

Selen Atasoy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6326120/publications.pdf>

Version: 2024-02-01

14
papers

851
citations

840776

11
h-index

1058476

14
g-index

22
all docs

22
docs citations

22
times ranked

753
citing authors

#	ARTICLE	IF	CITATIONS
1	Human brain networks function in connectome-specific harmonic waves. Nature Communications, 2016, 7, 10340.	12.8	270
2	Dynamical exploration of the repertoire of brain networks at rest is modulated by psilocybin. NeuroImage, 2019, 199, 127-142.	4.2	152
3	Connectome-harmonic decomposition of human brain activity reveals dynamical repertoire re-organization under LSD. Scientific Reports, 2017, 7, 17661.	3.3	150
4	Harmonic Brain Modes: A Unifying Framework for Linking Space and Time in Brain Dynamics. Neuroscientist, 2018, 24, 277-293.	3.5	74
5	Common neural signatures of psychedelics: Frequency-specific energy changes and repertoire expansion revealed using connectome-harmonic decomposition. Progress in Brain Research, 2018, 242, 97-120.	1.4	41
6	Characterizing the Dynamical Complexity Underlying Meditation. Frontiers in Systems Neuroscience, 2019, 13, 27.	2.5	31
7	Functional harmonics reveal multi-dimensional basis functions underlying cortical organization. Cell Reports, 2021, 36, 109554.	6.4	24
8	Decoding brain states on the intrinsic manifold of human brain dynamics across wakefulness and sleep. Communications Biology, 2021, 4, 854.	4.4	23
9	Increased sensitivity to strong perturbations in a whole-brain model of LSD. NeuroImage, 2021, 230, 117809.	4.2	20
10	Robustness of connectome harmonics to local gray matter and long-range white matter connectivity changes. NeuroImage, 2021, 224, 117364.	4.2	19
11	Graph neural fields: A framework for spatiotemporal dynamical models on the human connectome. PLoS Computational Biology, 2021, 17, e1008310.	3.2	14
12	Playing at the Edge of Criticality: Expanded Whole-Brain Repertoire of Connectome-Harmonics. Springer Series on Bio- and Neurosystems, 2019, , 27-45.	0.2	7
13	Uncovering the spatiotemporal scales of common neuro-mental constructs. Physics of Life Reviews, 2020, 33, 64-66.	2.8	4
14	Harmonic waves as the fundamental principle underlying temporo-spatial dynamics of brain and mind. Physics of Life Reviews, 2020, 33, 67-69.	2.8	1