Jon T Willie

List of Publications by Year
in descending order

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	Narcolepsy in orexin Knockout Mice. Cell, 1999, 98, 437-451.	13.5	2,981
2	Genetic Ablation of Orexin Neurons in Mice Results in Narcolepsy, Hypophagia, and Obesity. Neuron, 2001, 30, 345-354.	3.8	1,307
3	Hypothalamic Orexin Neurons Regulate Arousal According to Energy Balance in Mice. Neuron, 2003, 38, 701-713.	3.8	833
4	To Eat or to Sleep? Orexin in the Regulation of Feeding and Wakefulness. Annual Review of Neuroscience, 2001, 24, 429-458.	5.0	701
5	Distinct Narcolepsy Syndromes in Orexin Receptor-2 and Orexin Null Mice. Neuron, 2003, 38, 715-730.	3.8	603
6	Orexin (Hypocretin) Neurons Contain Dynorphin. Journal of Neuroscience, 2001, 21, RC168-RC168.	1.7	365
7	Involvement of the Lateral Hypothalamic Peptide Orexin in Morphine Dependence and Withdrawal. Journal of Neuroscience, 2003, 23, 3106-3111.	1.7	335
8	Real-Time Magnetic Resonance-Guided Stereotactic Laser Amygdalohippocampotomy for Mesial Temporal Lobe Epilepsy. Neurosurgery, 2014, 74, 569-585.	0.6	314
9	From The Cover: Orexin peptides prevent cataplexy and improve wakefulness in an orexin neuron-ablated model of narcolepsy in mice. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4649-4654.	3.3	312
10	Better object recognition and naming outcome with <scp>MRI</scp>â€guided stereotactic laser amygdalohippocampotomy for temporal lobe epilepsy. Epilepsia, 2015, 56, 101-113.	2.6	276
11	Enhanced Orexin Receptor-2 Signaling Prevents Diet-Induced Obesity and Improves Leptin Sensitivity. Cell Metabolism, 2009, 9, 64-76.	7.2	235
12	A Consensus Definition of Cataplexy in Mouse Models of Narcolepsy. Sleep, 2009, 32, 111-116.	0.6	144
13	Stereotactic laser amygdalohippocampotomy for mesial temporal lobe epilepsy. Annals of Neurology, 2018, 83, 575-587.	2.8	129
14	Direct electrical stimulation of the amygdala enhances declarative memory in humans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 98-103.	3.3	121
15	Cortical Potentials Evoked by Subthalamic Stimulation Demonstrate a Short Latency Hyperdirect Pathway in Humans. Journal of Neuroscience, 2018, 38, 9129-9141.	1.7	118
16	The Role of Stereotactic Laser Amygdalohippocampotomy in Mesial Temporal Lobe Epilepsy. Neurosurgery Clinics of North America, 2016, 27, 37-50.	0.8	112
17	Magnetic Resonance Thermometry-Guided Stereotactic Laser Ablation of Cavernous Malformations in Drug-Resistant Epilepsy. Operative Neurosurgery, 2016, 12, 39-48.	0.4	78
18	Human amygdala stimulation effects on emotion physiology and emotional experience. Neuropsychologia, 2020, 145, 106722.	0.7	72

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19	Controlled Cortical Impact Traumatic Brain Injury Acutely Disrupts Wakefulness and Extracellular Orexin Dynamics as Determined by Intracerebral Microdialysis in Mice. Journal of Neurotrauma, 2012, 29, 1908-1921.	1.7	66
20	Laser Interstitial Thermal Therapy for Mesial Temporal Lobe Epilepsy. Neurosurgery, 2016, 79, S83-S91.	0.6	61
21	Laser Interstitial Thermal Therapy Technology, Physics of Magnetic Resonance Imaging Thermometry, and Technical Considerations for Proper Catheter Placement During Magnetic Resonance Imagingâ€“Guided Laser Interstitial Thermal Therapy. Neurosurgery, 2016, 79, S8-S16.	0.6	54
22	Sexual intercourse and cerebral aneurysmal rupture: potential mechanisms and precipitants. Journal of Neurosurgery, 2011, 114, 969-977.	0.9	50
23	Cholinergic Modulation of Narcoleptic Attacks in Double Orexin Receptor Knockout Mice. PLoS ONE, 2011, 6, e18697.	1.1	49
24	Safety and effectiveness of stereotactic laser ablation for epileptogenic cerebral cavernous malformations. Epilepsia, 2019, 60, 220-232.	2.6	49
25	Restoring Conscious Arousal During Focal Limbic Seizures with Deep Brain Stimulation. Cerebral Cortex, 2017, 27, bhw035.	1.6	46
26	Ectopic Overexpression of Orexin Alters Sleep/Wakefulness States and Muscle Tone Regulation during REM Sleep in Mice. Journal of Molecular Neuroscience, 2011, 43, 155-161.	1.1	43
27	Application of highâ€frequency Granger causality to analysis of epileptic seizures and surgical decision making. Epilepsia, 2014, 55, 2038-2047.	2.6	41
28	Neurostimulation to improve level of consciousness in patients with epilepsy. Neurosurgical Focus, 2015, 38, E10.	1.0	41
29	Cingulum stimulation enhances positive affect and anxiolysis to facilitate awake craniotomy. Journal of Clinical Investigation, 2019, 129, 1152-1166.	3.9	40
30	Single-Neuron Representations of Spatial Targets in Humans. Current Biology, 2020, 30, 245-253.e4.	1.8	37
31	Stereotactic MRIâ€guided laser interstitial thermal therapy for extratemporal lobe epilepsy. Epilepsia, 2020, 61, 1723-1734.	2.6	33
32	Memory retrieval modulates spatial tuning of single neurons in the human entorhinal cortex. Nature Neuroscience, 2019, 22, 2078-2086.	7.1	28
33	Temporal profile of improvement of tardive dystonia after globus pallidus deep brain stimulation. Parkinsonism and Related Disorders, 2015, 21, 116-119.	1.1	27
34	Synergistic Activation of Transcription by Physiologically Unrelated Transcription Factors through Cooperative DNA-Binding. Biochemical and Biophysical Research Communications, 1998, 247, 530-535.	1.0	20
35	Case Series: Unilateral Amygdala Ablation Ameliorates Post-Traumatic Stress Disorder Symptoms and Biomarkers. Neurosurgery, 2020, 87, 796-802.	0.6	20
36	Multi-objective data-driven optimization for improving deep brain stimulation in Parkinsonâ€™s disease. Journal of Neural Engineering, 2021, 18, 046046.	1.8	20

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37	Reversible Obstructive Hydrocephalus from Hypertensive Encephalopathy. Neurocritical Care, 2012, 16, 433-439.	1.2	16
38	Supervised and unsupervised machine learning for automated scoring of sleepâ€“wake and cataplexy in a mouse model of narcolepsy. Sleep, 2020, 43, .	0.6	16
39	Mechanisms and Risk Factors Contributing to Visual Field Deficits following Stereotactic Laser Amygdalohippocampotomy. Stereotactic and Functional Neurosurgery, 2019, 97, 255-265.	0.8	14
40	Magnetic resonance-guided laser interstitial thermal therapy for posterior fossa neoplasms. Journal of Neuro-Oncology, 2020, 149, 533-542.	1.4	14
41	Superior Verbal Memory Outcome After Stereotactic Laser Amygdalohippocampotomy. Frontiers in Neurology, 2021, 12, 779495.	1.1	14
42	Clinical outcomes of globus pallidus deep brain stimulation for Parkinson disease: a comparison of intraoperative MRIâ€ and MER-guided lead placement. Journal of Neurosurgery, 2021, 134, 1072-1082.	0.9	11
43	MRI-guided stereotactic laser corpus callosotomy for epilepsy: distinct methods and outcomes. Journal of Neurosurgery, 2021, 135, 770-782.	0.9	11
44	Centromedian thalamic deep brain stimulation for drug-resistant epilepsy: single-center experience. Journal of Neurosurgery, 2022, 137, 1591-1600.	0.9	10
45	Deep brain stimulation of the centromedian thalamic nucleus for essential tremor: a case report. Acta Neurochirurgica, 2017, 159, 789-793.	0.9	9
46	Computer-assisted planning for minimally invasive anterior two-thirds laser corpus callosotomy: A feasibility study with probabilistic tractography validation. NeuroImage: Clinical, 2020, 25, 102174.	1.4	8
47	Feasibility and Morbidity of Magnetic Resonance Imaging-Guided Stereotactic Laser Ablation of Deep Cerebral Cavernous Malformations: A Report of 4 Cases. Neurosurgery, 2021, 89, 635-644.	0.6	7
48	Robot Assisted MRI-Guided LITT of the Anterior, Lateral, and Medial Temporal Lobe for Temporal Lobe Epilepsy. Frontiers in Neurology, 2020, 11, 572334.	1.1	6
49	Deep brain stimulation of hypothalamus for narcolepsy-cataplexy in mice. Brain Stimulation, 2020, 13, 1305-1316.	0.7	6
50	MRI-Guided Stereotactic Laser Ablation. , 2015, , 375-403.		5
51	MRIâ€guided stereotactic neurosurgical procedures in a diagnostic MRI suite: Background and safe practice recommendations. Journal of Healthcare Risk Management: the Journal of the American Society for Healthcare Risk Management, 2017, 37, 31-39.	0.3	5
52	The baric probe: a novel long-term implantable intracranial pressure monitor with ultrasound-based interrogation. Journal of Neurosurgery: Pediatrics, 2012, 10, 518-524.	0.8	4
53	Beyond Therapeutic Nihilism? The Neurosurgical Treatment of Intracerebral Hemorrhage. World Neurosurgery, 2013, 80, e135-e137.	0.7	4
54	Response to Journal Club. Neurosurgery, 2015, 77, E502-E504.	0.6	4

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55	Identifying the neurophysiological effects of memory-enhancing amygdala stimulation using interpretable machine learning. Brain Stimulation, 2021, 14, 1511-1519.	0.7	4
56	Amygdala Stimulation Leads to Functional Network Connectivity State Transitions in the Hippocampus. , 2020, 2020, 3625-3628.		3
57	Withdrawal of antiepileptic drugs after stereotactic laser amygdalohippocampotomy for mesial temporal lobe epilepsy. Epilepsy Research, 2021, 176, 106721.	0.8	2
58	Open surgery or laser interstitial thermal therapy for low-grade epilepsy-associated tumors of the temporal lobe: A single-institution consecutive series. Epilepsy and Behavior, 2022, 130, 108659.	0.9	2
59	In response: Naming and recognition after laser amygdalohippocampotomy: Is the hippocampus involved?. Epilepsia, 2015, 56, 1318-1319.	2.6	1
60	Letter: Magnetic Resonance Imaging-Guided Laser Interstitial Thermal Therapy for Epilepsy: Systematic Review of Technique, Indications, and Outcomes. Neurosurgery, 2020, 87, E438-E439.	0.6	1
61	Reduced gray-white matter contrast localizes the motor cortex on double inversion recovery (DIR) 3T MRI. Neuroradiology, 2021, 63, 1071-1078.	1.1	1
62	Role of hypothalamic orexin neurons in the regulation of arousal according to energy balance. Sleep and Biological Rhythms, 2004, 2, S57-S57.	0.5	0
63	Percutaneous selective laser amygdalo-hippocampectomy (SLAH) for treatment of mesial temporal lobe epilepsy within an interventional MRI suite. Photonics & Lasers in Medicine, 2014, 3, .	0.3	0
64	2383. Journal of Clinical and Translational Science, 2017, 1, 64-64.	0.3	0
65	LITT in the Treatment of Adult Epilepsy. , 2020, , 85-104.		0