

Tansu Celikel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7002902/publications.pdf>

Version: 2024-02-01

41
papers

2,113
citations

361413

20
h-index

330143

37
g-index

59
all docs

59
docs citations

59
times ranked

2632
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical detection of adrenaline and hydrogen peroxide on carbon nanotubes. <i>Surface Innovations</i> , 2022, 10, 379-386.	2.3	5
2	Cortical Representation of Touch in Silico. <i>Neuroinformatics</i> , 2022, 20, 1013-1039.	2.8	4
3	Neuromorphic computing hardware and neural architectures for robotics. <i>Science Robotics</i> , 2022, 7, .	17.6	36
4	Electrochemical Detection of Adrenaline on Pyrolytic Electrode Coated with Carbon Nanotubes. , 2021, , .		0
5	Assessing the utility of Magneto to control neuronal excitability in the somatosensory cortex. <i>Nature Neuroscience</i> , 2020, 23, 1044-1046.	14.8	27
6	Real-time contextual feedback for close-loop control of navigation. <i>Journal of Neural Engineering</i> , 2019, 16, 065001.	3.5	5
7	Prominent Inhibitory Projections Guide Sensorimotor Computation: An Invertebrate Perspective. <i>BioEssays</i> , 2019, 41, e1900088.	2.5	11
8	Spectral Weighting Underlies Perceived Sound Elevation. <i>Scientific Reports</i> , 2019, 9, 1642.	3.3	15
9	Neocortical Microdissection at Columnar and Laminar Resolution for Molecular Interrogation. <i>Current Protocols in Neuroscience</i> , 2019, 86, e55.	2.6	10
10	Cellular diversity of the somatosensory cortical map plasticity. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 84, 100-115.	6.1	24
11	An open-source high-speed infrared videography database to study the principles of active sensing in freely navigating rodents. <i>GigaScience</i> , 2018, 7, .	6.4	22
12	A databank for intracellular electrophysiological mapping of the adult somatosensory cortex. <i>GigaScience</i> , 2018, 7, .	6.4	13
13	Neural coding: A single neuron's perspective. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 94, 238-247.	6.1	47
14	Evidence Integration in Natural Acoustic Textures during Active and Passive Listening. <i>ENeuro</i> , 2018, 5, ENEURO.0090-18.2018.	1.9	6
15	Transcriptional mapping of the primary somatosensory cortex upon sensory deprivation. <i>GigaScience</i> , 2017, 6, 1-6.	6.4	11
16	Proteomic landscape of the primary somatosensory cortex upon sensory deprivation. <i>GigaScience</i> , 2017, 6, 1-10.	6.4	10
17	High-precision spatial localization of mouse vocalizations during social interaction. <i>Scientific Reports</i> , 2017, 7, 3017.	3.3	53
18	Reduced Inhibition within Layer IV of Sert Knockout Rat Barrel Cortex is Associated with Faster Sensory Integration. <i>Cerebral Cortex</i> , 2017, 27, 933-949.	2.9	33

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19	Determinants of the mouse ultrasonic vocal structure and repertoire. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 65, 313-325.	6.1	62
20	Somatosensory map expansion and altered processing of tactile inputs in a mouse model of fragile X syndrome. <i>Neurobiology of Disease</i> , 2016, 96, 201-215.	4.4	46
21	Hippocampal GluA1 expression in <i>Gria1</i> ^{-/-} mice only partially restores spatial memory performance deficits. <i>Neurobiology of Learning and Memory</i> , 2016, 135, 83-90.	1.9	27
22	Adaptive Spike Threshold Enables Robust and Temporally Precise Neuronal Encoding. <i>PLoS Computational Biology</i> , 2016, 12, e1004984.	3.2	41
23	A Developmental Switch for Hebbian Plasticity. <i>PLoS Computational Biology</i> , 2015, 11, e1004386.	3.2	12
24	The role of α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptors in depression: Central mediators of pathophysiology and antidepressant activity?. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 52, 193-206.	6.1	77
25	Tactile object localization by anticipatory whisker motion. <i>Journal of Neurophysiology</i> , 2015, 113, 620-632.	1.8	72
26	Impact of Monoaminergic Neuromodulators on the Development of Sensorimotor Circuits. , 2015, , 243-273.		7
27	GluA1 and its PDZ-interaction: A role in experience-dependent behavioral plasticity in the forced swim test. <i>Neurobiology of Disease</i> , 2013, 52, 160-167.	4.4	19
28	Neuromorphic network implementation of the somatosensory cortex. , 2013, , .		3
29	Circuit mechanisms of GluA1-dependent spatial working memory. <i>Hippocampus</i> , 2013, 23, 1359-1366.	1.9	25
30	Loss of Dickkopf-1 Restores Neurogenesis in Old Age and Counteracts Cognitive Decline. <i>Cell Stem Cell</i> , 2013, 12, 204-214.	11.1	260
31	Spontaneous oscillations in intrinsic signals reveal the structure of cerebral vasculature. <i>Journal of Neurophysiology</i> , 2013, 109, 3094-3104.	1.8	14
32	Mapping Functional Brain Activation Using [¹⁴ C]-Iodoantipyrine in Male Serotonin Transporter Knockout Mice. <i>PLoS ONE</i> , 2011, 6, e23869.	2.5	35
33	The Death Receptor CD95 Activates Adult Neural Stem Cells for Working Memory Formation and Brain Repair. <i>Cell Stem Cell</i> , 2009, 5, 178-190.	11.1	120
34	Ongoing in Vivo Experience Triggers Synaptic Metaplasticity in the Neocortex. <i>Science</i> , 2008, 319, 101-104.	12.6	146
35	Unsupervised Whisker Tracking in Unrestrained Behaving Animals. <i>Journal of Neurophysiology</i> , 2008, 100, 504-515.	1.8	93
36	Sensory integration across space and in time for decision making in the somatosensory system of rodents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1395-1400.	7.1	83

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37	Select overexpression of homer1a in dorsal hippocampus impairs spatial working memory. <i>Frontiers in Neuroscience</i> , 2007, 1, 97-110.	2.8	65
38	Forebrain-Specific Glutamate Receptor B Deletion Impairs Spatial Memory But Not Hippocampal Field Long-Term Potentiation. <i>Journal of Neuroscience</i> , 2006, 26, 8428-8440.	3.6	69
39	Inhibitory Sharpening of Receptive Fields Contributes to Whisker Map Plasticity in Rat Somatosensory Cortex. <i>Journal of Neurophysiology</i> , 2005, 94, 4387-4400.	1.8	81
40	Modulation of spike timing by sensory deprivation during induction of cortical map plasticity. <i>Nature Neuroscience</i> , 2004, 7, 534-541.	14.8	169
41	Long-term depression induced by sensory deprivation during cortical map plasticity in vivo. <i>Nature Neuroscience</i> , 2003, 6, 291-299.	14.8	227