

Andrew L Ko

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

4,331
citations

186265

28
h-index

155660

55
g-index

89
all docs

89
docs citations

89
times ranked

6356
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of laser interstitial thermal therapy for mesial temporal lobe epilepsy on the structural connectome and its relationship to seizure freedom. <i>Epilepsia</i> , 2022, 63, 176-189.	5.1	5
2	Higher risk of acute kidney injury and death with rhabdomyolysis in severely burned patients. <i>Surgery</i> , 2022, 171, 1412-1416.	1.9	6
3	Motor BMIs Have Entered the Clinical Realm. , 2022, , 1-37.		1
4	Local connectivity and synaptic dynamics in mouse and human neocortex. <i>Science</i> , 2022, 375, eabj5861.	12.6	124
5	Acute Postoperative Seizures and Engel Class Outcome at 1 Year Postselective Laser Amygdalohippocampal Ablation for Mesial Temporal Lobe Epilepsy. <i>Neurosurgery</i> , 2022, 91, 347-354.	1.1	3
6	Functional enhancer elements drive subclass-selective expression from mouse to primate neocortex. <i>Cell Reports</i> , 2021, 34, 108754.	6.4	88
7	Intraoperative Characterization of Subthalamic Nucleus-to-Cortex Evoked Potentials in Parkinsonâ€™s Disease Deep Brain Stimulation. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 590251.	2.0	6
8	In Reply to Letter to Editor Regarding â€œEconomic Impact of COVID-19 on a High-Volume Academic Neurosurgical Practiceâ€• <i>World Neurosurgery</i> , 2021, 149, 278.	1.3	0
9	Nonsurvival Distributions in Pediatric Burn Patients: A Comparative Study of Two National Databases. <i>Journal of Burn Care and Research</i> , 2021, 42, 1087-1092.	0.4	0
10	Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. <i>Neuron</i> , 2021, 109, 2914-2927.e5.	8.1	54
11	Human neocortical expansion involves glutamatergic neuron diversification. <i>Nature</i> , 2021, 598, 151-158.	27.8	160
12	Comparative cellular analysis of motor cortex in human, marmoset and mouse. <i>Nature</i> , 2021, 598, 111-119.	27.8	361
13	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021, 598, 86-102.	27.8	316
14	Robustness of Beta Desynchronization from Chronically Implanted Cortical Electrodes on Multiple Time Scales. , 2021, 2021, 6041-6044.		2
15	Closing the Loop With Cortical Sensing: The Development of Adaptive Deep Brain Stimulation for Essential Tremor Using the Activa PC+S. <i>Frontiers in Neuroscience</i> , 2021, 15, 749705.	2.8	4
16	Differentiation of epileptic regions from voluntary high-gamma activation via interictal cross-frequency windowed power-power correlation. <i>Journal of Neurosurgery</i> , 2020, 133, 43-53.	1.6	1
17	Stereotactic Brain Biopsy Hemorrhage Risk Factors and Implications for Postoperative Care at a Single Institution: An Argument For Postoperative Imaging. <i>World Neurosurgery</i> , 2020, 144, e807-e812.	1.3	5
18	Concurrent Deep Brain Stimulation Reduces the Direct Cortical Stimulation Necessary for Motor Output. <i>Movement Disorders</i> , 2020, 35, 2348-2353.	3.9	7

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19	Evaluating angioarchitectural characteristics of glial and metastatic brain tumors with conventional magnetic resonance imaging. <i>Journal of Clinical Neuroscience</i> , 2020, 76, 46-52.	1.5	3
20	A Pilot Study on Data-Driven Adaptive Deep Brain Stimulation in Chronically Implanted Essential Tremor Patients. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 541625.	2.0	14
21	Rebound effect in deep brain stimulation for essential tremor and symptom severity estimation from neural data. , 2020, 2020, 3621-3624.		2
22	Multicenter validation of automated trajectories for selective laser amygdalohippocampectomy. <i>Epilepsia</i> , 2019, 60, 1949-1959.	5.1	15
23	In Reply: The Spectrum of Trigeminal Neuralgia Without Neurovascular Compression. <i>Neurosurgery</i> , 2019, 85, E800-E801.	1.1	4
24	Deep Neural Networks for Context-Dependent Deep Brain Stimulation. , 2019, , .		7
25	Commentary: Gamma Knife Radiosurgery for Multiple Sclerosis-Associated Trigeminal Neuralgia. <i>Neurosurgery</i> , 2019, 85, E941-E942.	1.1	2
26	Strategies to Mitigate Toxicities From Stereotactic Body Radiation Therapy for Spine Metastases. <i>Neurosurgery</i> , 2019, 85, 729-740.	1.1	12
27	Conserved cell types with divergent features in human versus mouse cortex. <i>Nature</i> , 2019, 573, 61-68.	27.8	1,198
28	Use of Dexmedetomidine for Postoperative Pain Management Following Spine Fusion Surgery in a Highly Opioid-Tolerant Patient. <i>Journal of Pain and Palliative Care Pharmacotherapy</i> , 2019, 33, 49-53.	0.8	2
29	Standard Free Versus Osteoplastic Craniotomy: Assessment of Complication Rates During Intracranial Electroencephalogram Electrode Placement for Seizure Localization. <i>World Neurosurgery</i> , 2019, 132, e599-e603.	1.3	4
30	Effects of surgical targeting in laser interstitial thermal therapy for mesial temporal lobe epilepsy: A multicenter study of 234 patients. <i>Epilepsia</i> , 2019, 60, 1171-1183.	5.1	132
31	Spontaneous Variation in Electrocorticographic Resting-State Connectivity. <i>Brain Connectivity</i> , 2019, 9, 488-499.	1.7	4
32	The Spectrum of Trigeminal Neuralgia Without Neurovascular Compression. <i>Neurosurgery</i> , 2019, 85, E553-E559.	1.1	27
33	Dorsal Root Entry Zone Lesioning for Brachial Plexus Avulsion Pain. , 2019, , 77-84.		0
34	Direct stimulation of somatosensory cortex results in slower reaction times compared to peripheral touch in humans. <i>Scientific Reports</i> , 2019, 9, 3292.	3.3	27
35	A machine-learning approach to volitional control of a closed-loop deep brain stimulation system. <i>Journal of Neural Engineering</i> , 2019, 16, 016004.	3.5	39
36	Image-Guided, Asleep Deep Brain Stimulation. <i>Progress in Neurological Surgery</i> , 2018, 33, 94-106.	1.3	8

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37	Timing of cranioplasty: a 10.75-year single-center analysis of 754 patients. <i>Journal of Neurosurgery</i> , 2018, 128, 1648-1652.	1.6	84
38	Low-Grade Gliomas. , 2018, , 573-579.e1.		2
39	h-Channels Contribute to Divergent Intrinsic Membrane Properties of Supragranular Pyramidal Neurons in Human versus Mouse Cerebral Cortex. <i>Neuron</i> , 2018, 100, 1194-1208.e5.	8.1	134
40	Surgery for Temporal Lobe Epilepsy. , 2018, , 761-770.e2.		0
41	Asleep Deep Brain Stimulation Reduces Incidence of Intracranial Air during Electrode Implantation. <i>Stereotactic and Functional Neurosurgery</i> , 2018, 96, 83-90.	1.5	30
42	A robust ex vivo experimental platform for molecular-genetic dissection of adult human neocortical cell types and circuits. <i>Scientific Reports</i> , 2018, 8, 8407.	3.3	77
43	Approaches to closed-loop deep brain stimulation for movement disorders. <i>Neurosurgical Focus</i> , 2018, 45, E2.	2.3	42
44	Sparse recurrent excitatory connectivity in the microcircuit of the adult mouse and human cortex. <i>ELife</i> , 2018, 7, .	6.0	142
45	Brain Metastasis. , 2018, , 586-592.e1.		0
46	Cortical Brainâ€“Computer Interface for Closed-Loop Deep Brain Stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 2180-2187.	4.9	66
47	Is That the Same Person? Case Studies in Neurosurgery. <i>AJOB Neuroscience</i> , 2017, 8, 160-170.	1.1	19
48	Factors Affecting Stereotactic Accuracy in Image-Guided Deep Brain Stimulator Electrode Placement. <i>Stereotactic and Functional Neurosurgery</i> , 2017, 95, 315-324.	1.5	16
49	Risk of Complications with Simultaneous Cranioplasty and Placement of Ventriculoperitoneal Shunt. <i>World Neurosurgery</i> , 2017, 107, 830-833.	1.3	15
50	Laser Interstitial Thermal Therapy for Epilepsy. <i>Current Neurology and Neuroscience Reports</i> , 2017, 17, 63.	4.2	34
51	Chronic electrocorticography for sensing movement intention and closed-loop deep brain stimulation with wearable sensors in an essential tremor patient. <i>Journal of Neurosurgery</i> , 2017, 127, 580-587.	1.6	105
52	Classifier-based closed-loop deep brain stimulation for essential tremor. , 2017, , .		8
53	Demonstration of a stable chronic electrocorticography-based brain-computer interface using a deep brain stimulator. , 2016, , .		3
54	Regional Patterns of Cortical Phase Synchrony in the Resting State. <i>Brain Connectivity</i> , 2016, 6, 470-481.	1.7	14

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55	Safety and clinical response of intraventricular caspofungin for <i>Scedosporium apiospermum</i> complex central nervous system infection. <i>Medical Mycology Case Reports</i> , 2016, 13, 1-4.	1.3	7
56	Controlling our brains – a case study on the implications of brain-computer interface-triggered deep brain stimulation for essential tremor. <i>Brain-Computer Interfaces</i> , 2016, 3, 165-170.	1.8	19
57	Correlation of preoperative MRI with the long-term outcomes of dorsal root entry zone lesioning for brachial plexus avulsion pain. <i>Journal of Neurosurgery</i> , 2016, 124, 1470-1478.	1.6	20
58	Predictors of infection after 754 cranioplasty operations and the value of intraoperative cultures for cryopreserved bone flaps. <i>Journal of Neurosurgery</i> , 2016, 125, 766-770.	1.6	54
59	Directional patterns of cross frequency phase and amplitude coupling within the resting state mimic patterns of fMRI functional connectivity. <i>NeuroImage</i> , 2016, 128, 238-251.	4.2	38
60	Safety and efficacy of carmustine (BCNU) wafers for metastatic brain tumors. , 2016, 7, 295.		13
61	Radiofrequency Gangliolysis of the Trigeminal Nerve for Trigeminal Neuralgia. , 2016, , 75-83.		0
62	Trigeminal neuralgia without neurovascular compression presents earlier than trigeminal neuralgia with neurovascular compression. <i>Journal of Neurosurgery</i> , 2015, 123, 1519-1527.	1.6	62
63	Deep brain stimulation for psychiatric disorders: where we are now. <i>Neurosurgical Focus</i> , 2015, 38, E2.	2.3	73
64	Long-term efficacy and safety of internal neurolysis for trigeminal neuralgia without neurovascular compression. <i>Journal of Neurosurgery</i> , 2015, 122, 1048-1057.	1.6	131
65	Peripheral Nerve Surgery for Pain. , 2015, , 53-70.		1
66	Traumatic Fracture of a Polymethyl Methacrylate Patient-Specific Cranioplasty Implant. <i>World Neurosurgery</i> , 2014, 82, 536.e11-536.e13.	1.3	11
67	Two patients with primary sellar leiomyomas, a rare entity. <i>Journal of Clinical Neuroscience</i> , 2013, 20, 897-901.	1.5	5
68	Identifying Functional Networks Using Endogenous Connectivity in Gamma Band Electroencephalography. <i>Brain Connectivity</i> , 2013, 3, 491-502.	1.7	33
69	Intracerebral Abscess Associated With the Camino Intracranial Pressure Monitor: Case Report and Review of the Literature. <i>Neurosurgery</i> , 2012, 71, E193-E198.	1.1	23
70	Freehand placement of depth electrodes using electromagnetic frameless stereotactic guidance. <i>Journal of Neurosurgery: Pediatrics</i> , 2011, 8, 464-467.	1.3	8
71	Quasi-periodic Fluctuations in Default Mode Network Electrophysiology. <i>Journal of Neuroscience</i> , 2011, 31, 11728-11732.	3.6	57
72	An Intracranial Aneurysm and Dural Arteriovenous Fistula in a Newborn. <i>Pediatric Neurosurgery</i> , 2010, 46, 450-456.	0.7	15

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73	Endoscopic repair of a rare basioccipital meningocele associated with recurrent meningitis. <i>Journal of Neurosurgery: Pediatrics</i> , 2010, 6, 188-192.	1.3	13
74	Human motor evoked potential responses following spinal cord transection: an in vivo study. <i>Neurosurgical Focus</i> , 2010, 29, E4.	2.3	9
75	Retrospective Review of Multilevel Spinal Fusion Combined With Spinal Cord Transection for Treatment of Kyphoscoliosis in Pediatric Myelomeningocele Patients. <i>Spine</i> , 2007, 32, 2493-2501.	2.0	45
76	Androgenic Suppression of ATP-binding Cassette Transporter A1 Expression in LNCaP Human Prostate Cancer Cells. <i>Cancer Research</i> , 2004, 64, 7682-7685.	0.9	71
77	Transcriptional regulation of farnesyl pyrophosphate synthase by liver X receptors. <i>Steroids</i> , 2003, 68, 685-691.	1.8	14