Josef Parvizi

List of Publications by Year
in descending order

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	Complex negative emotions induced by electrical stimulation of the human hypothalamus. Brain Stimulation, 2022, 15, 615-623.	0.7	5
2	Electrocorticographic evidence of a common neurocognitive sequence for mentalizing about the self and others. Nature Communications, 2022, 13, 1919.	5.8	17
3	Causal mapping of human brain function. Nature Reviews Neuroscience, 2022, 23, 361-375.	4.9	106
4	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
5	Fidelity of first-person reports following intracranial neuromodulation of the human brain: An empirical assessment of sham stimulation in neurosurgical patients. Brain Stimulation, 2021, 14, 77-79.	0.7	5
6	Intracranial Electroencephalography Reveals Selective Responses to Cognitive Stimuli in the Periventricular Heterotopias. Journal of Neuroscience, 2021, 41, 3870-3878.	1.7	8
7	Altered sense of self during seizures in the posteromedial cortex. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	29
8	Overlapping Neuronal Population Responses in the Human Parietal Cortex during Visuospatial Attention and Arithmetic Processing. Journal of Cognitive Neuroscience, 2021, 33, 2548-2558.	1.1	4
9	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
10	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
11	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
12	Midline and Parasagittal Seizures are Rare in Adult Patients. Neurocritical Care, 2020, 32, 193-197.	1.2	7
13	Pupillary Dynamics Link Spontaneous and Task-Evoked Activations Recorded Directly from Human Insula. Journal of Neuroscience, 2020, 40, 6207-6218.	1.7	27
14	Epileptogenic network of focal epilepsies mapped with cortico-cortical evoked potentials. Clinical Neurophysiology, 2020, 131, 2657-2666.	0.7	24
15	Deep posteromedial cortical rhythm in dissociation. Nature, 2020, 586, 87-94.	13.7	145
16	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
17	Anticipation-induced delta phase reset improves human olfactory perception. PLoS Biology, 2020, 18, e3000724.	2.6	8
18	Neural repetition suppression effects in the human hippocampus. Neurobiology of Learning and Memory, 2020, 173, 107269.	1.0	11

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19	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
20	Diagnostic Value of Electroencephalography with Ten Electrodes in Critically Ill Patients. Neurocritical Care, 2020, 33, 479-490.	1.2	27
21	Fast temporal dynamics and causal relevance of face processing in the human temporal cortex. Nature Communications, 2020, 11, 656.	5.8	28
22	Electrophysiological dynamics of antagonistic brain networks reflect attentional fluctuations. Nature Communications, 2020, 11, 325.	5.8	74
23	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0
24	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0
25	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0
26	Anticipation-induced delta phase reset improves human olfactory perception. , 2020, 18, e3000724.		0
27	Reappraising faces: effects on accountability appraisals, self-reported valence, and pupil diameter. Cognition and Emotion, 2019, 33, 1041-1050.	1.2	1
28	Cognitive refractory state caused by spontaneous epileptic high-frequency oscillations in the human brain. Science Translational Medicine, 2019, 11, .	5.8	50
29	Electrical stimulation of the human claustrum. Epilepsy and Behavior, 2019, 97, 296-303.	0.9	22
30	Intensity of affective experience is modulated by magnitude of intracranial electrical stimulation in human orbitofrontal, cingulate and insular cortices. Social Cognitive and Affective Neuroscience, 2019, 14, 339-351.	1.5	24
31	Rapid Response Electroencephalography for Urgent Evaluation of Patients in Community Hospital Intensive Care Practice. Journal of Neuroscience Nursing, 2019, 51, 308-312.	0.7	25
32	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
33	A systematic study of stereotypy in epileptic seizures versus psychogenic seizure-like events. Epilepsy and Behavior, 2019, 90, 172-177.	0.9	14
34	Intracranial Electrophysiology of the Human Default Network. Trends in Cognitive Sciences, 2018, 22, 307-324.	4.0	86
35	Promises and limitations of human intracranial electroencephalography. Nature Neuroscience, 2018, 21, 474-483.	7.1	377
36	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

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37	Detecting silent seizures by their sound. Epilepsia, 2018, 59, 877-884.	2.6	28
38	Intracranial Electrophysiology Reveals Reproducible Intrinsic Functional Connectivity within Human Brain Networks. Journal of Neuroscience, 2018, 38, 4230-4242.	1.7	98
39	Persistent neuronal activity in human prefrontal cortex links perception and action. Nature Human Behaviour, 2018, 2, 80-91.	6.2	53
40	Memory, Numbers, and Action Decision in Human Posterior Parietal Cortex. Neuron, 2018, 97, 7-10.	3.8	9
41	Diagnostic utility of eight-channel EEG for detecting generalized or hemispheric seizures and rhythmic periodic patterns. Clinical Neurophysiology Practice, 2018, 3, 65-73.	0.6	33
42	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
43	High-level visual manifestations of epileptic seizures originating from the medial parietal cortex. Epileptic Disorders, 2018, 20, 200-203.	0.7	2
44	Changes in subjective experience elicited by direct stimulation of the human orbitofrontal cortex. Neurology, 2018, 91, e1519-e1527.	1.5	28
45	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
46	Brain Mechanisms of Arithmetic: A Crucial Role for Ventral Temporal Cortex. Journal of Cognitive Neuroscience, 2018, 30, 1757-1772.	1.1	34
47	SozRank: A new approach for localizing the epileptic seizure onset zone. PLoS Computational Biology, 2018, 14, e1005953.	1.5	22
48	Neural Mechanisms of Sustained Attention Are Rhythmic. Neuron, 2018, 99, 854-865.e5.	3.8	330
49	Rapid Bedside Evaluation of Seizures in the ICU by Listening to the Sound of Brainwaves: A Prospective Observational Clinical Trial of Ceribellâ€™s Brain Stethoscope Function. Neurocritical Care, 2018, 29, 302-312.	1.2	29
50	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
51	Electrophysiological Responses in the Ventral Temporal Cortex During Reading of Numerals and Calculation. Cerebral Cortex, 2017, 27, bhv250.	1.6	27
52	Direct cortical stimulation of human posteromedial cortex. Neurology, 2017, 88, 685-691.	1.5	43
53	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
54	Theta Oscillations Rapidly Convey Odor-Specific Content in Human Piriform Cortex. Neuron, 2017, 94, 207-219.e4.	3.8	56

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55	Distinct Patterns of Temporal and Directional Connectivity among Intrinsic Networks in the Human Brain. Journal of Neuroscience, 2017, 37, 9667-9674.	1.7	31
56	Differential Processing of Consonance and Dissonance within the Human Superior Temporal Gyrus. Frontiers in Human Neuroscience, 2016, 10, 154.	1.0	17
57	Linking Electrical Stimulation of Human Primary Visual Cortex, Size of Affected Cortical Area, Neuronal Responses, and Subjective Experience. Neuron, 2016, 92, 1213-1219.	3.8	87
58	Frontal and motor cortex contributions to response inhibition: evidence from electrocorticography. Journal of Neurophysiology, 2016, 115, 2224-2236.	0.9	48
59	Direct brain recordings reveal hippocampal rhythm underpinnings of language processing. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11366-11371.	3.3	160
60	Utility of electroencephalography: Experience from a U.S. tertiary care medical center. Clinical Neurophysiology, 2016, 127, 3335-3340.	0.7	27
61	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
62	Decoding intracranial EEG data with multiple kernel learning method. Journal of Neuroscience Methods, 2016, 261, 19-28.	1.3	33
63	Functional asymmetry between the left and right human fusiform gyrus explored through electrical brain stimulation. Neuropsychologia, 2016, 83, 29-36.	0.7	27
64	Corresponding ECoG and fMRI category-selective signals in human ventral temporal cortex. Neuropsychologia, 2016, 83, 14-28.	0.7	105
65	Oscillatory dynamics coordinating human frontal networks in support of goal maintenance. Nature Neuroscience, 2015, 18, 1318-1324.	7.1	173
66	The brain stethoscope: A device that turns brain activity into sound. Epilepsy and Behavior, 2015, 46, 53-54.	0.9	3
67	Intrinsic and Task-Dependent Coupling of Neuronal Population Activity in Human Parietal Cortex. Neuron, 2015, 86, 578-590.	3.8	139
68	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
69	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
70	Modulation of intracranial field potential responses in the human large-scale attention network during a spatial attention task. Journal of Vision, 2015, 15, 1055.	0.1	1
71	Electrical Stimulation of the Left and Right Human Fusiform Gyrus Causes Different Effects in Conscious Face Perception. Journal of Neuroscience, 2014, 34, 12828-12836.	1.7	177
72	Dynamic Changes in Phase-Amplitude Coupling Facilitate Spatial Attention Control in Fronto-Parietal Cortex. PLoS Biology, 2014, 12, e1001936.	2.6	149

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73	Quantifying the local tissue volume and composition in individual brains with magnetic resonance imaging. Nature Medicine, 2013, 19, 1667-1672.	15.2	261
74	The Will to Persevere Induced by Electrical Stimulation of the Human Cingulate Gyrus. Neuron, 2013, 80, 1359-1367.	3.8	194
75	Asynchronous Broadband Signals Are the Principal Source of the BOLD Response in Human Visual Cortex. Current Biology, 2013, 23, 1145-1153.	1.8	140
76	Human hippocampal increases in low-frequency power during associative prediction violations. Neuropsychologia, 2013, 51, 2344-2351.	0.7	33
77	A Brain Area for Visual Numerals. Journal of Neuroscience, 2013, 33, 6709-6715.	1.7	185
78	Numerical processing in the human parietal cortex during experimental and natural conditions. Nature Communications, 2013, 4, 2528.	5.8	69
79	Human Retrosplenial Cortex Displays Transient Theta Phase Locking with Medial Temporal Cortex Prior to Activation during Autobiographical Memory Retrieval. Journal of Neuroscience, 2013, 33, 10439-10446.	1.7	95
80	Electrical Stimulation of Human Fusiform Face-Selective Regions Distorts Face Perception. Journal of Neuroscience, 2012, 32, 14915-14920.	1.7	327
81	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
82	Disinhibition: More than a misnomer. Social Neuroscience, 2012, 7, 311-316.	0.7	6
83	Neural populations in human posteromedial cortex display opposing responses during memory and numerical processing. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15514-15519.	3.3	88
84	Functional MRI of sleep spindles and K-complexes. Clinical Neurophysiology, 2012, 123, 303-309.	0.7	91
85	Resting oscillations and cross-frequency coupling in the human posteromedial cortex. NeuroImage, 2012, 60, 384-391.	2.1	87
86	Functional imaging of sleep vertex sharp transients. Clinical Neurophysiology, 2011, 122, 1382-1386.	0.7	32
87	Automatisms: Bridging clinical neurology with criminal law. Epilepsy and Behavior, 2011, 20, 423-427.	0.9	10
88	Problem of signal contamination in interhemispheric dual-sided subdural electrodes. Epilepsia, 2011, 52, e176-e180.	2.6	3
89	Gelastic epilepsy and hypothalamic hamartomas: neuroanatomical analysis of brain lesions in 100 patients. Brain, 2011, 134, 2960-2968.	3.7	89
90	Differential electrophysiological response during rest, self-referential, and nonâ€“self-referential tasks in human posteromedial cortex. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3023-3028.	3.3	121

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91	Illusions of Visual Motion Elicited by Electrical Stimulation of Human MT Complex. PLoS ONE, 2011, 6, e21798.	1.1	17
92	Electrical stimulation of the human brain: perceptual and behavioral phenomena reported in the old and new literature. Frontiers in Human Neuroscience, 2010, 4, 46.	1.0	145
93	Shifts in gamma phaseâ€“amplitude coupling frequency from theta to alpha over posterior cortex during visual tasks. Frontiers in Human Neuroscience, 2010, 4, 191.	1.0	353
94	Neuroanatomy of Pathological Laughing and Crying: A Report of the American Neuropsychiatric Association Committee on Research. Journal of Neuropsychiatry and Clinical Neurosciences, 2009, 21, 75-87.	0.9	117
95	Corticocentric myopia: old bias in new cognitive sciences. Trends in Cognitive Sciences, 2009, 13, 354-359.	4.0	214
96	Thalamic projections to the posteromedial cortex in the macaque. Journal of Comparative Neurology, 2008, 507, 1709-1733.	0.9	45
97	Exaggerated Crying and Tremor With a Cerebellar Cyst. Journal of Neuropsychiatry and Clinical Neurosciences, 2007, 19, 187-190.	0.9	21
98	Pathological laughter and crying in patients with multiple system atrophy-cerebellar type. Movement Disorders, 2007, 22, 798-803.	2.2	88
99	Diagnosis and Management of Pathological Laughter and Crying. Mayo Clinic Proceedings, 2006, 81, 1482-1486.	1.4	82
100	Neural connections of the posteromedial cortex in the macaque. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1563-1568.	3.3	278
101	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
102	Neuroanatomical correlates of brainstem coma. Brain, 2003, 126, 1524-1536.	3.7	304
103	Consciousness and the brainstem. Cognition, 2001, 79, 135-160.	1.1	366
104	Subcortical and cortical brain activity during the feeling of self-generated emotions. Nature Neuroscience, 2000, 3, 1049-1056.	7.1	1,934
105	Severe pathological changes of parabrachial nucleus in AlzheimerÊ¼s disease. NeuroReport, 1998, 9, 4151-4154.	0.6	33
106	Comparing Seizures Captured by Rapid Response EEG and Conventional EEG Recordings in a Multicenter Clinical Study. Frontiers in Neurology, 0, 13, .	1.1	4