

# James F Cavanagh

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

7,814  
citations

109321

35  
h-index

79698

73  
g-index

88  
all docs

88  
docs citations

88  
times ranked

6437  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frontal theta as a mechanism for cognitive control. Trends in Cognitive Sciences, 2014, 18, 414-421.	7.8	1,661
2	Prelude to and Resolution of an Error: EEG Phase Synchrony Reveals Cognitive Control Dynamics during Action Monitoring. Journal of Neuroscience, 2009, 29, 98-105.	3.6	551
3	Subthalamic nucleus stimulation reverses mediofrontal influence over decision threshold. Nature Neuroscience, 2011, 14, 1462-1467.	14.8	528
4	Theta lingua franca: A common midline frontal substrate for action monitoring processes. Psychophysiology, 2012, 49, 220-238.	2.4	521
5	Frontal midline theta reflects anxiety and cognitive control: Meta-analytic evidence. Journal of Physiology (Paris), 2015, 109, 3-15.	2.1	415
6	Frontal theta links prediction errors to behavioral adaptation in reinforcement learning. NeuroImage, 2010, 49, 3198-3209.	4.2	376
7	Contemplative/emotion training reduces negative emotional behavior and promotes prosocial responses.. Emotion, 2012, 12, 338-350.	1.8	283
8	Common medial frontal mechanisms of adaptive control in humans and rodents. Nature Neuroscience, 2013, 16, 1888-1895.	14.8	260
9	Single-Trial Regression Elucidates the Role of Prefrontal Theta Oscillations in Response Conflict. Frontiers in Psychology, 2011, 2, 30.	2.1	259
10	Eye tracking and pupillometry are indicators of dissociable latent decision processes.. Journal of Experimental Psychology: General, 2014, 143, 1476-1488.	2.1	204
11	fMRI and EEG Predictors of Dynamic Decision Parameters during Human Reinforcement Learning. Journal of Neuroscience, 2015, 35, 485-494.	3.6	200
12	Frontal Theta Reflects Uncertainty and Unexpectedness during Exploration and Exploitation. Cerebral Cortex, 2012, 22, 2575-2586.	2.9	191
13	Frontal Theta Overrides Pavlovian Learning Biases. Journal of Neuroscience, 2013, 33, 8541-8548.	3.6	168
14	D <sub>1</sub> -Dependent 4 Hz Oscillations and Ramping Activity in Rodent Medial Frontal Cortex during Interval Timing. Journal of Neuroscience, 2014, 34, 16774-16783.	3.6	102
15	Frontal theta predicts specific cognitive control-induced behavioural changes beyond general reaction time slowing. NeuroImage, 2019, 189, 130-140.	4.2	101
16	Cortical delta activity reflects reward prediction error and related behavioral adjustments, but at different times. NeuroImage, 2015, 110, 205-216.	4.2	99
17	Mood effects on the ERP processing of emotional intensity in faces: A P3 investigation with depressed students. International Journal of Psychophysiology, 2006, 60, 27-33.	1.0	92
18	Task-related dissociation in ERN amplitude as a function of obsessive-compulsive symptoms. Neuropsychologia, 2009, 47, 1978-1987.	1.6	92

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19	Mid-frontal theta activity is diminished during cognitive control in Parkinson's disease. <i>Neuropsychologia</i> , 2018, 117, 113-122.	1.6	90
20	Medial frontal $\beta$ activity in humans and rodents is attenuated in PD patients and in rodents with cortical dopamine depletion. <i>Journal of Neurophysiology</i> , 2015, 114, 1310-1320.	1.8	83
21	Social stress reactivity alters reward and punishment learning. <i>Social Cognitive and Affective Neuroscience</i> , 2011, 6, 311-320.	3.0	77
22	Human EEG Uncovers Latent Generalizable Rule Structure during Learning. <i>Journal of Neuroscience</i> , 2014, 34, 4677-4685.	3.6	77
23	Diminished EEG habituation to novel events effectively classifies Parkinson's patients. <i>Clinical Neurophysiology</i> , 2018, 129, 409-418.	1.5	73
24	Conflict acts as an implicit cost in reinforcement learning. <i>Nature Communications</i> , 2014, 5, 5394.	12.8	72
25	Frontal theta and beta oscillations during lower-limb movement in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2020, 131, 694-702.	1.5	71
26	Linear predictive coding distinguishes spectral EEG features of Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2020, 79, 79-85.	2.2	65
27	Larger Error Signals in Major Depression are Associated with Better Avoidance Learning. <i>Frontiers in Psychology</i> , 2011, 2, 331.	2.1	63
28	Event-related potential activity in the basal ganglia differentiates rewards from nonrewards: Temporospacial principal components analysis and source localization of the feedback negativity: Commentary. <i>Human Brain Mapping</i> , 2011, 32, 2270-2271.	3.6	62
29	Multiple Dissociations Between Comorbid Depression and Anxiety on Reward and Punishment Processing: Evidence From Computationally Informed EEG. <i>Computational Psychiatry</i> , 2020, 3, 1.	2.0	62
30	Moving Beyond ERP Components: A Selective Review of Approaches to Integrate EEG and Behavior. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 106.	2.0	61
31	Multiple aspects of the stress response under social evaluative threat: An electrophysiological investigation. <i>Psychoneuroendocrinology</i> , 2008, 33, 41-53.	2.7	54
32	The Subthalamic Nucleus Contributes to Post-error Slowing. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2637-2644.	2.3	46
33	Timing variability and midfrontal $\beta$ rhythms correlate with cognition in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2021, 7, 14.	5.3	44
34	Impaired Midline Theta Power and Connectivity During Proactive Cognitive Control in Schizophrenia. <i>Biological Psychiatry</i> , 2018, 84, 675-683.	1.3	43
35	The Patient Repository for EEG Data + Computational Tools (PRED+CT). <i>Frontiers in Neuroinformatics</i> , 2017, 11, 67.	2.5	42
36	Altered cingulate sub-region activation accounts for task-related dissociation in ERN amplitude as a function of obsessive-compulsive symptoms. <i>Neuropsychologia</i> , 2010, 48, 2098-2109.	1.6	41

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37	Startle Habituation and Midfrontal Theta Activity in Parkinson Disease. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1923-1932.	2.3	40
38	Intracranial source activity (eLORETA) related to scalp-level asymmetry scores and depression status. <i>Psychophysiology</i> , 2018, 55, e13019.	2.4	40
39	Error-Specific Cognitive Control Alterations in Generalized Anxiety Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 413-420.	1.5	39
40	Anticipatory sensitization to repeated stressors: The role of initial cortisol reactivity and meditation/emotion skills training. <i>Psychoneuroendocrinology</i> , 2015, 52, 229-238.	2.7	28
41	Alcohol exposure in utero disrupts cortico-striatal coordination required for behavioral flexibility. <i>Neuropharmacology</i> , 2020, 162, 107832.	4.1	27
42	Impaired cognitive flexibility following NMDAR-GluN2B deletion is associated with altered orbitofrontal-striatal function. <i>Neuroscience</i> , 2019, 404, 338-352.	2.3	26
43	Executive function predictors of delayed memory deficits after mild traumatic brain injury. <i>Cortex</i> , 2019, 120, 240-248.	2.4	24
44	Individual Differences in Risky Decision-Making Among Seniors Reflect Increased Reward Sensitivity. <i>Frontiers in Neuroscience</i> , 2012, 6, 111.	2.8	23
45	Frontal theta accounts for individual differences in the cost of conflict on decision making. <i>Brain Research</i> , 2017, 1672, 73-80.	2.2	23
46	Dopamine D2 agonist affects visuospatial working memory distractor interference depending on individual differences in baseline working memory span. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2018, 18, 509-520.	2.0	23
47	Electrophysiological biomarkers of behavioral dimensions from cross-species paradigms. <i>Translational Psychiatry</i> , 2021, 11, 482.	4.8	20
48	An EEG marker of reward processing is diminished in Parkinson's disease. <i>Brain Research</i> , 2020, 1727, 146541.	2.2	19
49	Reduction of Pavlovian Bias in Schizophrenia: Enhanced Effects in Clozapine-Administered Patients. <i>PLoS ONE</i> , 2016, 11, e0152781.	2.5	19
50	Electrophysiology as a theoretical and methodological hub for the neural sciences. <i>Psychophysiology</i> , 2019, 56, e13314.	2.4	18
51	Cognitive states influence dopamine-driven aberrant learning in Parkinson's disease. <i>Cortex</i> , 2017, 90, 115-124.	2.4	17
52	Identification of canonical neural events during continuous gameplay of an 8-bit style video game. <i>NeuroImage</i> , 2016, 133, 1-13.	4.2	16
53	The sound and the fury: Late positive potential is sensitive to sound affect. <i>Psychophysiology</i> , 2017, 54, 1812-1825.	2.4	15
54	Rewarding images do not invoke the reward positivity: They inflate it. <i>International Journal of Psychophysiology</i> , 2018, 132, 226-235.	1.0	14

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55	Stop! Stay tuned for more information. <i>Experimental Neurology</i> , 2013, 247, 289-291.	4.1	13
56	Delay knowledge and trial set count modulate use of proactive versus reactive control: A meta-analytic review. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 1249-1268.	2.8	13
57	Neural signatures of arbitration between Pavlovian and instrumental action selection. <i>PLoS Computational Biology</i> , 2021, 17, e1008553.	3.2	13
58	Amphetamine alters an EEG marker of reward processing in humans and mice. <i>Psychopharmacology</i> , 2022, 239, 923-933.	3.1	13
59	Joint analysis of frontal theta synchrony and white matter following mild traumatic brain injury. <i>Brain Imaging and Behavior</i> , 2020, 14, 2210-2223.	2.1	12
60	Novel rewards occlude the reward positivity, and what to do about it. <i>Biological Psychology</i> , 2020, 151, 107841.	2.2	9
61	Frontostriatal anatomical connections predict age- and difficulty-related differences in reinforcement learning. <i>Neurobiology of Aging</i> , 2016, 46, 1-12.	3.1	8
62	Increased conflict-induced slowing, but no differences in conflict-induced positive or negative prediction error learning in patients with schizophrenia. <i>Neuropsychologia</i> , 2019, 123, 131-140.	1.6	7
63	ERPs predict symptomatic distress and recovery in sub-acute mild traumatic brain injury. <i>Neuropsychologia</i> , 2019, 132, 107125.	1.6	7
64	The reward positivity is sensitive to affective liking. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2022, 22, 258-267.	2.0	7
65	EEG reveals that dextroamphetamine improves cognitive control through multiple processes in healthy participants. <i>Neuropsychopharmacology</i> , 2022, 47, 1029-1036.	5.4	6
66	Spectral Resting-State EEG (rsEEG) in Chronic Aphasia Is Reliable, Sensitive, and Correlates With Functional Behavior. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 624660.	2.0	5
67	Ventromedial Prefrontal-Anterior Cingulate Hyperconnectivity and Resilience to Apathy in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 2264-2274.	3.4	5
68	Reduced Theta Power During Memory Retrieval in Depressed Adults. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 636-643.	1.5	4
69	Layers of latent effects in cognitive control: An EEG investigation. <i>Acta Psychologica</i> , 2019, 195, 1-11.	1.5	4
70	Frontal alpha asymmetry in alcohol-related intimate partner violence. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 1209-1217.	3.0	4
71	Cognitive control in Parkinson's disease. <i>Progress in Brain Research</i> , 2022, 269, 137-152.	1.4	3
72	OUP accepted manuscript. <i>Cerebral Cortex</i> , 2022, , .	2.9	3

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73	Immediate versus delayed control demands elicit distinct mechanisms for instantiating proactive control. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 910-926.	2.0	2
74	Respiratory Sinus Arrhythmia Correlates With Depressive Symptoms Following Mild Traumatic Brain Injury. <i>Journal of Psychophysiology</i> , 0, , 1-13.	0.7	2
75	The Where and When of "What If": <i>Neuron</i> , 2013, 79, 1040-1041.	8.1	0
76	Portable Acquisition of Auditory ERPs: A Pilot Study of Premature Infants. <i>Pediatric Neurology</i> , 2021, 122, 84-88.	2.1	0