

Selen Atasoy

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

851
citations

840776

11
h-index

1058476

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22
all docs

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docs citations

22
times ranked

753
citing authors

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