

Roman Shusterman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2912814/publications.pdf>

Version: 2024-02-01

16
papers

1,311
citations

840585

11
h-index

887953

17
g-index

20
all docs

20
docs citations

20
times ranked

1422
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise olfactory responses tile the sniff cycle. <i>Nature Neuroscience</i> , 2011, 14, 1039-1044.	7.1	352
2	Oxytocin Enhances Social Recognition by Modulating Cortical Control of Early Olfactory Processing. <i>Neuron</i> , 2016, 90, 609-621.	3.8	272
3	Perception of sniff phase in mouse olfaction. <i>Nature</i> , 2011, 479, 397-400.	13.7	212
4	Monomer Dynamics in Double- and Single-Stranded DNA Polymers. <i>Physical Review Letters</i> , 2004, 92, 048303.	2.9	130
5	Neural Coding of Perceived Odor Intensity. <i>ENeuro</i> , 2015, 2, ENEURO.0083-15.2015.	0.9	79
6	Discovering Precise Temporal Patterns in Large-Scale Neural Recordings through Robust and Interpretable Time Warping. <i>Neuron</i> , 2020, 105, 246-259.e8.	3.8	63
7	Odor Concentration Change Coding in the Olfactory Bulb. <i>ENeuro</i> , 2019, 6, ENEURO.0396-18.2019.	0.9	46
8	Sniff Invariant Odor Coding. <i>ENeuro</i> , 2018, 5, ENEURO.0149-18.2018.	0.9	41
9	Internal Dynamics of Superhelical DNA. <i>Physical Review Letters</i> , 2008, 100, 098102.	2.9	27
10	Phasic dopamine reinforces distinct striatal stimulus encoding in the olfactory tubercle driving dopaminergic reward prediction. <i>Nature Communications</i> , 2020, 11, 3460.	5.8	23
11	Fluorescence correlation spectroscopy analysis of segmental dynamics in actin filaments. <i>Journal of Chemical Physics</i> , 2006, 125, 084903.	1.2	19
12	A network that performs brute-force conversion of a temporal sequence to a spatial pattern: relevance to odor recognition. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 108.	1.2	13
13	Transcranial Electrical Stimulation targeting limbic cortex increases the duration of human deep sleep. <i>Sleep Medicine</i> , 2021, 81, 350-357.	0.8	9
14	Focal limbic sources create the large slow oscillations of the EEG in human deep sleep. <i>Sleep Medicine</i> , 2021, 85, 291-302.	0.8	6
15	Solution of the Boussinesq equation using evolutionary vessels. <i>Quantum Studies: Mathematics and Foundations</i> , 2019, 6, 335-351.	0.4	1
16	Evolution of Nodes and their Application to Completely Integrable PDEs. <i>Operator Theory: Advances and Applications</i> , 2019, , 239-250.	0.2	1