Theodoros P Zanos

List of Publications by Year
in descending order

43	8,771	489802 18	511568 30
papers	citations	h-index	g-index

51	51	51	23482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reply: In machine learning, the devil is in the details. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, e103-e106.	0.4	0
2	Efficacy of continuous monitoring of maternal temperature during labor using wireless axillary sensors. Journal of Clinical Monitoring and Computing, 2022, 36, 103-107.	0.7	1
3	A fully implantable wireless bidirectional neuromodulation system for mice. Biosensors and Bioelectronics, 2022, 200, 113886.	5.3	21
4	Understanding Mental Health Needs and Gathering Feedback on Transcutaneous Auricular Vagus Nerve Stimulation as a Potential PTSD Treatment among 9/11 Responders Living with PTSD Symptoms 20 Years Later: A Qualitative Approach. International Journal of Environmental Research and Public Health, 2022, 19, 4847.	1.2	1
5	Long-range cortical synchronization supports abrupt visual learning. Current Biology, 2022, 32, 2467-2479.e4.	1.8	4
6	Transcutaneous auricular vagus nerve stimulation reduces pain and fatigue in patients with systemic lupus erythematosus: a randomised, double-blind, sham-controlled pilot trial. Annals of the Rheumatic Diseases, 2021, 80, 203-208.	0.5	82
7	External validation demonstrates limited clinical utility of the interpretable mortality prediction model for patients with COVID-19. Nature Machine Intelligence, 2021, 3, 25-27.	8.3	45
8	A Machine Learning Prediction Model of Respiratory Failure Within 48 Hours of Patient Admission for COVID-19: Model Development and Validation. Journal of Medical Internet Research, 2021, 23, e24246.	2.1	77
9	Development and characterization of a chronic implant mouse model for vagus nerve stimulation. ELife, 2021, 10, .	2.8	28
10	Noninvasive, multimodal assessment of physiological responses to transcutaneous auricular vagus nerve stimulation. , 2021, , .		1
11	The Fourth Bioelectronic Medicine Summit â€œTechnology Targeting Molecular Mechanismsâ€: current progress, challenges, and charting the future. Bioelectronic Medicine, 2021, 7, 7.	1.0	5
12	Spatiotemporally specific roles of TLR4, TNF, and IL-17A in murine endotoxin-induced inflammation inferred from analysis of dynamic networks. Molecular Medicine, 2021, 27, 65.	1.9	14
13	A method to quantify autonomic nervous system function in healthy, able-bodied individuals. Bioelectronic Medicine, 2021, 7, 13.	1.0	14
14	Towards Personalized Closed-Loop Mechanical CPR: A Model Relating Carotid Blood Flow to Chest Compression Rate and Duration. IEEE Transactions on Biomedical Engineering, 2020, 67, 1253-1262.	2.5	4
15	An impedance matching algorithm for common-mode interference removal in vagus nerve recordings. Journal of Neuroscience Methods, 2020, 330, 108467.	1.3	10
16	Single-axon level automatic segmentation and feature extraction from immuhistochemical images of peripheral nerves. , 2020, 2020, 1859-1862.		3
17	Machine learning to assist clinical decision-making during the COVID-19 pandemic. Bioelectronic Medicine, 2020, 6, 14.	1.0	66
18	Let Sleeping Patients Lie, avoiding unnecessary overnight vitals monitoring using a clinically based deep-learning model. Npj Digital Medicine, 2020, 3, 149.	5.7	10

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19	Quantitative estimation of nerve fiber engagement by vagus nerve stimulation using physiological markers. Brain Stimulation, 2020, 13, 1617-1630.	0.7	52
20	Anodal block permits directional vagus nerve stimulation. Scientific Reports, 2020, 10, 9221.	1.6	34
21	Presenting Characteristics, Comorbidities, and Outcomes Among 5700 Patients Hospitalized With COVID-19 in the New York City Area. JAMA - Journal of the American Medical Association, 2020, 323, 2052.	3.8	7,474
22	Identification of hypoglycemia-specific neural signals by decoding murine vagus nerve activity. Bioelectronic Medicine, 2019, 5, 9.	1.0	26
23	Recording and Decoding of Vagal Neural Signals Related to Changes in Physiological Parameters and Biomarkers of Disease. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a034157.	2.9	24
24	Interview with Dr Theodoros Zanos: untangling the inflammatory reflex. Bioelectronics in Medicine, 2018, 1, 179-181.	2.0	0
25	Identification of cytokine-specific sensory neural signals by decoding murine vagus nerve activity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4843-E4852.	3.3	147
26	Transcranial Direct Current Stimulation Facilitates Associative Learning and Alters Functional Connectivity in the Primate Brain. Current Biology, 2017, 27, 3086-3096.e3.	1.8	114
27	Mechanisms of Saccadic Suppression in Primate Cortical Area V4. Journal of Neuroscience, 2016, 36, 9227-9239.	1.7	30
28	A Sensorimotor Role for Traveling Waves in Primate Visual Cortex. Neuron, 2015, 85, 615-627.	3.8	108
29	Local field potentials reflect multiple spatial scales in V4. Frontiers in Computational Neuroscience, 2013, 7, 21.	1.2	19
30	Relationships between spike-free local field potentials and spike timing in human temporal cortex. Journal of Neurophysiology, 2012, 107, 1808-1821.	0.9	48
31	Removal of Spurious Correlations Between Spikes and Local Field Potentials. Journal of Neurophysiology, 2011, 105, 474-486.	0.9	155
32	Functional connectivity during surround suppression in macaque area V4. , 2011, 2011, 3342-5.		13
33	Boolean Modeling of Neural Systems with Point-Process Inputs and Outputs. Part II: Application to the Rat Hippocampus. Annals of Biomedical Engineering, 2009, 37, 1668-1682.	1.3	7
34	Boolean Modeling of Neural Systems with Point-Process Inputs and Outputs. Part I: Theory and Simulations. Annals of Biomedical Engineering, 2009, 37, 1654-1667.	1.3	8
35	Nonlinear Modeling of Causal Interrelationships in Neuronal Ensembles. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2008, 16, 336-352.	2.7	50
36	Functional connectivity through nonlinear modeling: An application to the rat hippocampus. , 2008, 2008, 5522-5.		3

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37	Boolean Modeling of Neural Systems with Point-Process Inputs and Outputs. , 2006, 2006, 2114-7.		0
38	VLSI Implementation of a Nonlinear Neuronal Model: A "Neural Prosthesis" to Restore Hippocampal Trisynaptic Dynamics. , 2006, 2006, 4396-9.		16
39	Modeling Hippocampal Nonlinear Dynamic Transformations with Principal Dynamic Modes. , 2006, 2006, 2300-3.		0
40	A multi-input modeling approach to quantify hippocampal nonlinear dynamic transformations. , 2006, 2006, 4967-70.		8
41	Boolean Modeling of Neural Systems with Point-Process Inputs and Outputs. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
42	Modeling Hippocampal Nonlinear Dynamic Transformations with Principal Dynamic Modes. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
43	A multi-input modeling approach to quantify hippocampal nonlinear dynamic transformations. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0