

Faranak Farzan

List of Publications by Year in descending order

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95
papers

5,987
citations

81434

41
h-index

93651

72
g-index

97
all docs

97
docs citations

97
times ranked

6216
citing authors

#	ARTICLE	IF	CITATIONS
1	Response Inhibition and Predicting Response to Pharmacological and Cognitive Behavioral Therapy Treatments for Major Depressive Disorder: A Canadian Biomarker Integration Network for Depression Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2023, 8, 162-170.	1.1	0
2	Investigating the Effects of Auditory and Vibrotactile Rhythmic Sensory Stimulation on Depression: An EEG Pilot Study. <i>Cureus</i> , 2022, 14, e22557.	0.2	3
3	Identification and verification of a 'true' TMS evoked potential in TMS-EEG. <i>Journal of Neuroscience Methods</i> , 2022, 378, 109651.	1.3	11
4	Neurophysiological markers of response to theta burst stimulation in youth depression. <i>Depression and Anxiety</i> , 2021, 38, 172-184.	2.0	16
5	Resting-state electroencephalographic functional network alterations in major depressive disorder following magnetic seizure therapy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 108, 110082.	2.5	9
6	Training in the practice of noninvasive brain stimulation: Recommendations from an IFCN committee. <i>Clinical Neurophysiology</i> , 2021, 132, 819-837.	0.7	38
7	A Systematic Review of Long-Interval Intracortical Inhibition as a Biomarker in Neuropsychiatric Disorders. <i>Frontiers in Psychiatry</i> , 2021, 12, 678088.	1.3	8
8	Neurophysiological effects of repetitive transcranial magnetic stimulation (rTMS) in treatment resistant depression. <i>Clinical Neurophysiology</i> , 2021, 132, 2306-2316.	0.7	32
9	Metabolic variables associated with response to cognitive behavioural therapy for depression in females: A Canadian biomarker integration network for depression (CAN-BIND) study. <i>Journal of Psychiatric Research</i> , 2021, 142, 321-327.	1.5	1
10	Hypothalamus volume and DNA methylation of stress axis genes in major depressive disorder: A CAN-BIND study report. <i>Psychoneuroendocrinology</i> , 2021, 132, 105348.	1.3	8
11	Machine learning in the prediction of depression treatment outcomes: a systematic review and meta-analysis. <i>Psychological Medicine</i> , 2021, 51, 2742-2751.	2.7	38
12	Confirmatory Efficacy and Safety Trial of Magnetic Seizure Therapy for Depression (CREST-MST): study protocol for a randomized non-inferiority trial of magnetic seizure therapy versus electroconvulsive therapy. <i>Trials</i> , 2021, 22, 786.	0.7	8
13	Confirmatory Efficacy and Safety Trial of Magnetic Seizure Therapy for Depression (CREST-MST): protocol for identification of novel biomarkers via neurophysiology. <i>Trials</i> , 2021, 22, 906.	0.7	3
14	Use of Machine Learning for Predicting Escitalopram Treatment Outcome From Electroencephalography Recordings in Adult Patients With Depression. <i>JAMA Network Open</i> , 2020, 3, e1918377.	2.8	49
15	Reverse translation of major depressive disorder symptoms: A framework for the behavioural phenotyping of putative biomarkers. <i>Journal of Affective Disorders</i> , 2020, 263, 353-366.	2.0	4
16	Modulation of functional network properties in major depressive disorder following electroconvulsive therapy (ECT): a resting-state EEG analysis. <i>Scientific Reports</i> , 2020, 10, 17057.	1.6	16
17	Prefrontal Cortical Reactivity and Connectivity Markers Distinguish Youth Depression from Healthy Youth. <i>Cerebral Cortex</i> , 2020, 30, 3884-3894.	1.6	24
18	Noninvasive Brain Stimulation to Reduce Falls in Older Adults. , 2020, , 373-398.		0

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19	Feasibility and clinical effects of theta burst stimulation in youth with major depressive disorders: An open-label trial. <i>Journal of Affective Disorders</i> , 2019, 258, 66-73.	2.0	34
20	Beyond the target area: an integrative view of tDCS-induced motor cortex modulation in patients and athletes. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 141.	2.4	89
21	TMS in Child and Adolescent Major Depression. , 2019, , 147-188.		1
22	Clinical utility and prospective of TMSâ€“EEG. <i>Clinical Neurophysiology</i> , 2019, 130, 802-844.	0.7	276
23	T135. Combination Theta-Burst Stimulation and Cognitive Training for Youth Depression. <i>Biological Psychiatry</i> , 2019, 85, S181.	0.7	3
24	Altered Transcranial Magnetic Stimulationâ€“Electroencephalographic Markers of Inhibition and Excitation in the Dorsolateral Prefrontal Cortex in Major Depressive Disorder. <i>Biological Psychiatry</i> , 2019, 85, 477-486.	0.7	81
25	Symptomatic and Functional Outcomes and Early Prediction of Response to Escitalopram Monotherapy and Sequential Adjunctive Aripiprazole Therapy in Patients With Major Depressive Disorder. <i>Journal of Clinical Psychiatry</i> , 2019, 80, .	1.1	61
26	Impaired neuroplasticity in the prefrontal cortex in depression indexed through paired associative stimulation. <i>Depression and Anxiety</i> , 2018, 35, 448-456.	2.0	43
27	Reduced Short-Latency Afferent Inhibition in Prefrontal but not Motor Cortex and Its Association With Executive Function in Schizophrenia: A Combined TMS-EEG Study. <i>Schizophrenia Bulletin</i> , 2018, 44, 193-202.	2.3	29
28	The comparative effectiveness of electroencephalographic indices in predicting response to escitalopram therapy in depression: A pilot study. <i>Journal of Affective Disorders</i> , 2018, 227, 542-549.	2.0	59
29	Magnetic seizure therapy reduces suicidal ideation and produces neuroplasticity in treatment-resistant depression. <i>Translational Psychiatry</i> , 2018, 8, 253.	2.4	49
30	Non-linear Entropy Analysis in EEG to Predict Treatment Response to Repetitive Transcranial Magnetic Stimulation in Depression. <i>Frontiers in Pharmacology</i> , 2018, 9, 1188.	1.6	17
31	Selective modulation of brain network dynamics by seizure therapy in treatment-resistant depression. <i>NeuroImage: Clinical</i> , 2018, 20, 1176-1190.	1.4	28
32	Characteristics of ictal EEG in Magnetic Seizure Therapy at various stimulation frequencies. <i>Clinical Neurophysiology</i> , 2018, 129, 1770-1779.	0.7	14
33	EEG Microstate Correlates of Fluid Intelligence and Response to Cognitive Training. <i>Brain Topography</i> , 2017, 30, 502-520.	0.8	58
34	MicroRNAs 146a/b-5 and 425-3p and 24-3p are markers of antidepressant response and regulate MAPK/Wnt-system genes. <i>Nature Communications</i> , 2017, 8, 15497.	5.8	144
35	Brain temporal complexity in explaining the therapeutic and cognitive effects of seizure therapy. <i>Brain</i> , 2017, 140, 1011-1025.	3.7	36
36	Abnormal self-schema in semantic memory in major depressive disorder: Evidence from event-related brain potentials. <i>Biological Psychology</i> , 2017, 126, 41-47.	1.1	26

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37	Standardization of electroencephalography for multi-site, multi-platform and multi-investigator studies: insights from the canadian biomarker integration network in depression. <i>Scientific Reports</i> , 2017, 7, 7473.	1.6	28
38	Analysing concurrent transcranial magnetic stimulation and electroencephalographic data: A review and introduction to the open-source TESA software. <i>NeuroImage</i> , 2017, 147, 934-951.	2.1	250
39	Characterization of Glutamatergic and GABAA-Mediated Neurotransmission in Motor and Dorsolateral Prefrontal Cortex Using Paired-Pulse TMS-EEG. <i>Neuropsychopharmacology</i> , 2017, 42, 502-511.	2.8	124
40	Investigating Cortical Inhibition in First-Degree Relatives and Probands in Schizophrenia. <i>Scientific Reports</i> , 2017, 7, 43629.	1.6	17
41	Do Lifestyle Activities Protect Against Cognitive Decline in Aging? A Review. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 381.	1.7	45
42	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. <i>BMC Neuroscience</i> , 2017, 18, .	0.8	7
43	Evaluation of short interval cortical inhibition and intracortical facilitation from the dorsolateral prefrontal cortex in patients with schizophrenia. <i>Scientific Reports</i> , 2017, 7, 17106.	1.6	27
44	Characterization of the influence of age on GABAA and glutamatergic mediated functions in the dorsolateral prefrontal cortex using paired-pulse TMS-EEG. <i>Aging</i> , 2017, 9, 556-572.	1.4	47
45	Characterizing and Modulating Brain Circuitry through Transcranial Magnetic Stimulation Combined with Electroencephalography. <i>Frontiers in Neural Circuits</i> , 2016, 10, 73.	1.4	113
46	TMSEEG: A MATLAB-Based Graphical User Interface for Processing Electrophysiological Signals during Transcranial Magnetic Stimulation. <i>Frontiers in Neural Circuits</i> , 2016, 10, 78.	1.4	44
47	Enhancing the Temporal Complexity of Distributed Brain Networks with Patterned Cerebellar Stimulation. <i>Scientific Reports</i> , 2016, 6, 23599.	1.6	45
48	The Relationship Between Cortical Inhibition and Electroconvulsive Therapy in the Treatment of Major Depressive Disorder. <i>Scientific Reports</i> , 2016, 6, 37461.	1.6	14
49	A combined TMS-EEG study of short-latency afferent inhibition in the motor and dorsolateral prefrontal cortex. <i>Journal of Neurophysiology</i> , 2016, 116, 938-948.	0.9	31
50	A meta-analysis of the effects of aging on motor cortex neurophysiology assessed by transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2016, 127, 2834-2845.	0.7	117
51	Discovering biomarkers for antidepressant response: protocol from the Canadian biomarker integration network in depression (CAN-BIND) and clinical characteristics of the first patient cohort. <i>BMC Psychiatry</i> , 2016, 16, 105.	1.1	114
52	Unbiased cluster estimation of electrophysiological brain response. <i>Journal of Neuroscience Methods</i> , 2016, 271, 43-49.	1.3	5
53	Indicators for Remission of Suicidal Ideation Following Magnetic Seizure Therapy in Patients With Treatment-Resistant Depression. <i>JAMA Psychiatry</i> , 2016, 73, 337.	6.0	102
54	Prefrontal White Matter Structure Mediates the Influence of GAD1 on Working Memory. <i>Neuropsychopharmacology</i> , 2016, 41, 2224-2231.	2.8	23

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55	Short-latency afferent inhibition from the motor and dorsolateral prefrontal cortex in healthy subjects: a combined TMS-EEG study. <i>Brain Stimulation</i> , 2015, 8, 316.	0.7	1
56	Clozapine potentiation of GABA mediated cortical inhibition in treatment resistant schizophrenia. <i>Schizophrenia Research</i> , 2015, 165, 157-162.	1.1	40
57	Music training and inhibitory control: a multidimensional model. <i>Annals of the New York Academy of Sciences</i> , 2015, 1337, 147-152.	1.8	46
58	Microstates in resting-state EEG: Current status and future directions. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 49, 105-113.	2.9	526
59	Evidence for inhibitory deficits in the prefrontal cortex in schizophrenia. <i>Brain</i> , 2015, 138, 483-497.	3.7	63
60	Synchronous and opposite roles of the parietal and prefrontal cortices in bistable perception: A double-coil TMS-EEG study. <i>Cortex</i> , 2015, 64, 78-88.	1.1	25
61	Characterizing Long Interval Cortical Inhibition over the Time-Frequency Domain. <i>PLoS ONE</i> , 2014, 9, e92354.	1.1	17
62	Removing artefacts from TMS-EEG recordings using independent component analysis: Importance for assessing prefrontal and motor cortex network properties. <i>NeuroImage</i> , 2014, 101, 425-439.	2.1	239
63	Intermittent Theta-Burst Stimulation of the Lateral Cerebellum Increases Functional Connectivity of the Default Network. <i>Journal of Neuroscience</i> , 2014, 34, 12049-12056.	1.7	161
64	What Does the Electroencephalogram Tell Us About the Mechanisms of Action of ECT in Major Depressive Disorders?. <i>Journal of ECT</i> , 2014, 30, 98-106.	0.3	41
65	Organization and trade-off of spectro-temporal tuning properties of duration-tuned neurons in the mammalian inferior colliculus. <i>Journal of Neurophysiology</i> , 2014, 111, 2047-2060.	0.9	11
66	Disrupted Cortical Conductivity in Schizophrenia: TMS-EEG Study. <i>Cerebral Cortex</i> , 2014, 24, 211-221.	1.6	64
67	A novel method for removal of deep brain stimulation artifact from electroencephalography. <i>Journal of Neuroscience Methods</i> , 2014, 237, 33-40.	1.3	40
68	Single-Pulse Transcranial Magnetic Stimulation (TMS) Protocols and Outcome Measures. <i>NeuroMethods</i> , 2014, , 69-115.	0.2	14
69	Reliability of Resting-State Microstate Features in Electroencephalography. <i>PLoS ONE</i> , 2014, 9, e114163.	1.1	156
70	Cerebellar TMS in Treatment of a Patient with Cerebellar Ataxia: Evidence from Clinical, Biomechanics and Neurophysiological Assessments. <i>Cerebellum</i> , 2013, 12, 707-712.	1.4	43
71	Measuring GABAergic Inhibitory Activity with TMS-EEG and Its Potential Clinical Application for Chronic Pain. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 535-546.	2.1	43
72	Can Repetitive Magnetic Stimulation Improve Cognition in Schizophrenia? Pilot Data from a Randomized Controlled Trial. <i>Biological Psychiatry</i> , 2013, 73, 510-517.	0.7	116

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73	The EEG correlates of the TMS-induced EMG silent period in humans. <i>NeuroImage</i> , 2013, 83, 120-134.	2.1	111
74	PAS-Induced Potentiation of Cortical-Evoked Activity in the Dorsolateral Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2013, 38, 2545-2552.	2.8	82
75	Assessing brain plasticity across the lifespan with transcranial magnetic stimulation: why, how, and what is the ultimate goal?. <i>Frontiers in Neuroscience</i> , 2013, 7, 42.	1.4	88
76	A randomized controlled trial of sequentially bilateral prefrontal cortex repetitive transcranial magnetic stimulation in the treatment of negative symptoms in schizophrenia. <i>Brain Stimulation</i> , 2012, 5, 337-346.	0.7	60
77	Combination of Transcranial Magnetic Stimulation with Electromyography and Electroencephalography: Application in Diagnosis of Neuropsychiatric Disorders. , 2012, , .		1
78	Combined transcranial magnetic stimulation and electroencephalography: Its past, present and future. <i>Brain Research</i> , 2012, 1463, 93-107.	1.1	54
79	Cognitive behavioral therapy-related increases in cortical inhibition in problematic perfectionists. <i>Brain Stimulation</i> , 2012, 5, 44-54.	0.7	31
80	Transcranial magnetic stimulation on the modulation of gamma oscillations in schizophrenia. <i>Annals of the New York Academy of Sciences</i> , 2012, 1265, 25-35.	1.8	41
81	Repetitive transcranial magnetic stimulation and drug addiction. <i>International Review of Psychiatry</i> , 2011, 23, 454-466.	1.4	64
82	Gamma oscillations in schizophrenia: Mechanisms and clinical significance. <i>Brain Research</i> , 2011, 1413, 98-114.	1.1	98
83	The Effect of Repetitive Transcranial Magnetic Stimulation on Gamma Oscillatory Activity in Schizophrenia. <i>PLoS ONE</i> , 2011, 6, e22627.	1.1	72
84	Optimal transcranial magnetic stimulation coil placement for targeting the dorsolateral prefrontal cortex using novel magnetic resonance image-guided neuronavigation. <i>Human Brain Mapping</i> , 2010, 31, 1643-1652.	1.9	188
85	Personality Goes a Long a Way: An Interhemispheric Connectivity Study. <i>Frontiers in Psychiatry</i> , 2010, 1, 140.	1.3	11
86	Evidence for gamma inhibition deficits in the dorsolateral prefrontal cortex of patients with schizophrenia. <i>Brain</i> , 2010, 133, 1505-1514.	3.7	137
87	Reliability of Long-Interval Cortical Inhibition in Healthy Human Subjects: A TMS-EEG Study. <i>Journal of Neurophysiology</i> , 2010, 104, 1339-1346.	0.9	102
88	The Role of the Corpus Callosum in Transcranial Magnetic Stimulation Induced Interhemispheric Signal Propagation. <i>Biological Psychiatry</i> , 2010, 68, 825-831.	0.7	114
89	Potentiation of Gamma Oscillatory Activity through Repetitive Transcranial Magnetic Stimulation of the Dorsolateral Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2009, 34, 2359-2367.	2.8	98
90	Suppression of γ -Oscillations in the Dorsolateral Prefrontal Cortex following Long Interval Cortical Inhibition: A TMS-EEG Study. <i>Neuropsychopharmacology</i> , 2009, 34, 1543-1551.	2.8	89

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91	GABA and cortical inhibition in motor and non-motor regions using combined TMS-EEG: A time analysis. <i>Clinical Neurophysiology</i> , 2009, 120, 1706-1710.	0.7	75
92	Long-Interval Cortical Inhibition from the Dorsolateral Prefrontal Cortex: a TMS-EEG Study. <i>Neuropsychopharmacology</i> , 2008, 33, 2860-2869.	2.8	211
93	Evaluating the Relationship between Long Interval Cortical Inhibition, Working Memory and Gamma Band Activity in the Dorsolateral Prefrontal Cortex. <i>Clinical EEG and Neuroscience</i> , 2008, 39, 150-155.	0.9	44
94	Cortical Inhibition in Motor and Non-Motor Regions: A Combined TMS-EEG Study. <i>Clinical EEG and Neuroscience</i> , 2008, 39, 112-117.	0.9	57
95	Transcranial Magnetic Stimulation to Understand the Pathophysiology and Treatment of Substance Use Disorders. <i>Current Drug Abuse Reviews</i> , 2008, 1, 328-339.	3.4	44