

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	On the nature of seizure dynamics. <i>Brain</i> , 2014, 137, 2210-2230.	3.7	598
2	Part 4: Advanced Life Support. <i>Circulation</i> , 2015, 132, S84-145.	1.6	560
3	Part 4: Advanced life support. <i>Resuscitation</i> , 2015, 95, e71-e120.	1.3	234
4	Suppression of epileptiform activity by high frequency sinusoidal fields in rat hippocampal slices. <i>Journal of Physiology</i> , 2001, 531, 181-191.	1.3	211
5	Technology Insight: neuroengineering and epilepsy—designing devices for seizure control. <i>Nature Clinical Practice Neurology</i> , 2008, 4, 190-201.	2.7	194
6	Stochastic Resonance Improves Signal Detection in Hippocampal CA1 Neurons. <i>Journal of Neurophysiology</i> , 2000, 83, 1394-1402.	0.9	190
7	Local Suppression of Epileptiform Activity by Electrical Stimulation in Rat Hippocampus In Vitro. <i>Journal of Physiology</i> , 2003, 547, 427-434.	1.3	159
8	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
9	Synaptic Noise Improves Detection of Subthreshold Signals in Hippocampal CA1 Neurons. <i>Journal of Neurophysiology</i> , 2001, 86, 1104-1112.	0.9	129
10	Data mining neocortical high-frequency oscillations in epilepsy and controls. <i>Brain</i> , 2011, 134, 2948-2959.	3.7	122
11	Variability in the location of high frequency oscillations during prolonged intracranial EEG recordings. <i>Nature Communications</i> , 2018, 9, 2155.	5.8	113
12	Universal automated high frequency oscillation detector for real-time, long term EEG. <i>Clinical Neurophysiology</i> , 2016, 127, 1057-1066.	0.7	86
13	A taxonomy of seizure dynamotypes. <i>ELife</i> , 2020, 9, .	2.8	86
14	What is the present-day EEG evidence for a preictal state?. <i>Epilepsy Research</i> , 2011, 97, 243-251.	0.8	75
15	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
16	Temporal changes of neocortical high-frequency oscillations in epilepsy. <i>Journal of Neurophysiology</i> , 2013, 110, 1167-1179.	0.9	55
17	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
18	Emerging roles of network analysis for epilepsy. <i>Epilepsy Research</i> , 2020, 159, 106255.	0.8	49

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19	Glycogen synthase kinase 3 has a limited role in cell cycle regulation of cyclin D1 levels. <i>BMC Cell Biology</i> , 2006, 7, 33.	3.0	48
20	Noise and Coupling Affect Signal Detection and Bursting in a Simulated Physiological Neural Network. <i>Journal of Neurophysiology</i> , 2002, 88, 2598-2611.	0.9	45
21	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
22	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
23	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
24	Surface Charge and Lanthanum Block of Calcium Current in Bullfrog Sympathetic Neurons. <i>Biophysical Journal</i> , 1998, 74, 2278-2284.	0.2	33
25	Optogenetics in epilepsy. <i>Neurosurgical Focus</i> , 2013, 34, E4.	1.0	29
26	Seizure Prediction Is Possible—Now Let's Make It Practical. <i>EBioMedicine</i> , 2018, 27, 3-4.	2.7	28
27	Potential for unreliable interpretation of <sc>EEG</sc> recorded with microelectrodes. <i>Epilepsia</i> , 2013, 54, 1391-1401.	2.6	25
28	Effect of sampling rate and filter settings on High Frequency Oscillation detections. <i>Clinical Neurophysiology</i> , 2016, 127, 3042-3050.	0.7	24
29	Chemical biomarkers of epileptogenesis and ictogenesis in experimental epilepsy. <i>Neurobiology of Disease</i> , 2019, 121, 177-186.	2.1	23
30	Network recruitment to coherent oscillations in a hippocampal computer model. <i>Journal of Neurophysiology</i> , 2011, 105, 1464-1481.	0.9	21
31	Use and Future Prospects of in Vivo Microdialysis for Epilepsy Studies. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1875-1883.	1.7	19
32	Signal distortion from microelectrodes in clinical EEG acquisition systems. <i>Journal of Neural Engineering</i> , 2012, 9, 056007.	1.8	18
33	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
34	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
35	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
36	The effect of increased intracranial EEG sampling rates in clinical practice. <i>Clinical Neurophysiology</i> , 2018, 129, 360-367.	0.7	17

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37	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
38	Emergence of Narrowband High Frequency Oscillations from Asynchronous, Uncoupled Neural Firing. <i>International Journal of Neural Systems</i> , 2017, 27, 1650049.	3.2	13
39	Quantifying epileptogenesis in rats with spontaneous and responsive brain state dynamics. <i>Brain Communications</i> , 2020, 2, fcaa048.	1.5	13
40	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
41	Distinguishing false and true positive detections of high frequency oscillations. <i>Journal of Neural Engineering</i> , 2020, 17, 056005.	1.8	12
42	Joint Encoding of Auditory Timing and Location in Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1002-1017.	1.1	11
43	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
44	Thrombolytic-Enhanced Extracorporeal Cardiopulmonary Resuscitation After Prolonged Cardiac Arrest. <i>Critical Care Medicine</i> , 2016, 44, e58-e69.	0.4	10
45	Better Resolution and Fewer Wires Discover Epileptic Spiral Waves. <i>Epilepsy Currents</i> , 2012, 12, 147-149.	0.4	9
46	Control of in vivo ictogenesis via endogenous synaptic pathways. <i>Scientific Reports</i> , 2017, 7, 1311.	1.6	9
47	A minority of patients with functional seizures have abnormalities on neuroimaging. <i>Journal of the Neurological Sciences</i> , 2021, 427, 117548.	0.3	9
48	Interictal high frequency background activity as a biomarker of epileptogenic tissue. <i>Brain Communications</i> , 2021, 3, fcab188.	1.5	8
49	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
50	The intrinsic value of HFO features as a biomarker of epileptic activity. , 2016, 2016, 6290-6294.		7
51	Comparison of signal decomposition techniques for analysis of human cortical signals. <i>Journal of Neural Engineering</i> , 2020, 17, 056014.	1.8	7
52	Protocol for multicentre comparison of interictal high-frequency oscillations as a predictor of seizure freedom. <i>Brain Communications</i> , 2022, 4, .	1.5	7
53	Visual cortex responds to sound onset and offset during passive listening. <i>Journal of Neurophysiology</i> , 2022, 127, 1547-1563.	0.9	6
54	Preictal variability of high-frequency oscillation rates in refractory epilepsy. <i>Epilepsia</i> , 2020, 61, 2521-2533.	2.6	5

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55	The accuracy of quantitative EEG biomarker algorithms depends upon seizure onset dynamics. <i>Epilepsy Research</i> , 2021, 176, 106702.	0.8	4
56	Abbyâ€¦ Normal? a New Gold Standard for Identifying Normal High Frequency Oscillations. <i>Epilepsy Currents</i> , 2015, 15, 211-212.	0.4	3
57	Graph theory for EEG: can we learn to trust another black box?. <i>Brain</i> , 2019, 142, 3663-3666.	3.7	3
58	Clearly, Graphene is the New Gold. <i>Epilepsy Currents</i> , 2015, 15, 351-352.	0.4	2
59	Dyeing to be Fired: Firing Order Distinguishes Two Types of Bursting Activity. <i>Epilepsy Currents</i> , 2012, 12, 176-177.	0.4	1
60	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
61	Reality EEG: Proving the Similarity between Spontaneous and Induced Seizures. <i>Epilepsy Currents</i> , 2015, 15, 136-137.	0.4	1