

Yang Zhan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2945798/publications.pdf>

Version: 2024-02-01

27
papers

2,249
citations

516710

16
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

3919
citing authors

#	ARTICLE	IF	CITATIONS
1	Deficient neuron-microglia signaling results in impaired functional brain connectivity and social behavior. <i>Nature Neuroscience</i> , 2014, 17, 400-406.	14.8	958
2	History of winning remodels thalamo-PFC circuit to reinforce social dominance. <i>Science</i> , 2017, 357, 162-168.	12.6	231
3	Prefrontal cortical control of a brainstem social behavior circuit. <i>Nature Neuroscience</i> , 2017, 20, 260-270.	14.8	162
4	Mapping Pathological Phenotypes in a Mouse Model of CDKL5 Disorder. <i>PLoS ONE</i> , 2014, 9, e91613.	2.5	145
5	Detecting time-dependent coherence between non-stationary electrophysiological signals—A combined statistical and time—frequency approach. <i>Journal of Neuroscience Methods</i> , 2006, 156, 322-332.	2.5	108
6	Gender Differences in Regional Brain Activity in Patients with Chronic Primary Insomnia: Evidence from a Resting-State fMRI Study. <i>Journal of Clinical Sleep Medicine</i> , 2016, 12, 363-374.	2.6	94
7	Optogenetic dissection of ictal propagation in the hippocampal—entorhinal cortex structures. <i>Nature Communications</i> , 2016, 7, 10962.	12.8	84
8	A Self—Powered Brain—Linked Vision Electronic—Skin Based on Triboelectric—Photodetecting Pixel—Addressable Matrix for Visual—Image Recognition and Behavior Intervention. <i>Advanced Functional Materials</i> , 2018, 28, 1800275.	14.9	76
9	Self-powered, wireless-control, neural-stimulating electronic skin for in vivo characterization of synaptic plasticity. <i>Nano Energy</i> , 2020, 67, 104182.	16.0	52
10	Learning alters theta amplitude, theta-gamma coupling and neuronal synchronization in inferotemporal cortex. <i>BMC Neuroscience</i> , 2011, 12, 55.	1.9	47
11	Plasticity and Susceptibility of Brain Morphometry Alterations to Insufficient Sleep. <i>Frontiers in Psychiatry</i> , 2018, 9, 266.	2.6	47
12	An artificial triboelectricity-brain-behavior closed loop for intelligent olfactory substitution. <i>Nano Energy</i> , 2019, 63, 103884.	16.0	47
13	A self-powered brain multi-perception receptor for sensory-substitution application. <i>Nano Energy</i> , 2018, 44, 43-52.	16.0	44
14	Fully integrated reflection-mode photoacoustic, two-photon and second harmonic generation microscopy in vivo. <i>Scientific Reports</i> , 2016, 6, 32240.	3.3	33
15	Theta frequency prefrontal—hippocampal driving relationship during free exploration in mice. <i>Neuroscience</i> , 2015, 300, 554-565.	2.3	26
16	A self-powered brain-linked biosensing electronic-skin for actively tasting beverage and its potential application in artificial gustation. <i>Nanoscale</i> , 2018, 10, 19987-19994.	5.6	21
17	A self-powered wearable body-detecting/brain-stimulating system for improving sports endurance performance. <i>Nano Energy</i> , 2022, 93, 106851.	16.0	16
18	Bidirectional modulation of neural plasticity by self-powered neural stimulation. <i>Nano Energy</i> , 2021, 85, 106006.	16.0	15

#	ARTICLE	IF	CITATIONS
19	Acquiring new memories in neocortex of hippocampal-lesioned mice. <i>Nature Communications</i> , 2022, 13, 1601.	12.8	12
20	A Computational Study on Altered Theta-Gamma Coupling during Learning and Phase Coding. <i>PLoS ONE</i> , 2012, 7, e36472.	2.5	9
21	Filtering noise for synchronised activity in multi-trial electrophysiology data using Wiener and Kalman filters. <i>BioSystems</i> , 2009, 96, 1-13.	2.0	7
22	Characterization of exploratory patterns and hippocampalâ€“prefrontal network oscillations during the emergence of free exploration. <i>Science Bulletin</i> , 2021, 66, 2238-2250.	9.0	7
23	A self-powered wearable brainâ€“machine-interface system for ceasing action. <i>Nanoscale</i> , 2022, 14, 4671-4678.	5.6	4
24	Harnessing GABAergic Transmission for Slow Oscillations. <i>Neuroscience Bulletin</i> , 2016, 32, 501-502.	2.9	2
25	Novel Causal Relations between Neuronal Networks due to Synchronization. <i>Cerebral Cortex</i> , 2021, , .	2.9	1
26	A Pilot Study of Neural Stimulation and Motion Intervention via Self-powered Wearable Electronics*. , 2018, , .		0
27	Neuronal Response and Behavioral Modulation in Social Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1284, 43-48.	1.6	0