Joshua M Rosenow

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1305421/publications.pdf

Version: 2024-02-01

149

all docs

136 4,329 35
papers citations h-index

149

docs citations

35 59
h-index g-index

149 4722
times ranked citing authors

133252

#	Article	IF	CITATIONS
1	Ethical Considerations in the Implantation of Neuromodulatory Devices. Neuromodulation, 2022, 25, 222-231.	0.8	16
2	Ethical considerations in the surgical and neuromodulatory treatment of epilepsy. Epilepsy and Behavior, 2022, 127, 108524.	1.7	13
3	Smell-induced gamma oscillations in human olfactory cortex are required for accurate perception of odor identity. PLoS Biology, 2022, 20, e3001509.	5.6	16
4	The American Society for Stereotactic and Functional Neurosurgery Position Statement on Laser Interstitial Thermal Therapy for the Treatment of Drug-Resistant Epilepsy. Neurosurgery, 2022, 90, 155-160.	1.1	10
5	Cross-Sectional Analysis of US Health Insurance Payer Policies for Humanitarian Device Exemption Indications for Deep Brain Stimulation. Stereotactic and Functional Neurosurgery, 2022, , 1-4.	1.5	1
6	Bilateral Deep Brain Stimulation is the Procedure to Beat for Advanced Parkinson Disease: A Meta-Analytic, Cost-Effective Threshold Analysis for Focused Ultrasound. Neurosurgery, 2021, 88, 487-496.	1.1	13
7	Prospective Evaluation of the Time Course of White Matter Edema Associated with Implanted Deep Brain Stimulation Electrodes. Stereotactic and Functional Neurosurgery, 2021, 99, 203-206.	1.5	6
8	Effect of Device Configuration and Patient's Body Composition on the <scp>RF</scp> Heating and Nonsusceptibility Artifact of Deep Brain Stimulation Implants During <scp>MRI</scp> at 1.5T and 3T. Journal of Magnetic Resonance Imaging, 2021, 53, 599-610.	3.4	36
9	Machine Learning-Based Prediction of MRI-Induced Power Absorption in the Tissue in Patients With Simplified Deep Brain Stimulation Lead Models. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1757-1766.	2.2	21
10	Patient's body composition can significantly affect RF power deposition in the tissue around DBS implants: ramifications for lead management strategies and MRI field-shaping techniques. Physics in Medicine and Biology, 2021, 66, 015008.	3.0	18
11	Seizure outcome in patients with cavernous malformation after early surgery. Epilepsy and Behavior, 2021, 115, 107662.	1.7	9
12	Commentary: Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines for Deep Brain Stimulations for Obsessive-Compulsive Disorder: Update of the 2014 Guidelines. Neurosurgery, 2021, 88, E552-E553.	1.1	0
13	Vertical openâ€bore MRI scanners generate significantly less radiofrequency heating around implanted leads: A study of deep brain stimulation implants in 1.2T OASIS scanners versus 1.5T horizontal systems. Magnetic Resonance in Medicine, 2021, 86, 1560-1572.	3.0	25
14	Increased Subthalamic Nucleus Deep Brain Stimulation Amplitude Impairs Inhibitory Control of Eye Movements in Parkinson's Disease. Neuromodulation, $2021, \ldots$	0.8	7
15	Rapid coordination of effective learning by the human hippocampus. Science Advances, 2021, 7, .	10.3	16
16	Human hippocampal connectivity is stronger in olfaction than other sensory systems. Progress in Neurobiology, 2021, 201, 102027.	5.7	28
17	Neurosurgery Billing and Reimbursement in 2021. World Neurosurgery, 2021, 151, 348-352.	1.3	1
18	Credentialing, Certification, and Peer Review Essentials for the Neurosurgeon. World Neurosurgery, 2021, 151, 364-369.	1.3	2

#	Article	IF	CITATIONS
19	Advocacy to Government and Stakeholders. World Neurosurgery, 2021, 151, 380-385.	1.3	O
20	The Medical Legal Environment in Neurosurgery: An Informative Overview of the Stages of Litigation and Distinct Challenges. World Neurosurgery, 2021, 151, 370-374.	1.3	3
21	Optimizing Medical Care Via Practice Guidelines and Quality Improvement Initiatives. World Neurosurgery, 2021, 151, 375-379.	1.3	2
22	Socioeconomic Implications of Professional Relationships within Modern Care Delivery Systems. World Neurosurgery, 2021, 151, 353-363.	1.3	2
23	"There's got to be a better way― Global Perspectives of Medicolegal Environment and Neurosurgical Socioeconomics. World Neurosurgery, 2021, 151, 341-347.	1.3	1
24	The what and when of olfactory working memory in humans. Current Biology, 2021, 31, 4499-4511.e8.	3.9	15
25	Encoding of limb state by single neurons in the cuneate nucleus of awake monkeys. Journal of Neurophysiology, 2021, 126, 693-706.	1.8	17
26	Restriction of Access to Deep Brain Stimulation for Refractory OCD: Failure to Apply the Federal Parity Act. Frontiers in Psychiatry, 2021, 12, 706181.	2.6	9
27	Safety and image quality at 7T MRI for deep brain stimulation systems: Ex vivo study with lead-only and full-systems. PLoS ONE, 2021, 16, e0257077.	2.5	27
28	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on Neuroablative Procedures for Patients With Cancer Pain. Neurosurgery, 2021, 88, 437-442.	1.1	14
29	North American survey on impact of the COVID-19 pandemic shutdown on DBS care. Parkinsonism and Related Disorders, 2021, 92, 41-45.	2.2	8
30	Letter to the Editor Regarding "Application of Remote Deep Brain Stimulation Programming for Parkinson Disease Patients― World Neurosurgery, 2021, 155, 199.	1.3	0
31	Intraoperative Computed Tomography for Registration of Stereotactic Frame in Frame-Based Deep Brain Stimulation. Operative Neurosurgery, 2021, 20, E186-E189.	0.8	2
32	Sensory computations in the cuneate nucleus of macaques. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
33	Modifying surgical implantation of deep brain stimulation leads significantly reduces RF-induced heating during 3 T MRI., 2021, 2021, 4978-4981.		15
34	The effect of seizure spread to the amygdala on respiration and onset of ictal central apnea. Journal of Neurosurgery, 2020, 132, 1313-1323.	1.6	57
35	RF heating of deep brain stimulation implants in openâ€bore vertical MRI systems: A simulation study with realistic device configurations. Magnetic Resonance in Medicine, 2020, 83, 2284-2292.	3.0	25
36	Importance of Laterality in Cervical Spinal Cord Stimulation for Facial Pain: Case Report and Anatomic Review. Operative Neurosurgery, 2020, 19, E83-E86.	0.8	5

#	Article	IF	CITATIONS
37	Device Configuration and Patient's Body Composition Significantly Affect RF Heating of Deep Brain Stimulation Implants During MRI: An Experimental Study at 1.5T and 3T., 2020, 2020, 5192-5197.		4
38	Neural Connectivity Changes Facilitated by Familiar Auditory Sensory Training in Disordered Consciousness: A TBI Pilot Study. Frontiers in Neurology, 2020, 11, 1027.	2.4	7
39	Using Functionality Rather than Elective Nature to Characterize Neurosurgeries During Pandemic Triage. American Journal of Bioethics, 2020, 20, 196-198.	0.9	4
40	Factors Associated With Implantable Pulse Generator Site Pain: A Multicenter Crossâ€Sectional Study. Neuromodulation, 2020, , .	0.8	3
41	Neuromodulatory Interventions for Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2020, 35, 365-370.	1.7	9
42	RF heating of deep brain stimulation implants during MRI in 1.2 T vertical scanners versus 1.5 T horizontal systems: A simulation study with realistic lead configurations. , 2020, 2020, 6143-6146.		11
43	Analysis of the gender distribution of industry- and society-sponsored webinar faculty during the COVID-19 pandemic. Journal of Clinical Anesthesia, 2020, 67, 110040.	1.6	1
44	Anticipation-induced delta phase reset improves human olfactory perception. PLoS Biology, 2020, 18, e3000724.	5.6	8
45	Continuous, noninvasive wireless monitoring of flow of cerebrospinal fluid through shunts in patients with hydrocephalus. Npj Digital Medicine, 2020, 3, 29.	10.9	26
46	Percutaneous 60-day peripheral nerve stimulation implant provides sustained relief of chronic pain following amputation: 12-month follow-up of a randomized, double-blind, placebo-controlled trial. Regional Anesthesia and Pain Medicine, 2020, 45, 44-51.	2.3	55
47	ACR Appropriateness Criteria® Seizures and Epilepsy. Journal of the American College of Radiology, 2020, 17, S293-S304.	1.8	9
48	ACR Appropriateness Criteria® Dementia. Journal of the American College of Radiology, 2020, 17, \$100-\$112.	1.8	11
49	ACR Appropriateness Criteria® Movement Disorders and Neurodegenerative Diseases. Journal of the American College of Radiology, 2020, 17, S175-S187.	1.8	4
50	Subthalamic nucleus deep brain stimulation with a multiple independent constant current-controlled device in Parkinson's disease (INTREPID): a multicentre, double-blind, randomised, sham-controlled study. Lancet Neurology, The, 2020, 19, 491-501.	10.2	88
51	A Pilot Trial Examining the Merits of Combining Amantadine and Repetitive Transcranial Magnetic Stimulation as an Intervention for Persons With Disordered Consciousness After TBI. Journal of Head Trauma Rehabilitation, 2020, 35, 371-387.	1.7	16
52	Safety Considerations for the Use of Transcranial Magnetic Stimulation as Treatment for Coma Recovery in People With Severe Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2020, 35, 430-438.	1.7	11
53	Cervical Spinal Cord Stimulation for Facial Pain. Progress in Neurological Surgery, 2020, 35, 1-8.	1.3	3
54	The Representation of Finger Movement and Force in Human Motor and Premotor Cortices. ENeuro, 2020, 7, ENEURO.0063-20.2020.	1.9	15

#	Article	IF	CITATIONS
55	Hippocampal theta coordinates memory processing during visual exploration. ELife, 2020, 9, .	6.0	51
56	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0
57	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0
58	Anticipation-induced delta phase reset improves human olfactory perception., 2020, 18, e3000724.		0
59	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		O
60	Reconfigurable MRI technology for low-SAR imaging of deep brain stimulation at 3T: Application in bilateral leads, fully-implanted systems, and surgically modified lead trajectories. NeuroImage, 2019, 199, 18-29.	4.2	51
61	ACR Appropriateness Criteria® Ataxia. Journal of the American College of Radiology, 2019, 16, S44-S56.	1.8	7
62	Physician Guidance on the Use of Off-Labeled Drugs in Intrathecal Drug Delivery Systems for Chronic Pain. Neuromodulation, 2019, 22, 765-768.	0.8	9
63	Percutaneous peripheral nerve stimulation for the treatment of chronic neuropathic postamputation pain: a multicenter, randomized, placebo-controlled trial. Regional Anesthesia and Pain Medicine, 2019, 44, 637-645.	2.3	86
64	Human olfactory-auditory integration requires phase synchrony between sensory cortices. Nature Communications, 2019, 10, 1168.	12.8	34
65	Deep Brain Stimulation and Motor Cortical Stimulation for Malignant Pain. , 2019, , 241-245.		0
66	Amygdalaâ€stimulationâ€induced apnea is attention and nasalâ€breathing dependent. Annals of Neurology, 2018, 83, 460-471.	5. 3	86
67	Anesthesia Dolorosa., 2018,, 381-384.		0
68	A History of the Council of State Neurosurgical Societies. Neurosurgery, 2017, 80, 146-157.	1.1	6
69	The Neurostimulation Appropriateness Consensus Committee (NACC) Safety Guidelines for the Reduction of Severe Neurological Injury. Neuromodulation, 2017, 20, 15-30.	0.8	97
70	Spinal Cord Stimulator Implant Infection Rates and Risk Factors: A Multicenter Retrospective Study. Neuromodulation, 2017, 20, 558-562.	0.8	83
71	Continuous decoding of human grasp kinematics using epidural and subdural signals. Journal of Neural Engineering, 2017, 14, 016005.	3.5	64
72	Theta Oscillations Rapidly Convey Odor-Specific Content in Human Piriform Cortex. Neuron, 2017, 94, 207-219.e4.	8.1	56

#	Article	IF	Citations
73	ACR Appropriateness Criteria \hat{A}^{\otimes} Cranial Neuropathy. Journal of the American College of Radiology, 2017, 14, S406-S420.	1.8	10
74	Methodological considerations for a chronic neural interface with the cuneate nucleus of macaques. Journal of Neurophysiology, 2017, 118, 3271-3281.	1.8	28
75	Spinal Cord Stimulator Related Infections: Findings From a Multicenter Retrospective Analysis of 2737 Implants. Neuromodulation, 2017, 20, 553-557.	0.8	46
76	Nasal Respiration Entrains Human Limbic Oscillations and Modulates Cognitive Function. Journal of Neuroscience, 2016, 36, 12448-12467.	3.6	355
77	ACR Appropriateness Criteria Low BackÂPain. Journal of the American College of Radiology, 2016, 13, 1069-1078.	1.8	147
78	124â€fLow-Back Pain Relief With a New 32-Contact Surgical Lead and Neural Targeting Algorithm. Neurosurgery, 2016, 63, 151.	1,1	4
79	A phase II trial evaluating the effects and intra-tumoral penetration of bortezomib in patients with recurrent malignant gliomas. Journal of Neuro-Oncology, 2016, 129, 139-146.	2.9	36
80	Peripheral Nerve Stimulationâ€"Cervical Syndromes. , 2016, , 191-197.		0
81	Occipital Nerve Stimulation for the Treatment of Patients With Medically Refractory Occipital Neuralgia. Neurosurgery, 2015, 77, 332-341.	1.1	63
82	In Reply. Neurosurgery, 2015, 77, E156-E157.	1.1	0
83	Spinal Cord Stimulation for Electrical Storm Refractory to Conventional Medical Treatment: An Emerging Indication?. Neuromodulation, 2015, 18, 194-196.	0.8	2
84	Decoding of articulatory gestures during word production using speech motor and premotor cortical activity., 2015, 2015, 5339-42.		7
85	Placebo-Controlled Trial of Familiar Auditory Sensory Training for Acute Severe Traumatic Brain Injury. Neurorehabilitation and Neural Repair, 2015, 29, 537-547.	2.9	71
86	ACR Appropriateness Criteria Dementia and Movement Disorders. Journal of the American College of Radiology, 2015, 12, 19-28.	1.8	14
86	ACR Appropriateness Criteria Dementia and Movement Disorders. Journal of the American College of Radiology, 2015, 12, 19-28. Atypical meningioma: Randomized trials are required to resolve contradictory retrospective results regarding the role of adjuvant radiotherapy. Journal of Cancer Research and Therapeutics, 2015, 11, 59.	0.9	14
	Radiology, 2015, 12, 19-28. Atypical meningioma: Randomized trials are required to resolve contradictory retrospective results		
87	Radiology, 2015, 12, 19-28. Atypical meningioma: Randomized trials are required to resolve contradictory retrospective results regarding the role of adjuvant radiotherapy. Journal of Cancer Research and Therapeutics, 2015, 11, 59. Impact of resident involvement in neurosurgery: an analysis of 8748 patients from the 2011 American College of Surgeons National Surgical Quality Improvement Program database. Journal of	0.9	44

#	Article	IF	CITATIONS
91	Desmopressin Improves Platelet Activity in Acute Intracerebral Hemorrhage. Stroke, 2014, 45, 2451-2453.	2.0	99
92	Neurosurgeons' responses to changing Medicare reimbursement. Neurosurgical Focus, 2014, 37, E12.	2.3	33
93	Extracting kinetic information from human motor cortical signals. Neurolmage, 2014, 101, 695-703.	4.2	84
94	Deep Brain Stimulation for Obsessive-Compulsive Disorder. Neurosurgery, 2014, 75, 327-333.	1.1	86
95	Impact of fiducial arrangement and registration sequence on target accuracy using a phantom frameless stereotactic navigation model. Journal of Clinical Neuroscience, 2014, 21, 1976-1980.	1.5	9
96	rTMS Safety for Two Subjects With Disordered Consciousness After Traumatic Brain Injury. Brain Stimulation, 2014, 7, 620-622.	1.6	23
97	Deep brain stimulation improves movement amplitude but not hastening of repetitive finger movements. Neuroscience Letters, 2013, 552, 135-139.	2.1	13
98	Microsurgical Treatment of a Premotor Arteriovenous Malformation: 3-Dimensional Illustration. Operative Neurosurgery, 2013, 72, ons1-ons1.	0.8	0
99	Emergent intrathecal baclofen withdrawal after pseudomeningocele aspiration. Pain Physician, 2013, 16, E113-8.	0.4	4
100	Ultrasound-guided trigeminal nerve block via the pterygopalatine fossa: an effective treatment for trigeminal neuralgia and atypical facial pain. Pain Physician, 2013, 16, E537-45.	0.4	43
101	Preliminary framework for Familiar Auditory Sensory Training (FAST) provided during coma recovery. Journal of Rehabilitation Research and Development, 2012, 49, 1137.	1.6	28
102	Mimetic automatisms expressing a negative affect in two patients with temporal lobe epilepsy. Epilepsy and Behavior, 2011, 20, 572-578.	1.7	1
103	Bilateral Cervicothoracic Transforaminal Blood Patches for Persistent Headache From Spontaneous Intracranial Hypotension. Clinical Journal of Pain, 2011, 27, 357-364.	1.9	13
104	Physician-Owned Hospitals, Neurosurgeons, and Disclosure: Lessons From Law and the Literature. Neurosurgery, 2011, 68, 1724-1732.	1.1	16
105	Implantable Devices and Magnetic Resonance Imaging. Anesthesia and Analgesia, 2011, 112, 1013-1015.	2.2	2
106	Deep Brain Stimulation and Motor Cortical Stimulation for Neuropathic Pain. Current Pain and Headache Reports, 2011, 15, 8-13.	2.9	33
107	Patient Perspectives on the Efficacy and Ergonomics of Rechargeable Spinal Cord Stimulators. Neuromodulation, 2010, 13, 218-223.	0.8	33
108	Suppression of deep brain stimulation artifacts from the electroencephalogram by frequency-domain Hampel filtering. Clinical Neurophysiology, 2010, 121, 1227-1232.	1.5	49

#	Article	IF	CITATIONS
109	Ictal kissing: a release phenomenon in non-dominant temporal lobe epilepsy. Epileptic Disorders, 2010, 12, 262-269.	1.3	12
110	Repetitive transcranial magnetic stimulation-associated neurobehavioral gains during coma recovery. Brain Stimulation, 2009, 2, 22-35.	1.6	115
111	Intrathecal Baclofen Administration During Pregnancy: A Case Series and Focused Clinical Review. PM and R, 2009, 1, 1025-1029.	1.6	13
112	Cellular injury and neuroinflammation in children with chronic intractable epilepsy. Journal of Neuroinflammation, 2009, 6, 38.	7.2	181
113	Emergent Image-Guided Treatment of a Large CSF Leak to Reverse "In-Extremis―Signs of Intracranial Hypotension. American Journal of Neuroradiology, 2008, 29, 1627-1629.	2.4	17
114	Utility of Brain Biopsy in Patients with Acquired Immunodeficiency Syndrome Before and After Introduction of Highly Active Antiretroviral Therapy. Neurosurgery, 2008, 63, E1209.	1.1	0
115	History of the Therapeutic Use of Electricity on the Brain and the Development of Deep Brain Stimulation., 2008,, 63-82.		15
116	Application Accuracy of an Electromagnetic Field-Based Image-Guided Navigation System. Stereotactic and Functional Neurosurgery, 2007, 85, 75-81.	1.5	43
117	A 12-Month Prospective Study of Gasserian Ganglion Stimulation for Trigeminal Neuropathic Pain. Stereotactic and Functional Neurosurgery, 2007, 85, 216-224.	1.5	31
118	UTILITY OF BRAIN BIOPSY IN PATIENTS WITH ACQUIRED IMMUNODEFICIENCY SYNDROME BEFORE AND AFTER INTRODUCTION OF HIGHLY ACTIVE ANTIRETROVIRAL THERAPY. Neurosurgery, 2007, 61, 130-141.	1.1	85
119	Transcranial Magnetic Stimulation. Journal of Head Trauma Rehabilitation, 2006, 21, 437-451.	1.7	47
120	Failure modes of spinal cord stimulation hardware. Journal of Neurosurgery: Spine, 2006, 5, 183-190.	1.7	115
121	A 12-month Prospective Study on Gasserian Stimulation for Neuropathic Facial Pain. Neurosurgery, 2005, 57, 413-413.	1.1	O
122	Frameless stereotaxy using bone fiducial markers for deep brain stimulation. Journal of Neurosurgery, 2005, 103, 404-413.	1.6	180
123	The college as a forum for collaboration. Bulletin of the American College of Surgeons, 2005, 90, 14.	0.3	О
124	Efficacy of multiple intraarterial papaverine infusions for improvement in cerebral circulation time in patients with recurrent cerebral vasospasm. Journal of Neurosurgery, 2004, 100, 414-421.	1.6	61
125	Deep brain stimulationfor movement disorders. Neurological Research, 2004, 26, 9-20.	1.3	26
126	Recovery of Pain Control by Intensive Reprogramming after Loss of Benefit from Motor Cortex Stimulation for Neuropathic Pain. Stereotactic and Functional Neurosurgery, 2004, 82, 207-213.	1.5	61

#	Article	IF	Citations
127	The application accuracy of a skull-mounted trajectory guide system for image-guided functional neurosurgery. Computer Aided Surgery, 2004, 9, 155-160.	1.8	49
128	The application accuracy of a skull-mounted trajectory guide system for image-guided functional neurosurgery. Computer Aided Surgery, 2004, 9, 155-160.	1.8	20
129	Management of Cancer Pain. JAMA - Journal of the American Medical Association, 2004, 291, 1067.	7.4	0
130	Anatomy and physiology of chronic pain. Neurosurgery Clinics of North America, 2003, 14, 445-462.	1.7	17
131	Precentral stimulation for chronic pain. Neurosurgery Clinics of North America, 2003, 14, 437-444.	1.7	16
132	Simultaneous use of bilateral subthalamic nucleus stimulators and an implantable cardiac defibrillator. Journal of Neurosurgery, 2003, 99, 167-169.	1.6	30
133	Irving S. Cooper and His Role in Intracranial Stimulation for Movement Disorders and Epilepsy. Stereotactic and Functional Neurosurgery, 2002, 78, 95-112.	1.5	92
134	Hypophysopexy technique for radiosurgical treatment of cavernous sinus pituitary adenoma. Pituitary, 2002, 5, 169-173.	2.9	28
135	Type IV Spinal Arteriovenous Malformation in Association with Familial Pulmonary Vascular Malformations: Case Report. Neurosurgery, 2000, 46, 1240-1245.	1.1	19
136	Rupture of a Large Ophthalmic Segment Saccular Aneurysm Associated with Closed Head Injury: Case Report. Neurosurgery, 2000, 46, 1515-1518.	1.1	7