

Jaeseung Jeong

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

4,637
citations

159585

30
h-index

110387

64
g-index

101
all docs

101
docs citations

101
times ranked

5772
citing authors

#	ARTICLE	IF	CITATIONS
1	EEG dynamics in patients with Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2004, 115, 1490-1505.	1.5	1,102
2	Mutual information analysis of the EEG in patients with Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2001, 112, 827-835.	1.5	342
3	Toward Brain-Actuated Humanoid Robots: Asynchronous Direct Control Using an EEG-Based BCI. <i>IEEE Transactions on Robotics</i> , 2012, 28, 1131-1144.	10.3	213
4	International Federation of Clinical Neurophysiology (IFCN) "EEG research workgroup: Recommendations on frequency and topographic analysis of resting state EEG rhythms. Part 1: Applications in clinical research studies. <i>Clinical Neurophysiology</i> , 2020, 131, 285-307.	1.5	164
5	What electrophysiology tells us about Alzheimer's disease: a window into the synchronization and connectivity of brain neurons. <i>Neurobiology of Aging</i> , 2020, 85, 58-73.	3.1	150
6	GIT1 is associated with ADHD in humans and ADHD-like behaviors in mice. <i>Nature Medicine</i> , 2011, 17, 566-572.	30.7	140
7	Nonlinear Dynamic Analysis of the EEG in Patients with Alzheimer's Disease and Vascular Dementia. <i>Journal of Clinical Neurophysiology</i> , 2001, 18, 58-67.	1.7	128
8	Non-linear dynamical analysis of the EEG in Alzheimer's disease with optimal embedding dimension. <i>Electroencephalography and Clinical Neurophysiology</i> , 1998, 106, 220-228.	0.3	123
9	INCREASED FASTING PLASMA GHRELIN LEVELS DURING ALCOHOL ABSTINENCE. <i>Alcohol and Alcoholism</i> , 2005, 40, 76-79.	1.6	122
10	Neural circuits underlying a psychotherapeutic regimen for fear disorders. <i>Nature</i> , 2019, 566, 339-343.	27.8	91
11	Variability in empathic fear response among 11 inbred strains of mice. <i>Genes, Brain and Behavior</i> , 2016, 15, 231-242.	2.2	85
12	Linear and non-linear EEG analysis of adolescents with attention-deficit/hyperactivity disorder during a cognitive task. <i>Clinical Neurophysiology</i> , 2010, 121, 1863-1870.	1.5	80
13	Alterations in cerebral perfusion in posttraumatic stress disorder patients without re-exposure to accident-related stimuli. <i>Clinical Neurophysiology</i> , 2006, 117, 637-642.	1.5	79
14	Effects of alcohol hangover on cytokine production in healthy subjects. <i>Alcohol</i> , 2003, 31, 167-170.	1.7	78
15	Neural dynamics of two players when using nonverbal cues to gauge intentions to cooperate during the Prisoner's Dilemma Game. <i>NeuroImage</i> , 2017, 157, 263-274.	4.2	77
16	Nonlinear analysis of the EEG of schizophrenics with optimal embedding dimension. <i>Medical Engineering and Physics</i> , 1998, 20, 669-676.	1.7	76
17	An estimation of the first positive Lyapunov exponent of the EEG in patients with schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2000, 98, 177-189.	1.8	68
18	Measures of resting state EEG rhythms for clinical trials in Alzheimer's disease: Recommendations of an expert panel. <i>Alzheimer's and Dementia</i> , 2021, 17, 1528-1553.	0.8	64

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19	Topological Cluster Analysis Reveals the Systemic Organization of the Caenorhabditis elegans Connectome. <i>PLoS Computational Biology</i> , 2011, 7, e1001139.	3.2	61
20	The timing and temporal patterns of eye blinking are dynamically modulated by attention. <i>Human Movement Science</i> , 2012, 31, 1353-1365.	1.4	59
21	Multiway array decomposition analysis of EEGs in Alzheimer's disease. <i>Journal of Neuroscience Methods</i> , 2012, 207, 41-50.	2.5	58
22	Heightened aversion to risk and loss in depressed patients with a suicide attempt history. <i>Scientific Reports</i> , 2017, 7, 11228.	3.3	56
23	A method for determinism in short time series, and its application to stationary EEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 1374-1379.	4.2	54
24	Nonlinear dynamics of EEG in Alzheimer's disease. <i>Drug Development Research</i> , 2002, 56, 57-66.	2.9	53
25	EFFECTS OF NALTREXONE ON THE ETHANOL-INDUCED CHANGES IN THE RAT CENTRAL DOPAMINERGIC SYSTEM. <i>Alcohol and Alcoholism</i> , 2005, 40, 297-301.	1.6	53
26	Wavelet Energy and Wavelet Coherence as EEG Biomarkers for the Diagnosis of Parkinson's Disease-Related Dementia and Alzheimer's Disease. <i>Entropy</i> , 2016, 18, 8.	2.2	47
27	Dimensional complexity of the EEG in patients with posttraumatic stress disorder. <i>Psychiatry Research - Neuroimaging</i> , 2004, 131, 79-89.	1.8	43
28	Spontaneous Eyeblinks Are Correlated with Responses during the Stroop Task. <i>PLoS ONE</i> , 2012, 7, e34871.	2.5	40
29	Quantification of emotion by nonlinear analysis of the chaotic dynamics of electroencephalograms during perception of 1/f music. <i>Biological Cybernetics</i> , 1998, 78, 217-225.	1.3	39
30	Delayed transition from ambiguous to risky decision making in alcohol dependence during Iowa Gambling Task. <i>Psychiatry Research</i> , 2011, 190, 297-303.	3.3	32
31	Test for low-dimensional determinism in electroencephalograms. <i>Physical Review E</i> , 1999, 60, 831-837.	2.1	31
32	Decreased cortical complexity in methamphetamine abusers. <i>Psychiatry Research - Neuroimaging</i> , 2012, 201, 226-232.	1.8	31
33	Glioma grading using apparent diffusion coefficient map: application of histogram analysis based on automatic segmentation. <i>NMR in Biomedicine</i> , 2014, 27, 1046-1052.	2.8	31
34	Auditory Imagery Modulates Frequency-specific Areas in the Human Auditory Cortex. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 175-187.	2.3	26
35	In vivo evidence for long-term CNS toxicity, associated with chronic binge use of methamphetamine. <i>Drug and Alcohol Dependence</i> , 2010, 111, 155-160.	3.2	25
36	Response randomization of one- and two-person Rock-Paper-Scissors games in individuals with schizophrenia. <i>Psychiatry Research</i> , 2013, 207, 158-163.	3.3	24

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37	Non-monotonic reorganization of brain networks with Alzheimer's disease progression. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 111.	3.4	24
38	The effect of repetitive transcranial magnetic stimulation on fear extinction in rats. <i>Neuroscience</i> , 2012, 200, 159-165.	2.3	23
39	Mediating Effect of Internet Addiction on the Association between Resilience and Depression among Korean University Students: A Structural Equation Modeling Approach. <i>Psychiatry Investigation</i> , 2018, 15, 962-969.	1.6	23
40	Detecting determinism in short time series, with an application to the analysis of a stationary EEG recording. <i>Biological Cybernetics</i> , 2002, 86, 335-342.	1.3	22
41	Decoding covert motivations of free riding and cooperation from multi-feature pattern analysis of EEG signals. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1210-1218.	3.0	22
42	The rostroventral part of the thalamic reticular nucleus modulates fear extinction. <i>Nature Communications</i> , 2019, 10, 4637.	12.8	22
43	Temporal Changes in Functional Magnetic Resonance Imaging Activation of Heterosexual Couples for Visual Stimuli of Loved Partners. <i>Psychiatry Investigation</i> , 2009, 6, 19.	1.6	22
44	Modulation of theta phase synchronization in the human electroencephalogram during a recognition memory task. <i>NeuroReport</i> , 2012, 23, 637-641.	1.2	21
45	Layer-specific interhemispheric functional connectivity in the somatosensory cortex of rats: resting state electrophysiology and fMRI studies. <i>Brain Structure and Function</i> , 2016, 221, 2801-2815.	2.3	21
46	In-Ear EEG Based Attention State Classification Using Echo State Network. <i>Brain Sciences</i> , 2020, 10, 321.	2.3	21
47	Nonlinear dynamics of the EEG separated by independent component analysis after sound and light stimulation. <i>Biological Cybernetics</i> , 2002, 86, 395-401.	1.3	20
48	Increased Frontomotor Oscillations During Tic Suppression in Children With Tourette Syndrome. <i>Journal of Child Neurology</i> , 2013, 28, 615-624.	1.4	20
49	The Effect of Bad News and CEO Apology of Corporate on User Responses in Social Media. <i>PLoS ONE</i> , 2015, 10, e0126358.	2.5	19
50	Fractal Stochastic Modeling of Spiking Activity in Suprachiasmatic Nucleus Neurons. <i>Journal of Computational Neuroscience</i> , 2005, 19, 39-51.	1.0	18
51	Brain-actuated humanoid robot navigation control using asynchronous Brain-Computer Interface. , 2011, , .		18
52	Hemispheric asymmetry in non-linear interdependence of EEG in post-traumatic stress disorder. <i>Psychiatry and Clinical Neurosciences</i> , 2012, 66, 87-96.	1.8	18
53	Quantification of Brain Macrostates Using Dynamical Nonstationarity of Physiological Time Series. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1084-1093.	4.2	17
54	Disturbances of motivational balance in chronic schizophrenia during decision-making tasks. <i>Psychiatry and Clinical Neurosciences</i> , 2012, 66, 573-581.	1.8	16

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55	Early Diagnosis of Alzheimer's Disease and Parkinson's Disease Associated with Dementia Using Cerebral Perfusion SPECT. <i>Dementia and Geriatric Cognitive Disorders</i> , 2014, 37, 276-285.	1.5	16
56	Complexity Changes of the EEG Induced by Alcohol Cue Exposure in Alcoholics and Social Drinkers. <i>Alcoholism: Clinical and Experimental Research</i> , 2003, 27, 1955-1961.	2.4	15
57	Vulnerability-Based Critical Neurons, Synapses, and Pathways in the <i>Caenorhabditis elegans</i> Connectome. <i>PLoS Computational Biology</i> , 2016, 12, e1005084.	3.2	15
58	A Tc-99m SPECT study of regional cerebral blood flow in patients with transient global amnesia. <i>NeuroImage</i> , 2009, 47, 50-55.	4.2	14
59	Different Gain/Loss Sensitivity and Social Adaptation Ability in Gifted Adolescents during a Public Goods Game. <i>PLoS ONE</i> , 2011, 6, e17044.	2.5	14
60	Correlation of risk-taking propensity with cross-frequency phase-amplitude coupling in the resting EEG. <i>Clinical Neurophysiology</i> , 2013, 124, 2172-2180.	1.5	13
61	Impact of childhood trauma and cognitive emotion regulation strategies on risk-averse and loss-averse patterns of decision-making in patients with depression. <i>Cognitive Neuropsychiatry</i> , 2016, 21, 447-461.	1.3	13
62	Gender differences revealed in the right posterior temporal areas during Navon letter identification tasks. <i>Brain Imaging and Behavior</i> , 2012, 6, 387-396.	2.1	11
63	Frequency distribution of causal connectivity in rat sensorimotor network: resting-state fMRI analyses. <i>Journal of Neurophysiology</i> , 2013, 109, 238-248.	1.8	11
64	Bursts and Heavy Tails in Temporal and Sequential Dynamics of Foraging Decisions. <i>PLoS Computational Biology</i> , 2014, 10, e1003759.	3.2	11
65	Rats exhibit reference-dependent choice behavior. <i>Behavioural Brain Research</i> , 2014, 267, 26-32.	2.2	11
66	The value of brain perfusion SPECT for differentiation between mildly symptomatic idiopathic Parkinson's disease and the Parkinson variant of multiple system atrophy. <i>Nuclear Medicine Communications</i> , 2015, 36, 1049-1054.	1.1	11
67	Mice in social conflict show rule-observance behavior enhancing long-term benefit. <i>Nature Communications</i> , 2017, 8, 1176.	12.8	11
68	Decoding electroencephalographic signals for direction in brain-computer interface using echo state network and Gaussian readouts. <i>Computers in Biology and Medicine</i> , 2019, 110, 254-264.	7.0	11
69	EEG Classification of Mild and Severe Alzheimer's Disease Using Parallel Factor Analysis Method. <i>Lecture Notes in Electrical Engineering</i> , 2009, , 705-715.	0.4	11
70	Assessment of cerebrovascular reserve before and after STA-MCA bypass surgery by SPECT and SPM analysis. <i>Korean Journal of Radiology</i> , 2007, 8, 458.	3.4	10
71	Mathematically Gifted Adolescents Have Deficiencies in Social Valuation and Mentalization. <i>PLoS ONE</i> , 2011, 6, e18224.	2.5	10
72	Cognitive Motivations of Free Riding and Cooperation and Impaired Strategic Decision Making in Schizophrenia During a Public Goods Game. <i>Schizophrenia Bulletin</i> , 2013, 39, 112-119.	4.3	9

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73	EEG measures for clinical research in major vascular cognitive impairment: recommendations by an expert panel. <i>Neurobiology of Aging</i> , 2021, 103, 78-97.	3.1	9
74	Experience of a hierarchical relationship between a pair of mice specifically influences their affective empathy toward each other. <i>Genes, Brain and Behavior</i> , 2022, 21, e12810.	2.2	8
75	Dynamical Nonstationarity of Resting EEGs in Patients With Attention-Deficit/Hyperactivity Disorder (AD/HD). <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 159-163.	4.2	7
76	Nucleus accumbens shell moderates preference bias during voluntary choice behavior. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1428-1436.	3.0	7
77	Reappraising Abstract Paintings after Exposure to Background Information. <i>PLoS ONE</i> , 2015, 10, e0124159.	2.5	7
78	Bursting as a source of non-linear determinism in the firing patterns of nigral dopamine neurons. <i>European Journal of Neuroscience</i> , 2012, 36, 3214-3223.	2.6	6
79	Arousal Rules: An Empirical Investigation into the Aesthetic Experience of Cross-Modal Perception with Emotional Visual Music. <i>Frontiers in Psychology</i> , 2017, 8, 440.	2.1	6
80	Target-specific rCBF changes induced by 0.3-T static magnetic field exposure on the brain. <i>Brain Research</i> , 2010, 1317, 211-217.	2.2	5
81	TV programs that denounce unfair advantage impact women's sensitivity to defection in the public goods game. <i>Social Neuroscience</i> , 2013, 8, 568-582.	1.3	5
82	Enhanced Thalamic Functional Connectivity with No fMRI Responses to Affected Forelimb Stimulation in Stroke-Recovered Rats. <i>Frontiers in Neural Circuits</i> , 2016, 10, 113.	2.8	5
83	Preference-Based Serial Decision Dynamics: Your First Sushi Reveals Your Eating Order at the Sushi Table. <i>PLoS ONE</i> , 2014, 9, e96653.	2.5	5
84	An electrocorticographic decoder for arm movement for brain-machine interface using an echo state network and Gaussian readout. <i>Applied Soft Computing Journal</i> , 2022, 117, 108393.	7.2	5
85	Dynamical Heterogeneity of Suprachiasmatic Nucleus Neurons Based on Regularity and Determinism. <i>Journal of Computational Neuroscience</i> , 2005, 19, 87-98.	1.0	4
86	A Computational Model of Attention Control in Multi-Attribute, Context-Dependent Decision Making. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 40.	2.1	4
87	Noninvasive Brain-Computer Interface-based control of humanoid navigation. , 2011, , .		3
88	Spatiotemporal dynamics and functional correlates of evoked neural oscillations with different spectral powers in human visual cortex. <i>Clinical Neurophysiology</i> , 2013, 124, 2248-2256.	1.5	3
89	Money for us versus money for them: cross-cultural differences in sensitivity to rewards for ingroup and outgroup. <i>Culture and Brain</i> , 2018, 6, 36-52.	0.5	3
90	A General Architecture for Social Intelligence in the Human Mind & Brain. <i>Procedia Computer Science</i> , 2018, 145, 747-756.	2.0	3

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91	Preference-based serial decisions are counterintuitively influenced by emotion regulation and conscientiousness. PLoS ONE, 2019, 14, e0222797.	2.5	3
92	Nonlinear determinism of spiking activity recorded from rat suprachiasmatic nucleus neurons in vitro. Neurocomputing, 2003, 52-54, 813-818.	5.9	2
93	Neural Correlates of Public Apology Effectiveness. Frontiers in Human Neuroscience, 2019, 13, 229.	2.0	2
94	Retrospective Evaluation of Sequential Events and the Influence of Preference-Dependent Working Memory: A Computational Examination. Frontiers in Computational Neuroscience, 2020, 14, 65.	2.1	2
95	Prefrontal solution to the bias-variance tradeoff during reinforcement learning. Cell Reports, 2021, 37, 110185.	6.4	2
96	Non-drifting limb angle measurement relative to the gravitational vector during dynamic motions using accelerometers and rate gyros. , 2011, , .		1
97	Character drawing style in cartoons on empathy induction: an eye-tracking and EEG study. PeerJ, 2017, 5, e3988.	2.0	1
98	Inferring Behavioral-level Circuits of Caenorhabditis elegans from the Topology of its Wiring Diagram. , 2007, , .		0
99	Computational modeling of the negative priming effect based on inhibition patterns and working memory. Frontiers in Computational Neuroscience, 2013, 7, 166.	2.1	0
100	A vulnerability analysis of critical brain regions and connections in the mouse connectome. , 2017, , .		0