

# Bruce Gluckman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1290571/publications.pdf>

Version: 2024-02-01

25  
papers

1,185  
citations

759233

12  
h-index

642732

23  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of an unscented Kalman filter for an embedded platform. Computers in Biology and Medicine, 2022, 146, 105557.	7.0	1
2	Model-based analysis and forecast of sleep-wake regulatory dynamics: Tools and applications to data. Chaos, 2021, 31, 013139.	2.5	4
3	Functional hyperemia drives fluid exchange in the paravascular space. Fluids and Barriers of the CNS, 2020, 17, 52.	5.0	42
4	Toward a Wearable Data Assimilation Platform. , 2019, , .		1
5	Optimal-channel Selection Algorithms in Mental Tasks based Brain-computer Interface. , 2018, , .		7
6	Mechanistic machine learning: how data assimilation leverages physiologic knowledge using Bayesian inference to forecast the future, infer the present, and phenotype. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1392-1401.	4.4	30
7	A Brain-Heart Biomarker for Epileptogenesis. Journal of Neuroscience, 2018, 38, 8473-8483.	3.6	15
8	Control of Spreading Depression with Electrical Fields. Scientific Reports, 2018, 8, 8769.	3.3	8
9	The systemDrive: a Multisite, Multiregion Microdrive with Independent Drive Axis Angling for Chronic Multimodal Systems Neuroscience Recordings in Freely Behaving Animals. ENeuro, 2018, 5, ENEURO.0261-18.2018.	1.9	16
10	A Murine Model to Study Epilepsy and SUDEP Induced by Malaria Infection. Scientific Reports, 2017, 7, 43652.	3.3	12
11	Personalized glucose forecasting for type 2 diabetes using data assimilation. PLoS Computational Biology, 2017, 13, e1005232.	3.2	74
12	The neural basis for sleep regulation - Data assimilation from animal to model. , 2016, 2016, 1061-1065.		3
13	A Flexible Vanadium Oxide Thermistor Array for Localized Temperature Field Measurements in Brain. IEEE Sensors Journal, 2016, 16, 2211-2212.	4.7	10
14	Rapid Eye Movement Sleep and Hippocampal Theta Oscillations Precede Seizure Onset in the Tetanus Toxin Model of Temporal Lobe Epilepsy. Journal of Neuroscience, 2014, 34, 1105-1114.	3.6	59
15	Statistical evaluation of forecasts. Physical Review E, 2014, 90, 022133.	2.1	2
16	OBSERVING THE SLEEP-WAKE REGULATORY SYSTEM TO IMPROVE PREDICTION OF SEIZURES. , 2013, , .		1
17	Reconstructing Mammalian Sleep Dynamics with Data Assimilation. PLoS Computational Biology, 2012, 8, e1002788.	3.2	29
18	Micro-reaction chamber electrodes for neural stimulation and recording. , 2011, 2011, 656-9.		5

#	ARTICLE	IF	CITATIONS
19	Experimental nonlinear dynamics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 2143-2146.	3.4	1
20	Improved sleep-wake and behavior discrimination using MEMS accelerometers. Journal of Neuroscience Methods, 2007, 163, 373-383.	2.5	35
21	Control of Traveling Waves in the Mammalian Cortex. Physical Review Letters, 2005, 94, 028103.	7.8	103
22	In Vivo Modulation of Hippocampal Epileptiform Activity with Radial Electric Fields. Epilepsia, 2003, 44, 768-777.	5.1	65
23	Sensitivity of Neurons to Weak Electric Fields. Journal of Neuroscience, 2003, 23, 7255-7261.	3.6	252
24	Adaptive Electric Field Control of Epileptic Seizures. Journal of Neuroscience, 2001, 21, 590-600.	3.6	193
25	Electric field suppression of epileptiform activity in hippocampal slices. Journal of Neurophysiology, 1996, 76, 4202-4205.	1.8	193