

# Mehran Ahmadlou

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

3,016  
citations

304602

22  
h-index

454834

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced probabilistic neural network with local decision circles: A robust classifier. Integrated Computer-Aided Engineering, 2010, 17, 197-210.	2.5	320
2	New diagnostic EEG markers of the Alzheimer's disease using visibility graph. Journal of Neural Transmission, 2010, 117, 1099-1109.	1.4	272
3	Fractality and a Wavelet-Chaos-Neural Network Methodology for EEG-Based Diagnosis of Autistic Spectrum Disorder. Journal of Clinical Neurophysiology, 2010, 27, 328-333.	0.9	240
4	Fractality analysis of frontal brain in major depressive disorder. International Journal of Psychophysiology, 2012, 85, 206-211.	0.5	228
5	Wavelet-Synchronization Methodology: A New Approach for EEG-Based Diagnosis of ADHD. Clinical EEG and Neuroscience, 2010, 41, 1-10.	0.9	197
6	Improved visibility graph fractality with application for the diagnosis of Autism Spectrum Disorder. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4720-4726.	1.2	160
7	Fractality and a Wavelet-chaos-Methodology for EEG-based Diagnosis of Alzheimer Disease. Alzheimer Disease and Associated Disorders, 2011, 25, 85-92.	0.6	158
8	Functional community analysis of brain: A new approach for EEG-based investigation of the brain pathology. NeuroImage, 2011, 58, 401-408.	2.1	154
9	Graph Theoretical Analysis of Organization of Functional Brain Networks in ADHD. Clinical EEG and Neuroscience, 2012, 43, 5-13.	0.9	148
10	Visibility graph similarity: A new measure of generalized synchronization in coupled dynamic systems. Physica D: Nonlinear Phenomena, 2012, 241, 326-332.	1.3	146
11	Fuzzy Synchronization Likelihood-wavelet methodology for diagnosis of autism spectrum disorder. Journal of Neuroscience Methods, 2012, 211, 203-209.	1.3	140
12	Spatiotemporal Analysis of Relative Convergence of EEGs Reveals Differences Between Brain Dynamics of Depressive Women and Men. Clinical EEG and Neuroscience, 2013, 44, 175-181.	0.9	127
13	Fuzzy Synchronization Likelihood with Application to Attention-Deficit/Hyperactivity Disorder. Clinical EEG and Neuroscience, 2011, 42, 6-13.	0.9	125
14	Complexity of functional connectivity networks in mild cognitive impairment subjects during a working memory task. Clinical Neurophysiology, 2014, 125, 694-702.	0.7	121
15	Preference for concentric orientations in the mouse superior colliculus. Nature Communications, 2015, 6, 6773.	5.8	74
16	Complexity of weighted graph: A new technique to investigate structural complexity of brain activities with applications to aging and autism. Neuroscience Letters, 2017, 650, 103-108.	1.0	66
17	Thalamic inhibition regulates critical-period plasticity in visual cortex and thalamus. Nature Neuroscience, 2017, 20, 1715-1721.	7.1	60
18	Global organization of functional brain connectivity in methamphetamine abusers. Clinical Neurophysiology, 2013, 124, 1122-1131.	0.7	53

#	ARTICLE	IF	CITATIONS
19	A cell type-specific cortico-subcortical brain circuit for investigatory and novelty-seeking behavior. <i>Science</i> , 2021, 372, .	6.0	53
20	Functional modulation of primary visual cortex by the superior colliculus in the mouse. <i>Nature Communications</i> , 2018, 9, 3895.	5.8	51
21	Visual Cortex Limits Pop-Out in the Superior Colliculus of Awake Mice. <i>Cerebral Cortex</i> , 2017, 27, 5772-5783.	1.6	32
22	Brain activity of women is more fractal than men. <i>Neuroscience Letters</i> , 2013, 535, 7-11.	1.0	24
23	Which attention-deficit/hyperactivity disorder children will be improved through neurofeedback therapy? A graph theoretical approach to neocortex neuronal network of ADHD. <i>Neuroscience Letters</i> , 2012, 516, 156-160.	1.0	22
24	Linear and nonlinear analysis of brain dynamics in children with cerebral palsy. <i>Research in Developmental Disabilities</i> , 2013, 34, 1388-1396.	1.2	14
25	Disrupted small-world brain network in children with Down Syndrome. <i>Clinical Neurophysiology</i> , 2013, 124, 1755-1764.	0.7	9
26	Down syndrome's brain dynamics: analysis of fractality in resting state. <i>Cognitive Neurodynamics</i> , 2013, 7, 333-340.	2.3	8
27	Contrast-Dependence of Temporal Frequency Tuning in Mouse V1. <i>Frontiers in Neuroscience</i> , 2020, 14, 868.	1.4	5
28	Detection of Attention Using Chaotic Global Features. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2010, 22, 247.e20-247.e20.	0.9	4
29	Electroencephalograms in Diagnosis of Autism. , 2014, , 327-343.		2
30	Long-term enhancement of visual responses by repeated transcranial electrical stimulation of the mouse visual cortex. <i>Brain Stimulation</i> , 2019, 12, 1421-1428.	0.7	2
31	Neuroimaging Findings in Methamphetamine Abusers. <i>Journal of Addiction Research &amp; Therapy</i> , 2016, 7, .	0.2	1
32	Effect of cognitive task on delta and beta EEG synchronization. , 2010, , .		0