Carsten N Boehler

List of Publications by Year
in descending order

83 papers	4,323 citations	126708 33 h-index	123241 61 g-index
85 all docs	85 docs citations	85 times ranked	4645 citing authors

#	Article	IF	Citations
1	An EEG study of the combined effects of topâ€down and bottomâ€up attentional selection under varying task difficulty. Psychophysiology, 2022, 59, e14002.	1.2	8
2	Dynamic causal interactions between occipital and parietal cortex explain how endogenous spatial attention and stimulus-driven salience jointly shape the distribution of processing priorities in 2D visual space. NeuroImage, 2022, 255, 119206.	2.1	9
3	Reward does not modulate corticospinal excitability in anticipation of a Stroop trial. European Journal of Neuroscience, 2021, 53, 1019-1028.	1.2	4
4	Comparing the motivational value of rewards and losses in an EEGâ€pupillometry study. European Journal of Neuroscience, 2021, 53, 1822-1838.	1.2	12
5	Theta and alpha power across fast and slow timescales in cognitive control. European Journal of Neuroscience, 2021, 54, 4581-4594.	1.2	6
6	State regulation in adults scoring high versus low on ADHD symptomatology: A pupillometry study.. Neuropsychology, 2021, 35, 486-497.	1.0	2
7	Neural underpinnings of valence-action interactions triggered by cues and targets in a rewarded approach/avoidance task. Cortex, 2021, 141, 240-261.	1.1	3
8	Signed Reward Prediction Errors in the Ventral Striatum Drive Episodic Memory. Journal of Neuroscience, 2021, 41, 1716-1726.	1.7	20
9	Guiding spatial attention by multimodal reward cues. Attention, Perception, and Psychophysics, 2021, 84, 655.	0.7	3
10	Are all behavioral reward benefits created equally? An EEG-fMRI study. NeuroImage, 2020, 215, 116829.	2.1	9
11	Reward anticipation changes corticospinal excitability during task preparation depending on response requirements and time pressure. Cortex, 2019, 120, 159-168.	1.1	9
12	Neural correlates of reward-related response tendencies in an equiprobable Go/NoGo task. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 555-567.	1.0	15
13	Dissociating Reward- and Attention-driven Biasing of Global Feature-based Selection in Human Visual Cortex. Journal of Cognitive Neuroscience, 2019, 31, 469-481.	1.1	5
14	Winning smiles: Signalling reward by overlapping and non-overlapping emotional valence differentially affects performance and neural activity. Neuropsychologia, 2019, 122, 28-37.	0.7	11
15	Neural Dynamics of Reward-Induced Response Activation and Inhibition. Cerebral Cortex, 2019, 29, 3961-3976.	1.6	14
16	Interactions between incentive valence and action information in a cued approachâ€"avoidance task. Psychological Research, 2019, 83, 13-25.	1.0	19
17	Differential effects of sustained and transient effort triggered by reward â€" A combined EEG and pupillometry study. Neuropsychologia, 2019, 123, 116-130.	0.7	23
18	Are losses more effective than rewards in improving performance in a cognitive task?. Motivation Science, 2019, 5, 257-268.	1.2	14

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19	Biasing Actions by Incentive Valence in an Approach/Avoidance Task. Collabra: Psychology, 2019, 5, .	0.9	5
20	A consensus guide to capturing the ability to inhibit actions and impulsive behaviors in the stop-signal task. ELife, 2019, 8, .	2.8	479
21	Smiling faces and cash bonuses: Exploring common affective coding across positive and negative emotional and motivational stimuli using fMRI. Cognitive, Affective and Behavioral Neuroscience, 2018, 18, 550-563.	1.0	19
22	Modulation of locus coeruleus activity by novel oddball stimuli. Brain Imaging and Behavior, 2018, 12, 577-584.	1.1	41
23	Occipital alpha power reveals fast attentional inhibition of incongruent distractors. Psychophysiology, 2018, 55, e13011.	1.2	44
24	Cortical and Subcortical Coordination of Visual Spatial Attention Revealed by Simultaneous EEGâ€"fMRI Recording. Journal of Neuroscience, 2017, 37, 7803-7810.	1.7	39
25	The role of temporal predictability for early attentional adjustments after conflict. PLoS ONE, 2017, 12, e0175694.	1.1	6
26	Strategic downâ€regulation of attentional resources as a mechanism of proactive response inhibition. European Journal of Neuroscience, 2016, 44, 2095-2103.	1.2	23
27	Preparing for (valenced) action: The role of differential effort in the orthogonalized go/noâ€go task. Psychophysiology, 2016, 53, 186-197.	1.2	12
28	The effect of vagus nerve stimulation on response inhibition. Epilepsy and Behavior, 2016, 64, 171-179.	0.9	32
29	Motivational context for response inhibition influences proactive involvement of attention. Scientific Reports, 2016, 6, 35122.	1.6	15
30	Pupil size directly modulates the feedforward response in human primary visual cortex independently of attention. NeuroImage, 2016, 127, 67-73.	2.1	35
31	Determinants of Global Color-Based Selection in Human Visual Cortex. Cerebral Cortex, 2015, 25, 2828-2841.	1.6	19
32	Neural Conflict-Control Mechanisms Improve Memory for Target Stimuli. Cerebral Cortex, 2015, 25, 833-843.	1.6	69
33	Electrophysiological evidence for the involvement of proactive and reactive control in a rewarded stop-signal task. NeuroImage, 2015, 121, 115-125.	2.1	46
34	The modulatory impact of reward and attention on global feature selection in human visual cortex. Visual Cognition, 2015, 23, 229-248.	0.9	23
35	The Congruency Sequence Effect 3.0: A Critical Test of Conflict Adaptation. PLoS ONE, 2014, 9, e110462.	1.1	76
36	The heterogeneous world of congruency sequence effects: an update. Frontiers in Psychology, 2014, 5, 1001.	1.1	122

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37	The Role of the Striatum in Effort-Based Decision-Making in the Absence of Reward. Journal of Neuroscience, 2014, 34, 2148-2154.	1.7	80
38	Overlapping Neural Systems Represent Cognitive Effort and Reward Anticipation. PLoS ONE, 2014, 9, e91008.	1.1	145
39	The Dynamics of Proactive and Reactive Cognitive Control Processes in the Human Brain. Journal of Cognitive Neuroscience, 2014, 26, 1021-1038.	1.1	33
40	Task preparation processes related to reward prediction precede those related to task-difficulty expectation. NeuroImage, 2014, 84, 639-647.	2.1	95
41	Reward prospect rapidly speeds up response inhibition via reactive control. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 593-609.	1.0	86
42	Reward- and Attention-related Biasing of Sensory Selection in Visual Cortex. Journal of Cognitive Neuroscience, 2014, 26, 1049-1065.	1.1	25
43	Response inhibition and its relation to multidimensional impulsivity. NeuroImage, 2014, 103, 241-248.	2.1	103
44	Profiling the Spatial Focus of Visual Attention. , 2014, , 3-15.		0
45	The role of the pulvinar in distractor processing and visual search. Human Brain Mapping, 2013, 34, 1115-1132.	1.9	41
46	Picture novelty attenuates semantic interference and modulates concomitant neural activity in the anterior cingulate cortex and the locus coeruleus. NeuroImage, 2013, 74, 179-187.	2.1	39
47	Distinct Representations of Attentional Control During Voluntary and Stimulus-Driven Shifts Across Objects and Locations. Cerebral Cortex, 2013, 23, 1351-1361.	1.6	16
48	Reward Associations Reduce Behavioral Interference by Changing the Temporal Dynamics of Conflict Processing. PLoS ONE, 2013, 8, e53894.	1.1	65
49	Electrophysiological recordings in humans reveal reduced location-specific attentional-shift activity prior to recentering saccades. Journal of Neurophysiology, 2012, 107, 1393-1402.	0.9	15
50	The Involvement of the Dopaminergic Midbrain and Cortico-Striatal-Thalamic Circuits in the Integration of Reward Prospect and Attentional Task Demands. Cerebral Cortex, 2012, 22, 607-615.	1.6	172
51	Spatiotemporal Dynamics of Feature-Based Attention Spread: Evidence from Combined Electroencephalographic and Magnetoencephalographic Recordings. Journal of Neuroscience, 2012, 32, 9671-9676.	1.7	10
52	Strategic Allocation of Attention Reduces Temporally Predictable Stimulus Conflict. Journal of Cognitive Neuroscience, 2012, 24, 1834-1848.	1.1	26
53	The influence of different Stop-signal response time estimation procedures on behaviorâ€"behavior and brainâ€"behavior correlations. Behavioural Brain Research, 2012, 229, 123-130.	1.2	36
54	Separable Mechanisms Underlying Global Feature-Based Attention. Journal of Neuroscience, 2012, 32, 15284-15295.	1.7	20

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55	Motivating inhibition â€“ reward prospect speeds up response cancellation. Cognition, 2012, 125, 498-503.	1.1	56
56	Attentional Selection for Locations, Features, and Objects in Vision. , 2012, , 2-29.		1
57	Object-based Selection of Irrelevant Features Is Not Confined to the Attended Object. Journal of Cognitive Neuroscience, 2011, 23, 2231-2239.	1.1	24
58	Neural processing of reward magnitude under varying attentional demands. Brain Research, 2011, 1383, 218-229.	1.1	33
59	Featureâ€based attention modulates directionâ€selective hemodynamic activity within human MT. Human Brain Mapping, 2011, 32, 2183-2192.	1.9	18
60	Substantia Nigra Activity Level Predicts Trial-to-Trial Adjustments in Cognitive Control. Journal of Cognitive Neuroscience, 2011, 23, 362-373.	1.1	31
61	Rapid Modulation of Sensory Processing Induced by Stimulus Conflict. Journal of Cognitive Neuroscience, 2011, 23, 2620-2628.	1.1	34
62	Differential Functional Roles of Slow-Wave and Oscillatory-Alpha Activity in Visual Sensory Cortex during Anticipatory Visualâ€“Spatial Attention. Cerebral Cortex, 2011, 21, 2204-2216.	1.6	38
63	Neural Mechanisms of Surround Attenuation and Distractor Competition in Visual Search. Journal of Neuroscience, 2011, 31, 5213-5224.	1.7	45
64	The Neural Underpinnings of How Reward Associations Can Both Guide and Misguide Attention. Journal of Neuroscience, 2011, 31, 9752-9759.	1.7	124
65	Task-Load-Dependent Activation of Dopaminergic Midbrain Areas in the Absence of Reward. Journal of Neuroscience, 2011, 31, 4955-4961.	1.7	75
66	The Role of Stimulus Salience and Attentional Capture Across the Neural Hierarchy in a Stop-Signal Task. PLoS ONE, 2011, 6, e26386.	1.1	37
67	The influence of reward associations on conflict processing in the Stroop task. Cognition, 2010, 117, 341-347.	1.1	241
68	The spatial profile of the focus of attention in visual search: Insights from MEG recordings. Vision Research, 2010, 50, 1312-1320.	0.7	32
69	The Saccadic Re-Centering Bias is Associated with Activity Changes in the Human Superior Colliculus. Frontiers in Human Neuroscience, 2010, 4, 193.	1.0	17
70	High-Field fMRI Reveals Brain Activation Patterns Underlying Saccade Execution in the Human Superior Colliculus. PLoS ONE, 2010, 5, e8691.	1.1	41
71	Mandatory Processing of Irrelevant Fearful Face Features in Visual Search. Journal of Cognitive Neuroscience, 2010, 22, 2926-2938.	1.1	38
72	Pinning down response inhibition in the brain â€” Conjunction analyses of the Stop-signal task. NeuroImage, 2010, 52, 1621-1632.	2.1	189

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73	Sound-Induced Enhancement of Low-Intensity Vision: Multisensory Influences on Human Sensory-Specific Cortices and Thalamic Bodies Relate to Perceptual Enhancement of Visual Detection Sensitivity. Journal of Neuroscience, 2010, 30, 13609-13623.	1.7	136
74	Sensory MEG Responses Predict Successful and Failed Inhibition in a Stop-Signal Task. Cerebral Cortex, 2009, 19, 134-145.	1.6	73
75	The Center-Surround Profile of the Focus of Attention Arises from Recurrent Processing in Visual Cortex. Cerebral Cortex, 2009, 19, 982-991.	1.6	66
76	Neural correlates of exemplar novelty processing under different spatial attention conditions. Human Brain Mapping, 2009, 30, 3759-3771.	1.9	33
77	On perceived synchronyâ€"neural dynamics of audiovisual illusions and suppressions. Brain Research, 2008, 1220, 132-141.	1.1	10
78	Mesolimbic interaction of emotional valence and reward improves memory formation. Neuropsychologia, 2008, 46, 1000-1008.	0.7	113
79	Rapid recurrent processing gates awareness in primary visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8742-8747.	3.3	133
80	Binding 3-D Object Perception in the Human Visual Cortex. Journal of Cognitive Neuroscience, 2008, 20, 553-562.	1.1	23
81	Neural mechanisms of spatial- and feature-based attention: A quantitative analysis. Brain Research, 2007, 1181, 51-60.	1.1	21
82	Direct neurophysiological evidence for spatial suppression surrounding the focus of attention in vision. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1053-1058.	3.3	210
83	The Neural Site of Attention Matches the Spatial Scale of Perception. Journal of Neuroscience, 2006, 26, 3532-3540.	1.7	116