Considerations. Operative Neurosurgery, 2017, 13, 627-633.	0.8	31
52	Intraoperative Imaging in Traumatic Peripheral Nerve Lesions: Correlating Histologic Cross-Sections with High-Resolution Ultrasound. Operative Neurosurgery, 2017, 13, 196-203.	0.8	7
53	215 Laser Thermal Ablation for Mesiotemporal Epilepsy. Neurosurgery, 2017, 64, 258.	1.1	0
54	Combining transcranial direct current stimulation and gravity-supported, computer-enhanced arm training in a chronic pediatric stroke survivor: a case report. Clinical Case Reports and Reviews, 2016, 2, .	0.1	0

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55	Adaptation to elastic loads and BMI robot controls during rat locomotion examined with point-process GLMs. Frontiers in Systems Neuroscience, 2015, 9, 62.	2.5	5
56	Allergy to Prolene Sutures in a Dural Graft for Chiari Decompression. Case Reports in Medicine, 2015, 2015, 1-3.	0.7	4
57	Robotic Gait Rehabilitation Trainer. IEEE/ASME Transactions on Mechatronics, 2014, 19, 490-499.	5.8	58
58	Guest Editorial: From neuroscience to neuro-rehabilitation: transferring basic neuroscientific principles from laboratory to bedside. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 6.	4.6	3
59	Healthy Subject Testing with the Robotic Gait Rehabilitation (RGR) Trainer. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , 341-348.	0.6	1
60	Erratum (â€œA State-Space Analysis for Reconstruction of Goal-Directed Movements Using Neural) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1106-1107.	2.2	1
61	nSTAT: Open-source neural spike train analysis toolbox for Matlab. Journal of Neuroscience Methods, 2012, 211, 245-264.	2.5	37
62	Design of a Gait Training device for control of pelvic obliquity. , 2012, 2012, 3620-3.		3
63	Design of human — Machine interface and altering of pelvic obliquity with RGR Trainer. , 2011, 2011, 5975496.		3
64	Assessment of lower extremity motor adaptation via an extension of the Force Field Adaptation Paradigm. , 2010, 2010, 4522-5.		9
65	Robotically generated force fields for stroke patient pelvic obliquity gait rehabilitation. , 2010, , .		9
66	Gait Rehabilitation therapy using robot generated force fields applied at the pelvis. , 2010, , .		21
67	Individualized Formative Assessment In Online Module Improves Learning Of Glomerular Filtration. , 0, , .		1