

# Jon T Willie

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

9,939  
citations

159358

30  
h-index

133063

59  
g-index

65  
all docs

65  
docs citations

65  
times ranked

5943  
citing authors

#	ARTICLE	IF	CITATIONS
1	Open surgery or laser interstitial thermal therapy for low-grade epilepsy-associated tumors of the temporal lobe: A single-institution consecutive series. <i>Epilepsy and Behavior</i> , 2022, 130, 108659.	0.9	2
2	Centromedian thalamic deep brain stimulation for drug-resistant epilepsy: single-center experience. <i>Journal of Neurosurgery</i> , 2022, 137, 1591-1600.	0.9	10
3	Reduced gray-white matter contrast localizes the motor cortex on double inversion recovery (DIR) 3T MRI. <i>Neuroradiology</i> , 2021, 63, 1071-1078.	1.1	1
4	Clinical outcomes of globus pallidus deep brain stimulation for Parkinson disease: a comparison of intraoperative MRI and MER-guided lead placement. <i>Journal of Neurosurgery</i> , 2021, 134, 1072-1082.	0.9	11
5	Multi-objective data-driven optimization for improving deep brain stimulation in Parkinson's disease. <i>Journal of Neural Engineering</i> , 2021, 18, 046046.	1.8	20
6	Feasibility and Morbidity of Magnetic Resonance Imaging-Guided Stereotactic Laser Ablation of Deep Cerebral Cavernous Malformations: A Report of 4 Cases. <i>Neurosurgery</i> , 2021, 89, 635-644.	0.6	7
7	MRI-guided stereotactic laser corpus callosotomy for epilepsy: distinct methods and outcomes. <i>Journal of Neurosurgery</i> , 2021, 135, 770-782.	0.9	11
8	Withdrawal of antiepileptic drugs after stereotactic laser amygdalohippocampotomy for mesial temporal lobe epilepsy. <i>Epilepsy Research</i> , 2021, 176, 106721.	0.8	2
9	Identifying the neurophysiological effects of memory-enhancing amygdala stimulation using interpretable machine learning. <i>Brain Stimulation</i> , 2021, 14, 1511-1519.	0.7	4
10	Superior Verbal Memory Outcome After Stereotactic Laser Amygdalohippocampotomy. <i>Frontiers in Neurology</i> , 2021, 12, 779495.	1.1	14
11	Human amygdala stimulation effects on emotion physiology and emotional experience. <i>Neuropsychologia</i> , 2020, 145, 106722.	0.7	72
12	Supervised and unsupervised machine learning for automated scoring of sleep-wake and cataplexy in a mouse model of narcolepsy. <i>Sleep</i> , 2020, 43, .	0.6	16
13	Single-Neuron Representations of Spatial Targets in Humans. <i>Current Biology</i> , 2020, 30, 245-253.e4.	1.8	37
14	Magnetic resonance-guided laser interstitial thermal therapy for posterior fossa neoplasms. <i>Journal of Neuro-Oncology</i> , 2020, 149, 533-542.	1.4	14
15	Stereotactic MRI-guided laser interstitial thermal therapy for extratemporal lobe epilepsy. <i>Epilepsia</i> , 2020, 61, 1723-1734.	2.6	33
16	Amygdala Stimulation Leads to Functional Network Connectivity State Transitions in the Hippocampus. , 2020, 2020, 3625-3628.		3
17	Robot Assisted MRI-Guided LITT of the Anterior, Lateral, and Medial Temporal Lobe for Temporal Lobe Epilepsy. <i>Frontiers in Neurology</i> , 2020, 11, 572334.	1.1	6
18	Letter: Magnetic Resonance Imaging-Guided Laser Interstitial Thermal Therapy for Epilepsy: Systematic Review of Technique, Indications, and Outcomes. <i>Neurosurgery</i> , 2020, 87, E438-E439.	0.6	1

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19	Computer-assisted planning for minimally invasive anterior two-thirds laser corpus callosotomy: A feasibility study with probabilistic tractography validation. <i>NeuroImage: Clinical</i> , 2020, 25, 102174.	1.4	8
20	Case Series: Unilateral Amygdala Ablation Ameliorates Post-Traumatic Stress Disorder Symptoms and Biomarkers. <i>Neurosurgery</i> , 2020, 87, 796-802.	0.6	20
21	Deep brain stimulation of hypothalamus for narcolepsy-cataplexy in mice. <i>Brain Stimulation</i> , 2020, 13, 1305-1316.	0.7	6
22	LITT in the Treatment of Adult Epilepsy. , 2020, , 85-104.		0
23	Mechanisms and Risk Factors Contributing to Visual Field Deficits following Stereotactic Laser Amygdalohippocampotomy. <i>Stereotactic and Functional Neurosurgery</i> , 2019, 97, 255-265.	0.8	14
24	Memory retrieval modulates spatial tuning of single neurons in the human entorhinal cortex. <i>Nature Neuroscience</i> , 2019, 22, 2078-2086.	7.1	28
25	Safety and effectiveness of stereotactic laser ablation for epileptogenic cerebral cavernous malformations. <i>Epilepsia</i> , 2019, 60, 220-232.	2.6	49
26	Cingulum stimulation enhances positive affect and anxiolysis to facilitate awake craniotomy. <i>Journal of Clinical Investigation</i> , 2019, 129, 1152-1166.	3.9	40
27	Stereotactic laser amygdalohippocampotomy for mesial temporal lobe epilepsy. <i>Annals of Neurology</i> , 2018, 83, 575-587.	2.8	129
28	Direct electrical stimulation of the amygdala enhances declarative memory in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 98-103.	3.3	121
29	Cortical Potentials Evoked by Subthalamic Stimulation Demonstrate a Short Latency Hyperdirect Pathway in Humans. <i>Journal of Neuroscience</i> , 2018, 38, 9129-9141.	1.7	118
30	Restoring Conscious Arousal During Focal Limbic Seizures with Deep Brain Stimulation. <i>Cerebral Cortex</i> , 2017, 27, bhw035.	1.6	46
31	Deep brain stimulation of the centromedian thalamic nucleus for essential tremor: a case report. <i>Acta Neurochirurgica</i> , 2017, 159, 789-793.	0.9	9
32	MRI-guided stereotactic neurosurgical procedures in a diagnostic MRI suite: Background and safe practice recommendations. <i>Journal of Healthcare Risk Management: the Journal of the American Society for Healthcare Risk Management</i> , 2017, 37, 31-39.	0.3	5
33	2383. <i>Journal of Clinical and Translational Science</i> , 2017, 1, 64-64.	0.3	0
34	Magnetic Resonance Thermometry-Guided Stereotactic Laser Ablation of Cavernous Malformations in Drug-Resistant Epilepsy. <i>Operative Neurosurgery</i> , 2016, 12, 39-48.	0.4	78
35	Laser Interstitial Thermal Therapy for Mesial Temporal Lobe Epilepsy. <i>Neurosurgery</i> , 2016, 79, S83-S91.	0.6	61
36	Laser Interstitial Thermal Therapy Technology, Physics of Magnetic Resonance Imaging Thermometry, and Technical Considerations for Proper Catheter Placement During Magnetic Resonance Imaging-Guided Laser Interstitial Thermal Therapy. <i>Neurosurgery</i> , 2016, 79, S8-S16.	0.6	54

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37	The Role of Stereotactic Laser Amygdalohippocampotomy in Mesial Temporal Lobe Epilepsy. <i>Neurosurgery Clinics of North America</i> , 2016, 27, 37-50.	0.8	112
38	Better object recognition and naming outcome with MRI-guided stereotactic laser amygdalohippocampotomy for temporal lobe epilepsy. <i>Epilepsia</i> , 2015, 56, 101-113.	2.6	276
39	In response: Naming and recognition after laser amygdalohippocampotomy: Is the hippocampus involved?. <i>Epilepsia</i> , 2015, 56, 1318-1319.	2.6	1
40	Response to Journal Club. <i>Neurosurgery</i> , 2015, 77, E502-E504.	0.6	4
41	Temporal profile of improvement of tardive dystonia after globus pallidus deep brain stimulation. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 116-119.	1.1	27
42	MRI-Guided Stereotactic Laser Ablation. , 2015, , 375-403.		5
43	Neurostimulation to improve level of consciousness in patients with epilepsy. <i>Neurosurgical Focus</i> , 2015, 38, E10.	1.0	41
44	Percutaneous selective laser amygdalo-hippocampotomy (SLAH) for treatment of mesial temporal lobe epilepsy within an interventional MRI suite. <i>Photonics &amp; Lasers in Medicine</i> , 2014, 3, .	0.3	0
45	Real-Time Magnetic Resonance-Guided Stereotactic Laser Amygdalohippocampotomy for Mesial Temporal Lobe Epilepsy. <i>Neurosurgery</i> , 2014, 74, 569-585.	0.6	314
46	Application of high-frequency Granger causality to analysis of epileptic seizures and surgical decision making. <i>Epilepsia</i> , 2014, 55, 2038-2047.	2.6	41
47	Beyond Therapeutic Nihilism? The Neurosurgical Treatment of Intracerebral Hemorrhage. <i>World Neurosurgery</i> , 2013, 80, e135-e137.	0.7	4
48	The baric probe: a novel long-term implantable intracranial pressure monitor with ultrasound-based interrogation. <i>Journal of Neurosurgery: Pediatrics</i> , 2012, 10, 518-524.	0.8	4
49	Controlled Cortical Impact Traumatic Brain Injury Acutely Disrupts Wakefulness and Extracellular Orexin Dynamics as Determined by Intracerebral Microdialysis in Mice. <i>Journal of Neurotrauma</i> , 2012, 29, 1908-1921.	1.7	66
50	Reversible Obstructive Hydrocephalus from Hypertensive Encephalopathy. <i>Neurocritical Care</i> , 2012, 16, 433-439.	1.2	16
51	Cholinergic Modulation of Narcoleptic Attacks in Double Orexin Receptor Knockout Mice. <i>PLoS ONE</i> , 2011, 6, e18697.	1.1	49
52	Ectopic Overexpression of Orexin Alters Sleep/Wakefulness States and Muscle Tone Regulation during REM Sleep in Mice. <i>Journal of Molecular Neuroscience</i> , 2011, 43, 155-161.	1.1	43
53	Sexual intercourse and cerebral aneurysmal rupture: potential mechanisms and precipitants. <i>Journal of Neurosurgery</i> , 2011, 114, 969-977.	0.9	50
54	A Consensus Definition of Cataplexy in Mouse Models of Narcolepsy. <i>Sleep</i> , 2009, 32, 111-116.	0.6	144

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55	Enhanced Orexin Receptor-2 Signaling Prevents Diet-Induced Obesity and Improves Leptin Sensitivity. <i>Cell Metabolism</i> , 2009, 9, 64-76.	7.2	235
56	From The Cover: Orexin peptides prevent cataplexy and improve wakefulness in an orexin neuron-ablated model of narcolepsy in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4649-4654.	3.3	312
57	Role of hypothalamic orexin neurons in the regulation of arousal according to energy balance. <i>Sleep and Biological Rhythms</i> , 2004, 2, S57-S57.	0.5	0
58	Distinct Narcolepsy Syndromes in Orexin Receptor-2 and Orexin Null Mice. <i>Neuron</i> , 2003, 38, 715-730.	3.8	603
59	Hypothalamic Orexin Neurons Regulate Arousal According to Energy Balance in Mice. <i>Neuron</i> , 2003, 38, 701-713.	3.8	833
60	Involvement of the Lateral Hypothalamic Peptide Orexin in Morphine Dependence and Withdrawal. <i>Journal of Neuroscience</i> , 2003, 23, 3106-3111.	1.7	335
61	To Eat or to Sleep? Orexin in the Regulation of Feeding and Wakefulness. <i>Annual Review of Neuroscience</i> , 2001, 24, 429-458.	5.0	701
62	Genetic Ablation of Orexin Neurons in Mice Results in Narcolepsy, Hypophagia, and Obesity. <i>Neuron</i> , 2001, 30, 345-354.	3.8	1,307
63	Orexin (Hypocretin) Neurons Contain Dynorphin. <i>Journal of Neuroscience</i> , 2001, 21, RC168-RC168.	1.7	365
64	Narcolepsy in orexin Knockout Mice. <i>Cell</i> , 1999, 98, 437-451.	13.5	2,981
65	Synergistic Activation of Transcription by Physiologically Unrelated Transcription Factors through Cooperative DNA-Binding. <i>Biochemical and Biophysical Research Communications</i> , 1998, 247, 530-535.	1.0	20