

William C Stacey

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

3,833
citations

236612

25
h-index

133063

59
g-index

68
all docs

68
docs citations

68
times ranked

4410
citing authors

#	ARTICLE	IF	CITATIONS
1	Visual cortex responds to sound onset and offset during passive listening. <i>Journal of Neurophysiology</i> , 2022, 127, 1547-1563.	0.9	6
2	Protocol for multicentre comparison of interictal high-frequency oscillations as a predictor of seizure freedom. <i>Brain Communications</i> , 2022, 4, .	1.5	7
3	Interictal high frequency background activity as a biomarker of epileptogenic tissue. <i>Brain Communications</i> , 2021, 3, fcab188.	1.5	8
4	Extracorporeal Cardiopulmonary Resuscitation for Refractory Out-of-Hospital Cardiac Arrest (EROCA): Results of a Randomized Feasibility Trial of Expedited Out-of-Hospital Transport. <i>Annals of Emergency Medicine</i> , 2021, 78, 92-101.	0.3	61
5	A minority of patients with functional seizures have abnormalities on neuroimaging. <i>Journal of the Neurological Sciences</i> , 2021, 427, 117548.	0.3	9
6	Visual speech differentially modulates beta, theta, and high gamma bands in auditory cortex. <i>European Journal of Neuroscience</i> , 2021, 54, 7301-7317.	1.2	8
7	The accuracy of quantitative EEG biomarker algorithms depends upon seizure onset dynamics. <i>Epilepsy Research</i> , 2021, 176, 106702.	0.8	4
8	Emerging roles of network analysis for epilepsy. <i>Epilepsy Research</i> , 2020, 159, 106255.	0.8	49
9	Preictal variability of high-frequency oscillation rates in refractory epilepsy. <i>Epilepsia</i> , 2020, 61, 2521-2533.	2.6	5
10	Quantifying epileptogenesis in rats with spontaneous and responsive brain state dynamics. <i>Brain Communications</i> , 2020, 2, fcaa048.	1.5	13
11	Viability of Preictal High-Frequency Oscillation Rates as a Biomarker for Seizure Prediction. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 612899.	1.0	12
12	Comparison of signal decomposition techniques for analysis of human cortical signals. <i>Journal of Neural Engineering</i> , 2020, 17, 056014.	1.8	7
13	Distinguishing false and true positive detections of high frequency oscillations. <i>Journal of Neural Engineering</i> , 2020, 17, 056005.	1.8	12
14	A taxonomy of seizure dynamotypes. <i>ELife</i> , 2020, 9, .	2.8	86
15	Use and Future Prospects of in Vivo Microdialysis for Epilepsy Studies. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1875-1883.	1.7	19
16	Joint Encoding of Auditory Timing and Location in Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1002-1017.	1.1	11
17	Redaction of false high frequency oscillations due to muscle artifact improves specificity to epileptic tissue. <i>Clinical Neurophysiology</i> , 2019, 130, 976-985.	0.7	17
18	Graph theory for EEG: can we learn to trust another black box?. <i>Brain</i> , 2019, 142, 3663-3666.	3.7	3

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19	Chemical biomarkers of epileptogenesis and ictogenesis in experimental epilepsy. <i>Neurobiology of Disease</i> , 2019, 121, 177-186.	2.1	23
20	Using network analysis to localize the epileptogenic zone from invasive EEG recordings in intractable focal epilepsy. <i>Network Neuroscience</i> , 2018, 2, 218-240.	1.4	40
21	Seizure Prediction Is Possible—Now Let's Make It Practical. <i>EBioMedicine</i> , 2018, 27, 3-4.	2.7	28
22	The effect of increased intracranial EEG sampling rates in clinical practice. <i>Clinical Neurophysiology</i> , 2018, 129, 360-367.	0.7	17
23	Variability in the location of high frequency oscillations during prolonged intracranial EEG recordings. <i>Nature Communications</i> , 2018, 9, 2155.	5.8	113
24	Robust tactile sensory responses in finger area of primate motor cortex relevant to prosthetic control. <i>Journal of Neural Engineering</i> , 2017, 14, 046016.	1.8	18
25	Valproic Acid Combined With Postcardiac Arrest Hypothermic-Targeted Temperature Management Prevents Delayed Seizures and Improves Survival in a Rat Cardiac Arrest Model. <i>Critical Care Medicine</i> , 2017, 45, e1149-e1156.	0.4	18
26	Update on the mechanisms and roles of high-frequency oscillations in seizures and epileptic disorders. <i>Epilepsia</i> , 2017, 58, 1330-1339.	2.6	145
27	Control of in vivo ictogenesis via endogenous synaptic pathways. <i>Scientific Reports</i> , 2017, 7, 1311.	1.6	9
28	Standards for data acquisition and software-based analysis of in vivo electroencephalography recordings from animals. A TASK 1 WG 5 report of the AES/ ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017, 58, 53-67.	2.6	18
29	Emergence of Narrowband High Frequency Oscillations from Asynchronous, Uncoupled Neural Firing. <i>International Journal of Neural Systems</i> , 2017, 27, 1650049.	3.2	13
30	2014 Epilepsy Benchmarks Area III: Improve Treatment Options for Controlling Seizures and Epilepsy-Related Conditions without Side Effects. <i>Epilepsy Currents</i> , 2016, 16, 192-197.	0.4	10
31	Thrombolytic-Enhanced Extracorporeal Cardiopulmonary Resuscitation After Prolonged Cardiac Arrest. <i>Critical Care Medicine</i> , 2016, 44, e58-e69.	0.4	10
32	The intrinsic value of HFO features as a biomarker of epileptic activity. , 2016, 2016, 6290-6294.		7
33	Effect of sampling rate and filter settings on High Frequency Oscillation detections. <i>Clinical Neurophysiology</i> , 2016, 127, 3042-3050.	0.7	24
34	Enabling Low-Power, Multi-Modal Neural Interfaces Through a Common, Low-Bandwidth Feature Space. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2016, 24, 521-531.	2.7	37
35	Universal automated high frequency oscillation detector for real-time, long term EEG. <i>Clinical Neurophysiology</i> , 2016, 127, 1057-1066.	0.7	86
36	Abby—Normal? a New Gold Standard for Identifying Normal High Frequency Oscillations. <i>Epilepsy Currents</i> , 2015, 15, 211-212.	0.4	3

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37	Clearly, Graphene is the New Gold. <i>Epilepsy Currents</i> , 2015, 15, 351-352.	0.4	2
38	Reality EEG: Proving the Similarity between Spontaneous and Induced Seizures. <i>Epilepsy Currents</i> , 2015, 15, 136-137.	0.4	1
39	Network Mechanisms Generating Abnormal and Normal Hippocampal High-Frequency Oscillations: A Computational Analysis. <i>ENeuro</i> , 2015, 2, ENEURO.0024-15.2015.	0.9	37
40	Part 4: Advanced life support. <i>Resuscitation</i> , 2015, 95, e71-e120.	1.3	234
41	Part 4: Advanced Life Support. <i>Circulation</i> , 2015, 132, S84-145.	1.6	560
42	Recording from over 1,000 Cells: A New Toy in Place for Epilepsy Research?. <i>Epilepsy Currents</i> , 2014, 14, 95-96.	0.4	1
43	On the nature of seizure dynamics. <i>Brain</i> , 2014, 137, 2210-2230.	3.7	598
44	Potential for unreliable interpretation of <sc>EEG</sc> recorded with microelectrodes. <i>Epilepsia</i> , 2013, 54, 1391-1401.	2.6	25
45	Optogenetics in epilepsy. <i>Neurosurgical Focus</i> , 2013, 34, E4.	1.0	29
46	Temporal changes of neocortical high-frequency oscillations in epilepsy. <i>Journal of Neurophysiology</i> , 2013, 110, 1167-1179.	0.9	55
47	Signal distortion from microelectrodes in clinical EEG acquisition systems. <i>Journal of Neural Engineering</i> , 2012, 9, 056007.	1.8	18
48	Dyeing to be Fired: Firing Order Distinguishes Two Types of Bursting Activity. <i>Epilepsy Currents</i> , 2012, 12, 176-177.	0.4	1
49	Better Resolution and Fewer Wires Discover Epileptic Spiral Waves. <i>Epilepsy Currents</i> , 2012, 12, 147-149.	0.4	9
50	Data mining neocortical high-frequency oscillations in epilepsy and controls. <i>Brain</i> , 2011, 134, 2948-2959.	3.7	122
51	Network recruitment to coherent oscillations in a hippocampal computer model. <i>Journal of Neurophysiology</i> , 2011, 105, 1464-1481.	0.9	21
52	What is the present-day EEG evidence for a preictal state?. <i>Epilepsy Research</i> , 2011, 97, 243-251.	0.8	75
53	Synaptic Noise and Physiological Coupling Generate High-Frequency Oscillations in a Hippocampal Computational Model. <i>Journal of Neurophysiology</i> , 2009, 102, 2342-2357.	0.9	54
54	Technology Insight: neuroengineering and epilepsyâ€”designing devices for seizure control. <i>Nature Clinical Practice Neurology</i> , 2008, 4, 190-201.	2.7	194

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55	Glycogen synthase kinase 3 has a limited role in cell cycle regulation of cyclin D1 levels. BMC Cell Biology, 2006, 7, 33.	3.0	48
56	Local Suppression of Epileptiform Activity by Electrical Stimulation in Rat Hippocampus In Vitro. Journal of Physiology, 2003, 547, 427-434.	1.3	159
57	Noise and Coupling Affect Signal Detection and Bursting in a Simulated Physiological Neural Network. Journal of Neurophysiology, 2002, 88, 2598-2611.	0.9	45
58	Synaptic Noise Improves Detection of Subthreshold Signals in Hippocampal CA1 Neurons. Journal of Neurophysiology, 2001, 86, 1104-1112.	0.9	129
59	Suppression of epileptiform activity by high frequency sinusoidal fields in rat hippocampal slices. Journal of Physiology, 2001, 531, 181-191.	1.3	211
60	Stochastic Resonance Improves Signal Detection in Hippocampal CA1 Neurons. Journal of Neurophysiology, 2000, 83, 1394-1402.	0.9	190
61	Surface Charge and Lanthanum Block of Calcium Current in Bullfrog Sympathetic Neurons. Biophysical Journal, 1998, 74, 2278-2284.	0.2	33