

Alexander L Green

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5871134/publications.pdf>

Version: 2024-02-01

119
papers

5,703
citations

81743

39
h-index

91712

69
g-index

125
all docs

125
docs citations

125
times ranked

4744
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive deep brain stimulation in advanced Parkinson disease. <i>Annals of Neurology</i> , 2013, 74, 449-457.	2.8	1,046
2	Stimulating at the right time: phase-specific deep brain stimulation. <i>Brain</i> , 2017, 140, 132-145.	3.7	213
3	Deep brain stimulation for the alleviation of post-stroke neuropathic pain. <i>Pain</i> , 2006, 120, 202-206.	2.0	161
4	Long-term Outcomes of Deep Brain Stimulation for Neuropathic Pain. <i>Neurosurgery</i> , 2013, 72, 221-231.	0.6	161
5	Subthalamic nucleus phase-amplitude coupling correlates with motor impairment in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2016, 127, 2010-2019.	0.7	159
6	Alpha oscillations in the pedunculo-pontine nucleus correlate with gait performance in parkinsonism. <i>Brain</i> , 2012, 135, 148-160.	3.7	141
7	A Role for the Subthalamic Nucleus in Response Inhibition during Conflict. <i>Journal of Neuroscience</i> , 2012, 32, 13396-13401.	1.7	137
8	Modulation of Beta Bursts in the Subthalamic Nucleus Predicts Motor Performance. <i>Journal of Neuroscience</i> , 2018, 38, 8905-8917.	1.7	113
9	Targeting the Affective Component of Chronic Pain. <i>Neurosurgery</i> , 2014, 74, 628-637.	0.6	112
10	Subthalamic Nucleus Local Field Potential Activity during the Eriksen Flanker Task Reveals a Novel Role for Theta Phase during Conflict Monitoring. <i>Journal of Neuroscience</i> , 2013, 33, 14758-14766.	1.7	99
11	Long-Term Results of Deep Brain Stimulation of the Anterior Cingulate Cortex for Neuropathic Pain. <i>World Neurosurgery</i> , 2017, 106, 625-637.	0.7	98
12	Deep brain stimulation can regulate arterial blood pressure in awake humans. <i>NeuroReport</i> , 2005, 16, 1741-1745.	0.6	95
13	Neural Plasticity in Human Brain Connectivity: The Effects of Long Term Deep Brain Stimulation of the Subthalamic Nucleus in Parkinson's Disease. <i>PLoS ONE</i> , 2014, 9, e86496.	1.1	95
14	Brainjacking: Implant Security Issues in Invasive Neuromodulation. <i>World Neurosurgery</i> , 2016, 92, 454-462.	0.7	95
15	Deep brain stimulation for chronic pain investigated with magnetoencephalography. <i>NeuroReport</i> , 2007, 18, 223-228.	0.6	92
16	The nature of tremor circuits in parkinsonian and essential tremor. <i>Brain</i> , 2014, 137, 3223-3234.	3.7	90
17	Ventral periaqueductal grey stimulation alters heart rate variability in humans with chronic pain. <i>Experimental Neurology</i> , 2010, 223, 574-581.	2.0	89
18	Uncovering the underlying mechanisms and whole-brain dynamics of deep brain stimulation for Parkinson's disease. <i>Scientific Reports</i> , 2017, 7, 9882.	1.6	79

#	ARTICLE	IF	CITATIONS
19	Stimulating the human midbrain to reveal the link between pain and blood pressure. <i>Pain</i> , 2006, 124, 349-359.	2.0	74
20	Complementary roles of different oscillatory activities in the subthalamic nucleus in coding motor effort in Parkinsonism. <i>Experimental Neurology</i> , 2013, 248, 187-195.	2.0	74
21	Identifying cardiorespiratory neurocircuitry involved in central command during exercise in humans. <i>Journal of Physiology</i> , 2007, 578, 605-612.	1.3	73
22	Deep brain stimulation of the anterior cingulate cortex. <i>NeuroReport</i> , 2014, 25, 83-88.	0.6	71
23	Distinct mechanisms mediate speed-accuracy adjustments in cortico-subthalamic networks. <i>ELife</i> , 2017, 6, .	2.8	71
24	The Efficacy and Safety of Dorsal Root Ganglion Stimulation as a Treatment for Neuropathic Pain: A Literature Review. <i>Neuromodulation</i> , 2018, 21, 225-233.	0.4	69
25	Alternating Modulation of Subthalamic Nucleus Beta Oscillations during Stepping. <i>Journal of Neuroscience</i> , 2018, 38, 5111-5121.	1.7	66
26	Balancing the Brain: Resting State Networks and Deep Brain Stimulation. <i>Frontiers in Integrative Neuroscience</i> , 2011, 5, 8.	1.0	63
27	The Current State of Deep Brain Stimulation for Chronic Pain and Its Context in Other Forms of Neuromodulation. <i>Brain Sciences</i> , 2018, 8, 158.	1.1	63
28	Decoding voluntary movements and postural tremor based on thalamic LFPs as a basis for closed-loop stimulation for essential tremor. <i>Brain Stimulation</i> , 2019, 12, 858-867.	0.7	61
29	Tremor Reduction by Deep Brain Stimulation Is Associated With Gamma Power Suppression in Parkinson's Disease. <i>Neuromodulation</i> , 2015, 18, 349-354.	0.4	60
30	Subthalamic nucleus activity optimizes maximal effort motor responses in Parkinson's disease. <i>Brain</i> , 2012, 135, 2766-2778.	3.7	59
31	Sustained reduction of hypertension by deep brain stimulation. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 124-127.	0.8	57
32	Comparing neurostimulation technologies in refractory focal-onset epilepsy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 1174-1182.	0.9	55
33	Closed-Loop Deep Brain Stimulation for Essential Tremor Based on Thalamic Local Field Potentials. <i>Movement Disorders</i> , 2021, 36, 863-873.	2.2	52
34	Comparison of oscillatory activity in subthalamic nucleus in Parkinson's disease and dystonia. <i>Neurobiology of Disease</i> , 2017, 98, 100-107.	2.1	51
35	Sing the mind electric – principles of deep brain stimulation. <i>European Journal of Neuroscience</i> , 2010, 32, 1070-1079.	1.2	50
36	Regional Cerebral Perfusion Differences between Periventricular Grey, Thalamic and Dual Target Deep Brain Stimulation for Chronic Neuropathic Pain. <i>Stereotactic and Functional Neurosurgery</i> , 2007, 85, 175-183.	0.8	49

#	ARTICLE	IF	CITATIONS
37	The autonomic effects of deep brain stimulation—a therapeutic opportunity. <i>Nature Reviews Neurology</i> , 2012, 8, 391-400.	4.9	49
38	Differentiated Baroreflex Modulation of Sympathetic Nerve Activity During Deep Brain Stimulation in Humans. <i>Hypertension</i> , 2014, 63, 1000-1010.	1.3	48
39	Controlling the Heart Via the Brain: A Potential New Therapy for Orthostatic Hypotension. <i>Neurosurgery</i> , 2006, 58, 1176-1183.	0.6	46
40	Identification of neurocircuitry controlling cardiovascular function in humans using functional neurosurgery: implications for exercise control. <i>Experimental Physiology</i> , 2008, 93, 1022-1028.	0.9	44
41	Decoding gripping force based on local field potentials recorded from subthalamic nucleus in humans. <i>ELife</i> , 2016, 5, .	2.8	41
42	Subthalamic nucleus gamma activity increases not only during movement but also during movement inhibition. <i>ELife</i> , 2017, 6, .	2.8	41
43	The Central Autonomic Network and Regulation of Bladder Function. <i>Frontiers in Neuroscience</i> , 2019, 13, 535.	1.4	40
44	Identifying cardiovascular neurocircuitry involved in the exercise pressor reflex in humans using functional neurosurgery. <i>Journal of Applied Physiology</i> , 2011, 110, 881-891.	1.2	39
45	Subthalamic Nucleus Local Field Potential Activity Helps Encode Motor Effort Rather Than Force in Parkinsonism. <i>Journal of Neuroscience</i> , 2015, 35, 5941-5949.	1.7	39
46	Deep Brain Stimulation for Neuropathic Pain. <i>Neuromodulation</i> , 2006, 9, 100-106.	0.4	38
47	Switching off micturition using deep brain stimulation at midbrain sites. <i>Annals of Neurology</i> , 2012, 72, 144-147.	2.8	37
48	Reciprocal interactions between the human thalamus and periaqueductal gray may be important for pain perception. <i>Experimental Brain Research</i> , 2014, 232, 527-534.	0.7	35
49	A multicentre, prospective, randomized, controlled study to evaluate the use of a fibrin sealant as an adjunct to sutured dural repair. <i>British Journal of Neurosurgery</i> , 2015, 29, 11-17.	0.4	34
50	Intra-Operative Deep Brain Stimulation of the Periaqueductal Grey Matter Modulates Blood Pressure and Heart Rate Variability in Humans. <i>Neuromodulation</i> , 2010, 13, 174-181.	0.4	33
51	Ready for action: a role for the human midbrain in responding to infant vocalizations. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 977-984.	1.5	32
52	Deep Brain Stimulation as a Treatment for Neuropathic Pain: A Longitudinal Study Addressing Neuropsychological Outcomes. <i>Journal of Pain</i> , 2014, 15, 283-292.	0.7	32
53	The Cognitive Role of the Globus Pallidus interna; Insights from Disease States. <i>Experimental Brain Research</i> , 2017, 235, 1455-1465.	0.7	32
54	Deep brain stimulation for pain. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 116, 277-294.	1.0	31

#	ARTICLE	IF	CITATIONS
55	Subthalamic nucleus beta and gamma activity is modulated depending on the level of imagined grip force. <i>Experimental Neurology</i> , 2017, 293, 53-61.	2.0	31
56	MEG Can Map Short and Long-Term Changes in Brain Activity following Deep Brain Stimulation for Chronic Pain. <i>PLoS ONE</i> , 2012, 7, e37993.	1.1	30
57	Anterior cingulotomy improves malignant mesothelioma pain and dyspnoea. <i>British Journal of Neurosurgery</i> , 2014, 28, 471-474.	0.4	30
58	DyNeuMo Mk-2: An Investigational Circadian-Locked Neuromodulator with Responsive Stimulation for Applied Chronobiology. , 2020, 2020, 3433-3440.		29
59	Controlling the Lungs Via the Brain: A Novel Neurosurgical Method to Improve Lung Function in Humans. <i>Neurosurgery</i> , 2012, 70, 469-478.	0.6	27
60	Elevated gamma band power in humans receiving naloxone suggests dorsal periaqueductal and periventricular gray deep brain stimulation produced analgesia is opioid mediated. <i>Experimental Neurology</i> , 2013, 239, 248-255.	2.0	26
61	Unexpected Complications of Novel Deep Brain Stimulation Treatments: Ethical Issues and Clinical Recommendations. <i>Neuromodulation</i> , 2018, 21, 135-143.	0.4	26
62	Deep Brain Stimulation for Parkinsonâ€™s Disease with Early Motor Complications: A UK Cost-Effectiveness Analysis. <i>PLoS ONE</i> , 2016, 11, e0159340.	1.1	24
63	STEREOTACTIC NEUROSURGERY IN THE UNITED KINGDOM. <i>Neurosurgery</i> , 2008, 63, 594-607.	0.6	22
64	Deep Brain Stimulation Abolishes Slowing of Reactions to Unlikely Stimuli. <i>Journal of Neuroscience</i> , 2014, 34, 10844-10852.	1.7	22
65	Tractography Study of Deep Brain Stimulation of the Anterior Cingulate Cortex in Chronic Pain: Key to Improve the Targeting. <i>World Neurosurgery</i> , 2016, 86, 361-370.e3.	0.7	22
66	DyNeuMo Mk-1: Design and pilot validation of an investigational motion-adaptive neurostimulator with integrated chronotherapy. <i>Experimental Neurology</i> , 2022, 351, 113977.	2.0	22
67	Successful treatment of pelvic girdle pain with dorsal root ganglion stimulation. <i>British Journal of Neurosurgery</i> , 2016, 30, 685-686.	0.4	20
68	Gamma knife radiosurgery for uveal melanomas and metastases: a systematic review and meta-analysis. <i>Lancet Oncology</i> , The, 2020, 21, 1526-1536.	5.1	20
69	Characteristics of local field potentials correlate with pain relief by deep brain stimulation. <i>Clinical Neurophysiology</i> , 2016, 127, 2573-2580.	0.7	19
70	Evidence from a rare case study for Hebbian-like changes in structural connectivity induced by long-term deep brain stimulation. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 167.	1.0	18
71	Decisions Made with Less Evidence Involve Higher Levels of Corticosubthalamic Nucleus Theta Band Synchrony. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 811-825.	1.1	18
72	Human Dorsal Root Ganglion Stimulation Reduces Sympathetic Outflow and Long-Term Blood Pressure. <i>JACC Basic To Translational Science</i> , 2020, 5, 973-985.	1.9	18

#	ARTICLE	IF	CITATIONS
73	Deep Brain Stimulation of the Periaqueductal Grey Induces Vasodilation in Humans. <i>Hypertension</i> , 2011, 57, e24-5.	1.3	16
74	Effects of pedunculopontine nucleus stimulation on human bladder function. <i>Neurourology and Urodynamics</i> , 2018, 37, 726-734.	0.8	16
75	Dorsal Anterior Cingulate Cortices Differentially Lateralize Prediction Errors and Outcome Valence in a Decision-Making Task. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 203.	1.0	16
76	Applying a Sensing-Enabled System for Ensuring Safe Anterior Cingulate Deep Brain Stimulation for Pain. <i>Brain Sciences</i> , 2019, 9, 150.	1.1	16
77	Beta synchrony in the cortico-basal ganglia network during regulation of force control on and off dopamine. <i>Neurobiology of Disease</i> , 2019, 127, 253-263.	2.1	16
78	Dyspnea as a side effect of subthalamic nucleus deep brain stimulation for Parkinson's disease. <i>Respiratory Physiology and Neurobiology</i> , 2014, 192, 128-133.	0.7	15
79	Direct neurophysiological evidence for a role of the human anterior cingulate cortex in central command. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019, 216, 51-58.	1.4	15
80	Dorsal Root Ganglion Stimulation Modulates Cortical Gamma Activity in the Cognitive Dimension of Chronic Pain. <i>Brain Sciences</i> , 2020, 10, 95.	1.1	15
81	Surgical Treatment of Dystonia. <i>International Review of Neurobiology</i> , 2011, 98, 573-589.	0.9	14
82	State of the Art: Novel Applications for Deep Brain Stimulation. <i>Neuromodulation</i> , 2018, 21, 126-134.	0.4	14
83	Cardiovascular autonomic responses in patients with Parkinson disease to pedunculopontine deep brain stimulation. <i>Clinical Autonomic Research</i> , 2019, 29, 615-624.	1.4	14
84	Investigation of urinary storage symptoms in Parkinson's disease utilizing structural MRI techniques. <i>Neurourology and Urodynamics</i> , 2019, 38, 1168-1175.	0.8	14
85	Burst or Conventional Peripheral Nerve Field Stimulation for Treatment of Neuropathic Facial Pain. <i>Neuromodulation</i> , 2019, 22, 645-652.	0.4	13
86	Functional dynamics of thalamic local field potentials correlate with modulation of neuropathic pain. <i>European Journal of Neuroscience</i> , 2020, 51, 628-640.	1.2	13
87	Dorsal Root Ganglion Stimulation for the Treatment of Chronic Neuropathic Knee Pain. <i>World Neurosurgery</i> , 2020, 143, e303-e308.	0.7	13
88	Oscillatory neural representations in the sensory thalamus predict neuropathic pain relief by deep brain stimulation. <i>Neurobiology of Disease</i> , 2018, 109, 117-126.	2.1	12
89	Implementing novel trial methods to evaluate surgery for essential tremor. <i>British Journal of Neurosurgery</i> , 2015, 29, 334-339.	0.4	11
90	Dynamic Neural State Identification in Deep Brain Local Field Potentials of Neuropathic Pain. <i>Frontiers in Neuroscience</i> , 2018, 12, 237.	1.4	11

#	ARTICLE	IF	CITATIONS
91	Dynamic changes in rhythmic and arrhythmic neural signatures in the subthalamic nucleus induced by anaesthesia and tracheal intubation. <i>British Journal of Anaesthesia</i> , 2020, 125, 67-76.	1.5	11
92	Gait-Phase Modulates Alpha and Beta Oscillations in the Pedunculopontine Nucleus. <i>Journal of Neuroscience</i> , 2021, 41, 8390-8402.	1.7	11
93	Using Deep Brain Stimulation to Unravel the Mysteries of Cardiorespiratory Control. , 2020, 10, 1085-1104.		10
94	Beta oscillations and urinary voiding in Parkinson disease. <i>Neurology</i> , 2018, 90, e1530-e1534.	1.5	9
95	The pedunculopontine region and breathing in Parkinson's disease. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 837-847.	1.7	9
96	Measuring complex behaviors of local oscillatory networks in deep brain local field potentials. <i>Journal of Neuroscience Methods</i> , 2016, 264, 25-32.	1.3	8
97	A clinical-grade gene therapy vector for pharmacoresistant epilepsy successfully overexpresses NPY in a human neuronal cell line. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 55, 25-29.	0.9	8
98	Paired Acute Invasive/Non-invasive Stimulation (PAINS) study: A phase I/II randomized, sham-controlled crossover trial in chronic neuropathic pain. <i>Brain Stimulation</i> , 2021, 14, 1576-1585.	0.7	7
99	Post-Traumatic Tremor and Thalamic Deep Brain Stimulation: Evidence for Use of Diffusion Tensor Imaging. <i>World Neurosurgery</i> , 2016, 96, 607.e7-607.e11.	0.7	6
100	Measurement of muscle sympathetic nerve activity reveals true sympathetic changes in chronic pain. <i>Experimental Physiology</i> , 2012, 97, 1083-1083.	0.9	5
101	Control of the Lungs via the Human Brain Using Neurosurgery. <i>Progress in Brain Research</i> , 2014, 209, 341-366.	0.9	5
102	Rapid onset and short washout periods of dorsal root ganglion stimulation facilitate multiphase crossover study designs. <i>Brain Stimulation</i> , 2019, 12, 1617-1618.	0.7	5
103	Malignant middle cerebral artery syndrome with thrombotic thrombocytopenia following vaccination against SARS-CoV-2. <i>Journal of the Intensive Care Society</i> , 2022, 23, 479-484.	1.1	5
104	Deep Brain Stimulation of the Nucleus Accumbens in Severe Enduring Anorexia Nervosa: A Pilot Study. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 842184.	1.0	5
105	Deep Brain Stimulation and Levodopa Affect Gait Variability in Parkinson Disease Differently. <i>Neuromodulation</i> , 2023, 26, 382-393.	0.4	5
106	Psychosurgery: History of the Neurosurgical Management of Psychiatric Disorders. <i>World Neurosurgery</i> , 2020, 137, 327-334.	0.7	4
107	Differential responses to breath-holding, voluntary deep breathing and hypercapnia in left and right dorsal anterior cingulate. <i>Experimental Physiology</i> , 2021, 106, 726-735.	0.9	4
108	The Use of Neuromodulation for Symptom Management. <i>Brain Sciences</i> , 2019, 9, 232.	1.1	3

#	ARTICLE	IF	CITATIONS
109	Dorsal root ganglion stimulation: a new target for autonomic neuromodulation?. <i>Clinical Autonomic Research</i> , 2021, 31, 135-137.	1.4	3
110	Sensory thalamus and periaqueductal grey area local field potential signals during bladder filling. <i>Journal of Clinical Neuroscience</i> , 2019, 68, 342-343.	0.8	2
111	Letter to the editor: Thalamic deep brain stimulation may relieve breathlessness in COPD. <i>Brain Stimulation</i> , 2019, 12, 827-828.	0.7	2
112	Commentary: Operative Technique and Lessons Learned From Surgical Implantation of the NeuroPace Responsive Neurostimulation® System in 57 Consecutive Patients. <i>Operative Neurosurgery</i> , 2021, 20, E110-E111.	0.4	2
113	Supraspinal Effects of Dorsal Root Ganglion Stimulation in Chronic Pain Patients. <i>Neuromodulation</i> , 2021, 24, 646-654.	0.4	2
114	Neurophysiological characteristics in the periventricular/periaqueductal gray correlate with pain perception, sensation, and affect in neuropathic pain patients. <i>NeuroImage: Clinical</i> , 2021, 32, 102876.	1.4	2
115	Spatial and Temporal Distribution of Information Processing in the Human Dorsal Anterior Cingulate Cortex. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 780047.	1.0	2
116	Neuromodulation for Intractable Pain. <i>Brain Sciences</i> , 2020, 10, 267.	1.1	1
117	Cost-utility analysis alongside the PD SURG trial. <i>Movement Disorders</i> , 2017, 32, 631-632.	2.2	0
118	Identifying the Neurocircuitry Involved in the Exercise Pressor Reflex during Exercise in Humans. <i>FASEB Journal</i> , 2009, 23, 787.3.	0.2	0
119	Heart Rate Variability in Functional Neurosurgery. , 2012, , 263-278.		0