

Josef Parvizi

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

9,584
citations

66234

42
h-index

43802

91
g-index

111
all docs

111
docs citations

111
times ranked

9725
citing authors

#	ARTICLE	IF	CITATIONS
1	Subcortical and cortical brain activity during the feeling of self-generated emotions. <i>Nature Neuroscience</i> , 2000, 3, 1049-1056.	7.1	1,934
2	Promises and limitations of human intracranial electroencephalography. <i>Nature Neuroscience</i> , 2018, 21, 474-483.	7.1	377
3	Consciousness and the brainstem. <i>Cognition</i> , 2001, 79, 135-160.	1.1	366
4	Shifts in gamma phase-amplitude coupling frequency from theta to alpha over posterior cortex during visual tasks. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 191.	1.0	353
5	Neural Mechanisms of Sustained Attention Are Rhythmic. <i>Neuron</i> , 2018, 99, 854-865.e5.	3.8	330
6	Electrical Stimulation of Human Fusiform Face-Selective Regions Distorts Face Perception. <i>Journal of Neuroscience</i> , 2012, 32, 14915-14920.	1.7	327
7	Neuroanatomical correlates of brainstem coma. <i>Brain</i> , 2003, 126, 1524-1536.	3.7	304
8	Neural connections of the posteromedial cortex in the macaque. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1563-1568.	3.3	278
9	Quantifying the local tissue volume and composition in individual brains with magnetic resonance imaging. <i>Nature Medicine</i> , 2013, 19, 1667-1672.	15.2	261
10	Corticocentric myopia: old bias in new cognitive sciences. <i>Trends in Cognitive Sciences</i> , 2009, 13, 354-359.	4.0	214
11	The Will to Persevere Induced by Electrical Stimulation of the Human Cingulate Gyrus. <i>Neuron</i> , 2013, 80, 1359-1367.	3.8	194
12	A Brain Area for Visual Numerals. <i>Journal of Neuroscience</i> , 2013, 33, 6709-6715.	1.7	185
13	Electrical Stimulation of the Left and Right Human Fusiform Gyrus Causes Different Effects in Conscious Face Perception. <i>Journal of Neuroscience</i> , 2014, 34, 12828-12836.	1.7	177
14	Oscillatory dynamics coordinating human frontal networks in support of goal maintenance. <i>Nature Neuroscience</i> , 2015, 18, 1318-1324.	7.1	173
15	Direct brain recordings reveal hippocampal rhythm underpinnings of language processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11366-11371.	3.3	160
16	Dynamic Changes in Phase-Amplitude Coupling Facilitate Spatial Attention Control in Fronto-Parietal Cortex. <i>PLoS Biology</i> , 2014, 12, e1001936.	2.6	149
17	Electrical stimulation of the human brain: perceptual and behavioral phenomena reported in the old and new literature. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 46.	1.0	145
18	Deep posteromedial cortical rhythm in dissociation. <i>Nature</i> , 2020, 586, 87-94.	13.7	145

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19	Asynchronous Broadband Signals Are the Principal Source of the BOLD Response in Human Visual Cortex. <i>Current Biology</i> , 2013, 23, 1145-1153.	1.8	140
20	Intrinsic and Task-Dependent Coupling of Neuronal Population Activity in Human Parietal Cortex. <i>Neuron</i> , 2015, 86, 578-590.	3.8	139
21	Differential electrophysiological response during rest, self-referential, and non-self-referential tasks in human posteromedial cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3023-3028.	3.3	121
22	Neuroanatomy of Pathological Laughing and Crying: A Report of the American Neuropsychiatric Association Committee on Research. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2009, 21, 75-87.	0.9	117
23	Causal mapping of human brain function. <i>Nature Reviews Neuroscience</i> , 2022, 23, 361-375.	4.9	106
24	Corresponding ECoG and fMRI category-selective signals in human ventral temporal cortex. <i>Neuropsychologia</i> , 2016, 83, 14-28.	0.7	105
25	Intracranial Electrophysiology Reveals Reproducible Intrinsic Functional Connectivity within Human Brain Networks. <i>Journal of Neuroscience</i> , 2018, 38, 4230-4242.	1.7	98
26	Human Retrosplenial Cortex Displays Transient Theta Phase Locking with Medial Temporal Cortex Prior to Activation during Autobiographical Memory Retrieval. <i>Journal of Neuroscience</i> , 2013, 33, 10439-10446.	1.7	95
27	Functional MRI of sleep spindles and K-complexes. <i>Clinical Neurophysiology</i> , 2012, 123, 303-309.	0.7	91
28	Gelastic epilepsy and hypothalamic hamartomas: neuroanatomical analysis of brain lesions in 100 patients. <i>Brain</i> , 2011, 134, 2960-2968.	3.7	89
29	Pathological laughter and crying in patients with multiple system atrophy-cerebellar type. <i>Movement Disorders</i> , 2007, 22, 798-803.	2.2	88
30	Neural populations in human posteromedial cortex display opposing responses during memory and numerical processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15514-15519.	3.3	88
31	Resting oscillations and cross-frequency coupling in the human posteromedial cortex. <i>NeuroImage</i> , 2012, 60, 384-391.	2.1	87
32	Linking Electrical Stimulation of Human Primary Visual Cortex, Size of Affected Cortical Area, Neuronal Responses, and Subjective Experience. <i>Neuron</i> , 2016, 92, 1213-1219.	3.8	87
33	Intracranial Electrophysiology of the Human Default Network. <i>Trends in Cognitive Sciences</i> , 2018, 22, 307-324.	4.0	86
34	Diagnosis and Management of Pathological Laughter and Crying. <i>Mayo Clinic Proceedings</i> , 2006, 81, 1482-1486.	1.4	82
35	Electrophysiological dynamics of antagonistic brain networks reflect attentional fluctuations. <i>Nature Communications</i> , 2020, 11, 325.	5.8	74
36	Numerical processing in the human parietal cortex during experimental and natural conditions. <i>Nature Communications</i> , 2013, 4, 2528.	5.8	69

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37	Position sensitivity in the visual word form area. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1568-77.	3.3	68
38	Mapping human temporal and parietal neuronal population activity and functional coupling during mathematical cognition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7277-E7286.	3.3	68
39	Intrinsic network architecture predicts the effects elicited by intracranial electrical stimulation of the human brain. Nature Human Behaviour, 2020, 4, 1039-1052.	6.2	64
40	Theta Oscillations Rapidly Convey Odor-Specific Content in Human Piriform Cortex. Neuron, 2017, 94, 207-219.e4.	3.8	56
41	Spatiotemporal dynamics of word retrieval in speech production revealed by cortical high-frequency band activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4530-E4538.	3.3	53
42	Persistent neuronal activity in human prefrontal cortex links perception and action. Nature Human Behaviour, 2018, 2, 80-91.	6.2	53
43	Electrocorticography reveals the temporal dynamics of posterior parietal cortical activity during recognition memory decisions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11066-11071.	3.3	51
44	Cognitive refractory state caused by spontaneous epileptic high-frequency oscillations in the human brain. Science Translational Medicine, 2019, 11, .	5.8	50
45	Frontal and motor cortex contributions to response inhibition: evidence from electrocorticography. Journal of Neurophysiology, 2016, 115, 2224-2236.	0.9	48
46	Evaluating the Clinical Impact of Rapid Response Electroencephalography: The DECIDE Multicenter Prospective Observational Clinical Study*. Critical Care Medicine, 2020, 48, 1249-1257.	0.4	46
47	Hippocampal ripples and their coordinated dialogue with the default mode network during recent and remote recollection. Neuron, 2021, 109, 2767-2780.e5.	3.8	46
48	Thalamic projections to the posteromedial cortex in the macaque. Journal of Comparative Neurology, 2008, 507, 1709-1733.	0.9	45
49	Direct cortical stimulation of human posteromedial cortex. Neurology, 2017, 88, 685-691.	1.5	43
50	Spatial and temporal heterogeneity of neural responses in human posteromedial cortex. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4785-4790.	3.3	38
51	Direct Cortical Recordings Suggest Temporal Order of Task-Evoked Responses in Human Dorsal Attention and Default Networks. Journal of Neuroscience, 2018, 38, 10305-10313.	1.7	35
52	Brain Mechanisms of Arithmetic: A Crucial Role for Ventral Temporal Cortex. Journal of Cognitive Neuroscience, 2018, 30, 1757-1772.	1.1	34
53	Temporal Dynamics and Response Modulation across the Human Visual System in a Spatial Attention Task: An ECoG Study. Journal of Neuroscience, 2019, 39, 333-352.	1.7	34
54	Severe pathological changes of parabrachial nucleus in Alzheimer's disease. NeuroReport, 1998, 9, 4151-4154.	0.6	33

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55	Human hippocampal increases in low-frequency power during associative prediction violations. <i>Neuropsychologia</i> , 2013, 51, 2344-2351.	0.7	33
56	Decoding intracranial EEG data with multiple kernel learning method. <i>Journal of Neuroscience Methods</i> , 2016, 261, 19-28.	1.3	33
57	Diagnostic utility of eight-channel EEG for detecting generalized or hemispheric seizures and rhythmic periodic patterns. <i>Clinical Neurophysiology Practice</i> , 2018, 3, 65-73.	0.6	33
58	Functional imaging of sleep vertex sharp transients. <i>Clinical Neurophysiology</i> , 2011, 122, 1382-1386.	0.7	32
59	Distinct Patterns of Temporal and Directional Connectivity among Intrinsic Networks in the Human Brain. <i>Journal of Neuroscience</i> , 2017, 37, 9667-9674.	1.7	31
60	Rapid Bedside Evaluation of Seizures in the ICU by Listening to the Sound of Brainwaves: A Prospective Observational Clinical Trial of Ceribell's Brain Stethoscope Function. <i>Neurocritical Care</i> , 2018, 29, 302-312.	1.2	29
61	Altered sense of self during seizures in the posteromedial cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	29
62	Detecting silent seizures by their sound. <i>Epilepsia</i> , 2018, 59, 877-884.	2.6	28
63	Changes in subjective experience elicited by direct stimulation of the human orbitofrontal cortex. <i>Neurology</i> , 2018, 91, e1519-e1527.	1.5	28
64	Fast temporal dynamics and causal relevance of face processing in the human temporal cortex. <i>Nature Communications</i> , 2020, 11, 656.	5.8	28
65	Electrophysiological Responses in the Ventral Temporal Cortex During Reading of Numerals and Calculation. <i>Cerebral Cortex</i> , 2017, 27, bhv250.	1.6	27
66	Utility of electroencephalography: Experience from a U.S. tertiary care medical center. <i>Clinical Neurophysiology</i> , 2016, 127, 3335-3340.	0.7	27
67	Functional asymmetry between the left and right human fusiform gyrus explored through electrical brain stimulation. <i>Neuropsychologia</i> , 2016, 83, 29-36.	0.7	27
68	Pupillary Dynamics Link Spontaneous and Task-Evoked Activations Recorded Directly from Human Insula. <i>Journal of Neuroscience</i> , 2020, 40, 6207-6218.	1.7	27
69	Diagnostic Value of Electroencephalography with Ten Electrodes in Critically Ill Patients. <i>Neurocritical Care</i> , 2020, 33, 479-490.	1.2	27
70	Rapid Response Electroencephalography for Urgent Evaluation of Patients in Community Hospital Intensive Care Practice. <i>Journal of Neuroscience Nursing</i> , 2019, 51, 308-312.	0.7	25
71	Intensity of affective experience is modulated by magnitude of intracranial electrical stimulation in human orbitofrontal, cingulate and insular cortices. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 339-351.	1.5	24
72	Epileptogenic network of focal epilepsies mapped with cortico-cortical evoked potentials. <i>Clinical Neurophysiology</i> , 2020, 131, 2657-2666.	0.7	24

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73	SozRank: A new approach for localizing the epileptic seizure onset zone. PLoS Computational Biology, 2018, 14, e1005953.	1.5	22
74	Electrical stimulation of the human claustrum. Epilepsy and Behavior, 2019, 97, 296-303.	0.9	22
75	Temporal order of signal propagation within and across intrinsic brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
76	Exaggerated Crying and Tremor With a Cerebellar Cyst. Journal of Neuropsychiatry and Clinical Neurosciences, 2007, 19, 187-190.	0.9	21
77	Differential distribution of calbindin D28k and parvalbumin among functionally distinctive sets of structures in the macaque brainstem. Journal of Comparative Neurology, 2003, 462, 153-167.	0.9	18
78	Differential Processing of Consonance and Dissonance within the Human Superior Temporal Gyrus. Frontiers in Human Neuroscience, 2016, 10, 154.	1.0	17
79	Monitoring the Burden of Seizures and Highly Epileptiform Patterns in Critical Care with a Novel Machine Learning Method. Neurocritical Care, 2021, 34, 908-917.	1.2	17
80	Illusions of Visual Motion Elicited by Electrical Stimulation of Human MT Complex. PLoS ONE, 2011, 6, e21798.	1.1	17
81	Electrocorticographic evidence of a common neurocognitive sequence for mentalizing about the self and others. Nature Communications, 2022, 13, 1919.	5.8	17
82	Mirroring in the Human Brain: Deciphering the Spatial-Temporal Patterns of the Human Mirror Neuron System. Cerebral Cortex, 2018, 28, 1039-1048.	1.6	15
83	A systematic study of stereotypy in epileptic seizures versus psychogenic seizure-like events. Epilepsy and Behavior, 2019, 90, 172-177.	0.9	14
84	Neural repetition suppression effects in the human hippocampus. Neurobiology of Learning and Memory, 2020, 173, 107269.	1.0	11
85	Automatisms: Bridging clinical neurology with criminal law. Epilepsy and Behavior, 2011, 20, 423-427.	0.9	10
86	Modeling the economic value of Ceribell Rapid Response EEG in the inpatient hospital setting. Journal of Medical Economics, 2021, 24, 318-327.	1.0	10
87	Memory, Numbers, and Action Decision in Human Posterior Parietal Cortex. Neuron, 2018, 97, 7-10.	3.8	9
88	Neuronal Population Responses in the Human Ventral Temporal and Lateral Parietal Cortex during Arithmetic Processing with Digits and Number Words. Journal of Cognitive Neuroscience, 2018, 30, 1315-1322.	1.1	9
89	Amygdala and orbitofrontal engagement in breach and resolution of expectancy: A case study.. Psychomusicology: Music, Mind and Brain, 2015, 25, 357-365.	1.1	9
90	Anticipation-induced delta phase reset improves human olfactory perception. PLoS Biology, 2020, 18, e3000724.	2.6	8

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91	Intracranial Electroencephalography Reveals Selective Responses to Cognitive Stimuli in the Periventricular Heterotopias. <i>Journal of Neuroscience</i> , 2021, 41, 3870-3878.	1.7	8
92	Midline and Parasagittal Seizures are Rare in Adult Patients. <i>Neurocritical Care</i> , 2020, 32, 193-197.	1.2	7
93	Disinhibition: More than a misnomer. <i>Social Neuroscience</i> , 2012, 7, 311-316.	0.7	6
94	Fidelity of first-person reports following intracranial neuromodulation of the human brain: An empirical assessment of sham stimulation in neurosurgical patients. <i>Brain Stimulation</i> , 2021, 14, 77-79.	0.7	5
95	Complex negative emotions induced by electrical stimulation of the human hypothalamus. <i>Brain Stimulation</i> , 2022, 15, 615-623.	0.7	5
96	Overlapping Neuronal Population Responses in the Human Parietal Cortex during Visuospatial Attention and Arithmetic Processing. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 2548-2558.	1.1	4
97	Comparing Seizures Captured by Rapid Response EEG and Conventional EEG Recordings in a Multicenter Clinical Study. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	4
98	Problem of signal contamination in interhemispheric dual-sided subdural electrodes. <i>Epilepsia</i> , 2011, 52, e176-e180.	2.6	3
99	The brain stethoscope: A device that turns brain activity into sound. <i>Epilepsy and Behavior</i> , 2015, 46, 53-54.	0.9	3
100	High-level visual manifestations of epileptic seizures originating from the medial parietal cortex. <i>Epileptic Disorders</i> , 2018, 20, 200-203.	0.7	2
101	Reappraising faces: effects on accountability appraisals, self-reported valence, and pupil diameter. <i>Cognition and Emotion</i> , 2019, 33, 1041-1050.	1.2	1
102	Modulation of intracranial field potential responses in the human large-scale attention network during a spatial attention task. <i>Journal of Vision</i> , 2015, 15, 1055.	0.1	1
103	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0
104	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0
105	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0
106	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0