

# Ali Mazaheri

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

5,651  
citations

186265

28  
h-index

214800

47  
g-index

65  
all docs

65  
docs citations

65  
times ranked

5819  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shaping Functional Architecture by Oscillatory Alpha Activity: Gating by Inhibition. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 186.	2.0	2,317
2	Deep brain stimulation restores frontostriatal network activity in obsessive-compulsive disorder. <i>Nature Neuroscience</i> , 2013, 16, 386-387.	14.8	379
3	Prestimulus alpha and mu activity predicts failure to inhibit motor responses. <i>Human Brain Mapping</i> , 2009, 30, 1791-1800.	3.6	243
4	Region-specific modulations in oscillatory alpha activity serve to facilitate processing in the visual and auditory modalities. <i>NeuroImage</i> , 2014, 87, 356-362.	4.2	182
5	Asymmetric Amplitude Modulations of Brain Oscillations Generate Slow Evoked Responses. <i>Journal of Neuroscience</i> , 2008, 28, 7781-7787.	3.6	179
6	The functional role of alpha-band activity in attentional processing: the current zeitgeist and future outlook. <i>Current Opinion in Psychology</i> , 2019, 29, 229-238.	4.9	161
7	Rhythmic pulsing: linking ongoing brain activity with evoked responses. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 177.	2.0	149
8	EEG spectral dynamics during discrimination of auditory and visual targets. <i>Cognitive Brain Research</i> , 2005, 24, 81-96.	3.0	143
9	Posterior $\hat{\alpha}$ activity is not phase-reset by visual stimuli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2948-2952.	7.1	143
10	Modulations in oscillatory activity with amplitude asymmetry can produce cognitively relevant event-related responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 900-905.	7.1	142
11	Functional Disconnection of Frontal Cortex and Visual Cortex in Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry</i> , 2010, 67, 617-623.	1.3	135
12	Modulation of Visually Evoked Cortical fMRI Responses by Phase of Ongoing Occipital Alpha Oscillations. <i>Journal of Neuroscience</i> , 2011, 31, 3813-3820.	3.6	126
13	Effective Deep Brain Stimulation in Heroin Addiction: A Case Report with Complementary Intracranial Electroencephalogram. <i>Biological Psychiatry</i> , 2012, 71, e35-e37.	1.3	121
14	Attention and Temporal Expectations Modulate Power, Not Phase, of Ongoing Alpha Oscillations. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1573-1586.	2.3	111
15	Cerebral peak alpha frequency predicts individual differences in pain sensitivity. <i>NeuroImage</i> , 2018, 167, 203-210.	4.2	93
16	The Caveats of observing Inter-Trial Phase-Coherence in Cognitive Neuroscience. <i>Scientific Reports</i> , 2018, 8, 2990.	3.3	86
17	Differential Oscillatory Electroencephalogram Between Attention-Deficit/Hyperactivity Disorder Subtypes and Typically Developing Adolescents. <i>Biological Psychiatry</i> , 2014, 76, 422-429.	1.3	85
18	The Role of Alpha Activity in Spatial and Feature-Based Attention. <i>ENeuro</i> , 2016, 3, ENEURO.0204-16.2016.	1.9	76

#	ARTICLE	IF	CITATIONS
19	Brain oscillations track the formation of episodic memories in the real world. <i>NeuroImage</i> , 2016, 143, 256-266.	4.2	62
20	The neural markers of an imminent failure of response inhibition. <i>NeuroImage</i> , 2012, 59, 1534-1539.	4.2	61
21	EEG oscillations during word processing predict MCI conversion to Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2018, 17, 188-197.	2.7	57
22	Understanding bilingual brain function and structure changes? U bet! A unified bilingual experience trajectory model. <i>Journal of Neurolinguistics</i> , 2020, 56, 100930.	1.1	56
23	Pre-Stimulus Activity Predicts the Winner of Top-Down vs. Bottom-Up Attentional Selection. <i>PLoS ONE</i> , 2011, 6, e16243.	2.5	50
24	Cross-sensory modulation of alpha oscillatory activity: suppression, idling, and default resource allocation. <i>European Journal of Neuroscience</i> , 2017, 45, 1431-1438.	2.6	44
25	Sensorimotor Peak Alpha Frequency Is a Reliable Biomarker of Prolonged Pain Sensitivity. <i>Cerebral Cortex</i> , 2020, 30, 6069-6082.	2.9	41
26	Neurosurgical targets for compulsivity: What can we learn from acquired brain lesions?. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 328-339.	6.1	40
27	Diminished N1 Auditory Evoked Potentials to Oddball Stimuli in Misophonia Patients. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 123.	2.0	38
28	Deep Brain Stimulation Diminishes Cross-Frequency Coupling in Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2016, 80, e57-e58.	1.3	37
29	Deep Brain Stimulation Targeted at the Nucleus Accumbens Decreases the Potential for Pathologic Network Communication. <i>Biological Psychiatry</i> , 2013, 74, e27-e28.	1.3	36
30	Binding language: structuring sentences through precisely timed oscillatory mechanisms. <i>European Journal of Neuroscience</i> , 2018, 48, 2651-2662.	2.6	34
31	Aberrant Modulation of Brain Oscillatory Activity and Attentional Impairment in Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 19-29.	1.5	34
32	Contributions of the Ventral Striatum to Conscious Perception: An Intracranial EEG Study of the Attentional Blink. <i>Journal of Neuroscience</i> , 2017, 37, 1081-1089.	3.6	23
33	Orchestration of brain oscillations: principles and functions. <i>European Journal of Neuroscience</i> , 2018, 48, 2385-2388.	2.6	18
34	Differences in early and late pattern-onset visual-evoked potentials between self-reported migraineurs and controls. <i>NeuroImage: Clinical</i> , 2020, 25, 102122.	2.7	16
35	No Impact of Deep Brain Stimulation on Fear-Potentiated Startle in Obsessive-Compulsive Disorder. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 305.	2.0	14
36	Aberrant brain response after auditory deviance in PTSD compared to trauma controls: An EEG study. <i>Scientific Reports</i> , 2017, 7, 16596.	3.3	13

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37	The oscillatory mechanisms associated with syntactic binding in healthy ageing. <i>Neuropsychologia</i> , 2020, 146, 107523.	1.6	13
38	Beyond ERPs: , 2011, , .		12
39	Selective effects of acute low-grade inflammation on human visual attention. <i>NeuroImage</i> , 2019, 202, 116098.	4.2	11
40	Changes in alpha activity reveal that social opinion modulates attention allocation during face processing. <i>NeuroImage</i> , 2018, 174, 432-440.	4.2	10
41	Event-related potential and EEG oscillatory predictors of verbal memory in mild cognitive impairment. <i>Brain Communications</i> , 2020, 2, fcaa213.	3.3	9
42	Predicting postoperative pain in lung cancer patients using preoperative peak alpha frequency. <i>British Journal of Anaesthesia</i> , 2022, 128, e346-e348.	3.4	9
43	Amplitude asymmetry as a mechanism for the generation of slow evoked responses. <i>Clinical Neurophysiology</i> , 2010, 121, 1148-1149.	1.5	7
44	Modulation in alpha band activity reflects syntax composition: an MEG study of minimal syntactic binding. <i>Cerebral Cortex</i> , 2023, 33, 497-511.	2.9	6
45	How the healthy ageing brain supports semantic binding during language comprehension. <i>European Journal of Neuroscience</i> , 2021, 54, 7899-7917.	2.6	4
46	Attenuated alpha oscillation and hyperresponsiveness reveals impaired perceptual learning in migraineurs. <i>Journal of Headache and Pain</i> , 2022, 23, 44.	6.0	2
47	Gamma Oscillations in a Bind?. <i>Cerebral Cortex</i> , 2015, 25, 4651-4652.	2.9	1
48	Trial-by-Trial Dynamics: A Window in Time. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 199.	2.0	0
49	Reply to: Ventral Capsule/Ventral Striatum Deep Brain Stimulation Does Not Consistently Diminish Occipital Cross-Frequency Coupling. <i>Biological Psychiatry</i> , 2016, 80, e61-e62.	1.3	0