

# Christian Beste

## List of Publications by Year in descending order

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Version: 2024-02-01

338  
papers

9,255  
citations

41258

49  
h-index

95083

68  
g-index

351  
all docs

351  
docs citations

351  
times ranked

6650  
citing authors

#	ARTICLE	IF	CITATIONS
1	A causal role of the right inferior frontal cortex in implementing strategies for multi-component behaviour. <i>Nature Communications</i> , 2015, 6, 6587.	5.8	174
2	Response inhibition subprocesses and dopaminergic pathways: Basal ganglia disease effects. <i>Neuropsychologia</i> , 2010, 48, 366-373.	0.7	170
3	International Consensus Based Review and Recommendations for Minimum Reporting Standards in Research on Transcutaneous Vagus Nerve Stimulation (Version 2020). <i>Frontiers in Human Neuroscience</i> , 2020, 14, 568051.	1.0	143
4	Psychophysiological Mechanisms of Interindividual Differences in Goal Activation Modes During Action Cascading. <i>Cerebral Cortex</i> , 2014, 24, 2120-2129.	1.6	135
5	Addiction Research Consortium: Losing and regaining control over drug intake (ReCoDe)â€”From trajectories to mechanisms and interventions. <i>Addiction Biology</i> , 2020, 25, e12866.	1.4	135
6	The ontogenesis of language lateralization and its relation to handedness. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 43, 191-198.	2.9	130
7	The norepinephrine system shows information-content specific properties during cognitive control â€” Evidence from EEG and pupillary responses. <i>NeuroImage</i> , 2017, 149, 44-52.	2.1	104
8	The Effects of Time on Task in Response Selection - An ERP Study of Mental Fatigue. <i>Scientific Reports</i> , 2015, 5, 10113.	1.6	101
9	Temporal relationship between premonitory urges and tics in Gilles de la Tourette syndrome. <i>Cortex</i> , 2016, 77, 24-37.	1.1	101
10	Improvement and Impairment of Visually Guided Behavior through LTP- and LTD-like Exposure-Based Visual Learning. <i>Current Biology</i> , 2011, 21, 876-882.	1.8	97
11	Effects of Concomitant Stimulation of the GABAergic and Norepinephrine System on Inhibitory Control â€” A Study Using Transcutaneous Vagus Nerve Stimulation. <i>Brain Stimulation</i> , 2016, 9, 811-818.	0.7	92
12	Lateralized neural mechanisms underlying the modulation of response inhibition processes. <i>NeuroImage</i> , 2011, 55, 1771-1778.	2.1	89
13	The Met-allele of the BDNF Val66Met polymorphism enhances task switching in elderly. <i>Neurobiology of Aging</i> , 2011, 32, 2327.e7-2327.e19.	1.5	87
14	Mechanisms mediating parallel action monitoring in fronto-striatal circuits. <i>NeuroImage</i> , 2012, 62, 137-146.	2.1	86
15	Demands on response inhibition processes determine modulations of theta band activity in superior frontal areas and correlations with pupillometry â€” Implications for the norepinephrine system during inhibitory control. <i>NeuroImage</i> , 2017, 157, 575-585.	2.1	85
16	Response inhibition in Huntington's diseaseâ€”A study using ERPs and sLORETA. <i>Neuropsychologia</i> , 2008, 46, 1290-1297.	0.7	84
17	Translating neurobehavioural endpoints of developmental neurotoxicity tests into in vitro assays and readouts. <i>NeuroToxicology</i> , 2012, 33, 911-924.	1.4	84
18	Distinguishing stimulus and response codes in theta oscillations in prefrontal areas during inhibitory control of automated responses. <i>Human Brain Mapping</i> , 2017, 38, 5681-5690.	1.9	82

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19	Striatal GABA-MRS predicts response inhibition performance and its cortical electrophysiological correlates. <i>Brain Structure and Function</i> , 2015, 220, 3555-3564.	1.2	78
20	Learning without Training. <i>Current Biology</i> , 2013, 23, R489-R499.	1.8	76
21	Effects of stimulus-response compatibility on inhibitory processes in Parkinson's disease. <i>European Journal of Neuroscience</i> , 2009, 29, 855-860.	1.2	74
22	Response mode-dependent differences in neurofunctional networks during response inhibition: an EEG-beamforming study. <i>Brain Structure and Function</i> , 2016, 221, 4091-4101.	1.2	74
23	Mental rotation in female fraternal twins: Evidence for intra-uterine hormone transfer?. <i>Biological Psychology</i> , 2011, 86, 90-93.	1.1	73
24	Deep Learning Based on Event-Related EEG Differentiates Children with ADHD from Healthy Controls. <i>Journal of Clinical Medicine</i> , 2019, 8, 1055.	1.0	70
25	Connecting EEG signal decomposition and response selection processes using the theory of event coding framework. <i>Human Brain Mapping</i> , 2020, 41, 2862-2877.	1.9	70
26	Stimulus-Response Compatibility in Huntington's Disease: A Cognitive-Neurophysiological Analysis. <i>Journal of Neurophysiology</i> , 2008, 99, 1213-1223.	0.9	68
27	On the role of fronto-striatal neural synchronization processes for response inhibition—Evidence from ERP phase-synchronization analyses in pre-manifest Huntington's disease gene mutation carriers. <i>Neuropsychologia</i> , 2011, 49, 3484-3493.	0.7	66
28	Time Processing in Huntington's Disease: A Group-Control Study. <i>PLoS ONE</i> , 2007, 2, e1263.	1.1	65
29	Increased perception-action binding in Tourette syndrome. <i>Brain</i> , 2020, 143, 1934-1945.	3.7	65
30	fMRI reveals altered auditory processing in manifest and premanifest Huntington's disease. <i>Neuropsychologia</i> , 2008, 46, 1279-1289.	0.7	64
31	Tuning Perceptual Competition. <i>Journal of Neurophysiology</i> , 2010, 103, 1057-1065.	0.9	64
32	A systems neurophysiology approach to voluntary event coding. <i>NeuroImage</i> , 2016, 135, 324-332.	2.1	64
33	The Role of the BDNF Val66Met Polymorphism for the Synchronization of Error-Specific Neural Networks. <i>Journal of Neuroscience</i> , 2010, 30, 10727-10733.	1.7	62
34	Neural mechanisms and functional neuroanatomical networks during memory and cue-based task switching as revealed by residue iteration decomposition (RIDE) based source localization. <i>Brain Structure and Function</i> , 2017, 222, 3819-3831.	1.2	62
35	Effects of aging, Parkinson's disease, and dopaminergic medication on response selection and control. <i>Neurobiology of Aging</i> , 2011, 32, 327-335.	1.5	61
36	<i>DRD1</i> and <i>DRD2</i> Genotypes Modulate Processing Modes of Goal Activation Processes during Action Cascading. <i>Journal of Neuroscience</i> , 2014, 34, 5335-5341.	1.7	61

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37	Concurrent information affects response inhibition processes via the modulation of theta oscillations in cognitive control networks. <i>Brain Structure and Function</i> , 2016, 221, 3949-3961.	1.2	61
38	Interacting sources of interference during sensorimotor integration processes. <i>NeuroImage</i> , 2016, 125, 342-349.	2.1	61
39	The norepinephrine system affects specific neurophysiological subprocesses in the modulation of inhibitory control by working memory demands. <i>Human Brain Mapping</i> , 2017, 38, 68-81.	1.9	61
40	Error Processing in Huntington's Disease. <i>PLoS ONE</i> , 2006, 1, e86.	1.1	59
41	Variations in the <i>TNF-<math>\alpha</math></i> Gene (TNF- $\alpha$ -308G>'A) Affect Attention and Action Selection Mechanisms in a Dissociated Fashion. <i>Journal of Neurophysiology</i> , 2010, 104, 2523-2531.	0.9	59
42	Neural correlates of altered sensorimotor gating in boys with Tourette Syndrome: A combined EMG/fMRI study. <i>World Journal of Biological Psychiatry</i> , 2016, 17, 187-197.	1.3	59
43	Applying deep learning to single-trial EEG data provides evidence for complementary theories on action control. <i>Communications Biology</i> , 2020, 3, 112.	2.0	58
44	Neurite architecture of the planum temporale predicts neurophysiological processing of auditory speech. <i>Science Advances</i> , 2018, 4, eaar6830.	4.7	56
45	Response selection codes in neurophysiological data predict conjoint effects of controlled and automatic processes during response inhibition. <i>Human Brain Mapping</i> , 2018, 39, 1839-1849.	1.9	55
46	Variation in the NMDA receptor 2B subunit gene GRIN2B is associated with differential language lateralization. <i>Behavioural Brain Research</i> , 2011, 225, 284-289.	1.2	54
47	Darwin revisited: The vagus nerve is a causal element in controlling recognition of other's emotions. <i>Cortex</i> , 2017, 92, 95-102.	1.1	54
48	Feeling safe in the plane: Neural mechanisms underlying superior action control in airplane pilot traineesâ€”A combined EEG/MRS study. <i>Human Brain Mapping</i> , 2014, 35, 5040-5051.	1.9	52
49	Tics and Tourette syndrome â€” surplus of actions rather than disorder?. <i>Movement Disorders</i> , 2018, 33, 238-242.	2.2	52
50	A literature review on the neurophysiological underpinnings and cognitive effects of transcutaneous vagus nerve stimulation: challenges and future directions. <i>Journal of Neurophysiology</i> , 2020, 123, 1739-1755.	0.9	52
51	#EEGManyLabs: Investigating the replicability of influential EEG experiments. <i>Cortex</i> , 2021, 144, 213-229.	1.1	52
52	Functional compensation or pathology in cortico-subcortical interactions in preclinical Huntington's disease?. <i>Neuropsychologia</i> , 2007, 45, 2922-2930.	0.7	51
53	Time estimation in healthy ageing and neurodegenerative basal ganglia disorders. <i>Neuroscience Letters</i> , 2008, 442, 34-38.	1.0	51
54	Pandemic Ticâ€”like Behaviors Following Social Media Consumption. <i>Movement Disorders</i> , 2021, 36, 2932-2935.	2.2	51

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55	Levels of error processing in Huntington's disease: A combined study using event-related potentials and voxel-based morphometry. <i>Human Brain Mapping</i> , 2008, 29, 121-130.	1.9	50
56	The neuronal mechanisms underlying improvement of impulsivity in ADHD by theta/beta neurofeedback. <i>Scientific Reports</i> , 2016, 6, 31178.	1.6	50
57	Latent <i>Toxoplasma gondii</i> infection leads to improved action control. <i>Brain, Behavior, and Immunity</i> , 2014, 37, 103-108.	2.0	49
58	Using temporal EEG signal decomposition to identify specific neurophysiological correlates of distractor-response bindings proposed by the theory of event coding. <i>NeuroImage</i> , 2020, 209, 116524.	2.1	49
59	Increased Cognitive Functioning in Symptomatic Huntington's Disease As Revealed by Behavioral and Event-Related Potential Indices of Auditory Sensory Memory and Attention. <i>Journal of Neuroscience</i> , 2008, 28, 11695-11702.	1.7	48
60	Decoding Stimulus-Response Representations and Their Stability Using EEG-Based Multivariate Pattern Analysis. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa016.	0.7	48
61	Response Monitoring in De Novo Patients with Parkinson's Disease. <i>PLoS ONE</i> , 2009, 4, e4898.	1.1	47
62	Testing interactive effects of automatic and conflict control processes during response inhibition – A system neurophysiological study. <i>NeuroImage</i> , 2017, 146, 1149-1156.	2.1	47
63	On the time course of bottom-up and top-down processes in selective visual attention: An EEG study. <i>Psychophysiology</i> , 2012, 49, 1660-1671.	1.2	46
64	BDNF Val66Met polymorphism and goal-directed behavior in healthy elderly – evidence from auditory distraction. <i>NeuroImage</i> , 2013, 64, 290-298.	2.1	46
65	Action Video Gaming and Cognitive Control: Playing First Person Shooter Games Is Associated with Improved Action Cascading but Not Inhibition. <i>PLoS ONE</i> , 2015, 10, e0144364.	1.1	46
66	On the effects of multimodal information integration in multitasking. <i>Scientific Reports</i> , 2017, 7, 4927.	1.6	46
67	Altered perception-action binding modulates inhibitory control in Gilles de la Tourette syndrome. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2019, 60, 953-962.	3.1	46
68	The impact of mental workload on inhibitory control subprocesses. <i>NeuroImage</i> , 2015, 112, 96-104.	2.1	45
69	When compensation fails: Attentional deficits in healthy ageing caused by visual distraction. <i>Neuropsychologia</i> , 2012, 50, 3185-3192.	0.7	44
70	Striatal and thalamic GABA level concentrations play differential roles for the modulation of response selection processes by proprioceptive information. <i>NeuroImage</i> , 2015, 120, 36-42.	2.1	44
71	Handedness genetics: considering the phenotype. <i>Frontiers in Psychology</i> , 2014, 5, 1300.	1.1	43
72	Single-subject prediction of response inhibition behavior by event-related potentials. <i>Journal of Neurophysiology</i> , 2016, 115, 1252-1262.	0.9	43

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73	The norepinephrine system and its relevance for multi-component behavior. <i>NeuroImage</i> , 2017, 146, 1062-1070.	2.1	43
74	Functional 5-HT <sub>1A</sub> receptor polymorphism selectively modulates error-specific subprocesses of performance monitoring. <i>Human Brain Mapping</i> , 2010, 31, 621-630.	1.9	42
75	Differential Effects of Motor Efference Copies and Proprioceptive Information on Response Evaluation Processes. <i>PLoS ONE</i> , 2013, 8, e62335.	1.1	42
76	The system neurophysiological basis of backward inhibition. <i>Brain Structure and Function</i> , 2016, 221, 4575-4587.	1.2	42
77	Cholecystokinin A Receptor (CCKAR) Gene Variation Is Associated with Language Lateralization. <i>PLoS ONE</i> , 2013, 8, e53643.	1.1	42
78	The Met-genotype of the BDNF Val66Met polymorphism is associated with reduced Stroop interference in elderly. <i>Neuropsychologia</i> , 2012, 50, 3554-3563.	0.7	41
79	FOXP2 variation modulates functional hemispheric asymmetries for speech perception. <i>Brain and Language</i> , 2013, 126, 279-284.	0.8	41
80	Crosslinking EEG time-frequency decomposition and fMRI in error monitoring. <i>Brain Structure and Function</i> , 2014, 219, 595-605.	1.2	41
81	On the dependence of response inhibition processes on sensory modality. <i>Human Brain Mapping</i> , 2017, 38, 1941-1951.	1.9	41
82	Stress improves task processing efficiency in dual-tasks. <i>Behavioural Brain Research</i> , 2013, 252, 260-265.	1.2	40
83	Neuronal Intra-Individual Variability Masks Response Selection Differences between ADHD Subtypes: A Need to Change Perspectives. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 329.	1.0	40
84	Dopamine Modulates the Efficiency of Sensory Evidence Accumulation During Perceptual Decision Making. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 649-655.	1.0	39
85	Pre-trial theta band activity in the ventromedial prefrontal cortex correlates with inhibition-related theta band activity in the right inferior frontal cortex. <i>NeuroImage</i> , 2020, 219, 117052.	2.1	39
86	Striosomal dysfunction affects behavioral adaptation but not impulsivity: Evidence from X-linked dystonia-parkinsonism. <i>Movement Disorders</i> , 2017, 32, 576-584.	2.2	37
87	Action control processes in autism spectrum disorder: Insights from a neurobiological and neuroanatomical perspective. <i>Progress in Neurobiology</i> , 2015, 124, 49-83.	2.8	36
88	Dissociable electrophysiological subprocesses during response inhibition are differentially modulated by dopamine D <sub>1</sub> and D <sub>2</sub> receptors. <i>European Neuropsychopharmacology</i> , 2016, 26, 1029-1036.	0.3	36
89	Dissociable influences of NR2B-receptor related neural transmission on functions of distinct associative basal ganglia circuits. <i>NeuroImage</i> , 2010, 52, 309-315.	2.1	35
90	Individual differences in ERPs during mental rotation of characters: Lateralization, and performance level. <i>Brain and Cognition</i> , 2010, 72, 238-243.	0.8	35

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91	Neuropeptide S receptor (NPSR1) gene variation modulates response inhibition and error monitoring. <i>NeuroImage</i> , 2013, 71, 1-9.	2.1	35
92	Transient and steady-state selection in the striatal microcircuit. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 192.	1.2	35
93	Expectancy effects during response selection modulate attentional selection and inhibitory control networks. <i>Behavioural Brain Research</i> , 2014, 274, 53-61.	1.2	35
94	Parallel and serial processing in dual-tasking differentially involves mechanisms in the striatum and the lateral prefrontal cortex. <i>Brain Structure and Function</i> , 2015, 220, 3131-3142.	1.2	35
95	Striatal Microstructure and Its Relevance for Cognitive Control. <i>Trends in Cognitive Sciences</i> , 2018, 22, 747-751.	4.0	35
96	The system's neurophysiological basis for how methylphenidate modulates perceptual-attentional conflicts during auditory processing. <i>Human Brain Mapping</i> , 2018, 39, 5050-5061.	1.9	35
97	Anodal tDCS affects neuromodulatory effects of the norepinephrine system on superior frontal theta activity during response inhibition. <i>Brain Structure and Function</i> , 2019, 224, 1291-1300.	1.2	35
98	On the relevance of EEG resting theta activity for the neurophysiological dynamics underlying motor inhibitory control. <i>Human Brain Mapping</i> , 2019, 40, 4253-4265.	1.9	35
99	High-dose alcohol intoxication differentially modulates cognitive subprocesses involved in response inhibition. <i>Addiction Biology</i> , 2016, 21, 136-145.	1.4	34
100	Faster Perceptual Learning through Excitotoxic Neurodegeneration. <i>Current Biology</i> , 2012, 22, 1914-1917.	1.8	33
101	Effects of binge drinking on action cascading processes: an EEG study. <i>Archives of Toxicology</i> , 2014, 88, 475-488.	1.9	33
102	Behavioral and neurophysiological evidence for the enhancement of cognitive control under dorsal pallidal deep brain stimulation in Huntington's disease. <i>Brain Structure and Function</i> , 2015, 220, 2441-2448.	1.2	33
103	The role of phasic norepinephrine modulations during task switching: evidence for specific effects in parietal areas. <i>Brain Structure and Function</i> , 2018, 223, 925-940.	1.2	33
104	Alterations in voluntary movement execution in Huntington's disease are related to the dominant motor system's Evidence from event-related potentials. <i>Experimental Neurology</i> , 2009, 216, 148-157.	2.0	31
105	Interrelation of resting state functional connectivity, striatal GABA levels, and cognitive control processes. <i>Human Brain Mapping</i> , 2015, 36, 4383-4393.	1.9	31
106	A perspective on neural and cognitive mechanisms of error commission. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 50.	1.0	31
107	Subliminally and consciously induced cognitive conflicts interact at several processing levels. <i>Cortex</i> , 2016, 85, 75-89.	1.1	31
108	Catecholaminergic Modulation of Conflict Control Depends on the Source of Conflicts. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 901-909.	1.0	31

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109	The functional 5-HT1A receptor polymorphism affects response inhibition processes in a context-dependent manner. <i>Neuropsychologia</i> , 2011, 49, 2664-2672.	0.7	30
110	Action selection in a possible model of striatal medium spiny neuron dysfunction: behavioral and EEG data in a patient with benign hereditary chorea. <i>Brain Structure and Function</i> , 2015, 220, 221-228.	1.2	30
111	Humans with latent toxoplasmosis display altered reward modulation of cognitive control. <i>Scientific Reports</i> , 2017, 7, 10170.	1.6	30
112	Effects of high-dose ethanol intoxication and hangover on cognitive flexibility. <i>Addiction Biology</i> , 2018, 23, 503-514.	1.4	30
113	On the interrelation of $f/i$ neural noise and norepinephrine system activity during motor response inhibition. <i>Journal of Neurophysiology</i> , 2019, 121, 1633-1643.	0.9	30
114	The Modulation of Neural Noise Underlies the Effectiveness of Methylphenidate Treatment in Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 743-750.	1.1	30
115	The neurophysiological basis of reward effects on backward inhibition processes. <i>NeuroImage</i> , 2016, 142, 163-171.	2.1	29
116	The Basal Ganglia Striosomes Affect the Modulation of Conflicts by Subliminal Information—Evidence from X-Linked Dystonia Parkinsonism. <i>Cerebral Cortex</i> , 2018, 28, 2243-2252.	1.6	29
117	Stimulus-response recoding during inhibitory control is associated with superior frontal and parahippocampal processes. <i>NeuroImage</i> , 2019, 196, 227-236.	2.1	29
118	The Downsides of Cognitive Enhancement. <i>Neuroscientist</i> , 2021, 27, 107385842094597.	2.6	29
119	The functional BDNF Val66Met polymorphism affects functions of pre-attentive visual sensory memory processes. <i>Neuropharmacology</i> , 2011, 60, 467-471.	2.0	28
120	Comprehensive Behavioral Intervention for Tics reduces perception-action binding during inhibitory control in Gilles de la Tourette syndrome. <i>Scientific Reports</i> , 2020, 10, 1174.	1.6	28
121	The role of the striatum in goal activation of cascaded actions. <i>Neuropsychologia</i> , 2013, 51, 2562-2571.	0.7	27
122	Questioning the role of the frontopolar cortex in multi-component behavior—a TMS/EEG study. <i>Scientific Reports</i> , 2016, 6, 22317.	1.6	27
123	The system neurophysiological basis of non-adaptive cognitive control: Inhibition of implicit learning mediated by right prefrontal regions. <i>Human Brain Mapping</i> , 2016, 37, 4511-4522.	1.9	27
124	Altered perceptual binding in Gilles de la Tourette syndrome. <i>Cortex</i> , 2016, 83, 160-166.	1.1	27
125	Effects of l-Tyrosine on working memory and inhibitory control are determined by DRD2 genotypes: A randomized controlled trial. <i>Cortex</i> , 2016, 82, 217-224.	1.1	27
126	On the relevance of the alpha frequency oscillation's small-world network architecture for cognitive flexibility. <i>Scientific Reports</i> , 2017, 7, 13910.	1.6	27



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127	Machine learning provides novel neurophysiological features that predict performance to inhibit automated responses. <i>Scientific Reports</i> , 2018, 8, 16235.	1.6	27
128	Methamphetamine-associated difficulties in cognitive control allocation may normalize after prolonged abstinence. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 88, 41-52.	2.5	26
129	The importance of sensory integration processes for action cascading. <i>Scientific Reports</i> , 2015, 5, 9485.	1.6	25
130	A comparative study on the neurophysiological mechanisms underlying effects of methylphenidate and neurofeedback on inhibitory control in attention deficit hyperactivity disorder. <i>NeuroImage: Clinical</i> , 2018, 20, 1191-1203.	1.4	25
131	How minimal variations in neuronal cytoskeletal integrity modulate cognitive control. <i>NeuroImage</i> , 2019, 185, 129-139.	2.1	25
132	The Reelin (RELN) gene is associated with executive function in healthy individuals. <i>Neurobiology of Learning and Memory</i> , 2010, 94, 446-451.	1.0	24
133	Opposite effects of binge drinking on consciously vs. subliminally induced cognitive conflicts. <i>NeuroImage</i> , 2017, 162, 117-126.	2.1	24
134	Developmental Changes in Visual Line Bisection in Women Throughout Adulthood. <i>Developmental Neuropsychology</i> , 2006, 30, 753-767.	1.0	23
135	Neurophysiological mechanisms of interval timing dissociate inattentive and combined ADHD subtypes. <i>Scientific Reports</i> , 2018, 8, 2033.	1.6	23
136	Catecholaminergic effects on inhibitory control depend on the interplay of prior task experience and working memory demands. <i>Journal of Psychopharmacology</i> , 2019, 33, 678-687.	2.0	23
137	A large-scale estimate on the relationship between language and motor lateralization. <i>Scientific Reports</i> , 2020, 10, 13027.	1.6	23
138	Behavioral and neurophysiological evidence for increased cognitive flexibility in late childhood. <i>Scientific Reports</i> , 2016, 6, 28954.	1.6	22
139	When repetitive mental sets increase cognitive flexibility in adolescent obsessive-compulsive disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2018, 59, 1024-1032.	3.1	22
140	Neurophysiological mechanisms underlying motor feature binding processes and representations. <i>Human Brain Mapping</i> , 2021, 42, 1313-1327.	1.9	21
141	The relevance of the functional 5-HT1A receptor polymorphism for attention and working memory processes during mental rotation of characters. <i>Neuropsychologia</i> , 2010, 48, 1248-1254.	0.7	20
142	When control fails: Influence of the prefrontal but not striatal dopaminergic system on behavioural flexibility in a change detection task. <i>Neuropharmacology</i> , 2012, 62, 1028-1033.	2.0	20
143	The functional tumor necrosis factor- $\beta$ (308A/G) polymorphism modulates attentional selection in elderly individuals. <i>Neurobiology of Aging</i> , 2013, 34, 2694.e1-2694.e12.	1.5	20
144	Striatal disorders dissociate mechanisms of enhanced and impaired response selection – Evidence from cognitive neurophysiology and computational modelling. <i>NeuroImage: Clinical</i> , 2014, 4, 623-634.	1.4	20

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145	Perceptual conflict during sensorimotor integration processes—a neurophysiological study in response inhibition. <i>Scientific Reports</i> , 2016, 6, 26289.	1.6	20
146	Paradox effects of binge drinking on response inhibition processes depending on mental workload. <i>Archives of Toxicology</i> , 2016, 90, 1429-1436.	1.9	20
147	Neurophysiological mechanisms of circadian cognitive control in RLS patients - an EEG source localization study. <i>NeuroImage: Clinical</i> , 2017, 15, 644-652.	1.4	20
148	Evidence for an altered architecture and a hierarchical modulation of inhibitory control processes in ADHD. <i>Developmental Cognitive Neuroscience</i> , 2019, 36, 100623.	1.9	20
149	Cardiac cycle gated cognitive-emotional control in superior frontal cortices. <i>NeuroImage</i> , 2020, 222, 117275.	2.1	20
150	Gilles de la Tourette Syndrome—A Disorder of Action-Perception Integration. <i>Frontiers in Neurology</i> , 2020, 11, 597898.	1.1	20
151	Neural dynamics of stimulus-response representations during inhibitory control. <i>Journal of Neurophysiology</i> , 2021, 126, 680-692.	0.9	20
152	A novel cognitive-neurophysiological state biomarker in premanifest Huntington's disease validated on longitudinal data. <i>Scientific Reports</i> , 2013, 3, 1797.	1.6	19
153	Effects of binge drinking and hangover on response selection sub-processes—a study using EEG and drift diffusion modeling. <i>Addiction Biology</i> , 2017, 22, 1355-1365.	1.4	19
154	Callosal microstructure affects the timing of electrophysiological left-right differences. <i>NeuroImage</i> , 2017, 163, 310-318.	2.1	19
155	Evidence for enhanced multi-component behaviour in Tourette syndrome — an EEG study. <i>Scientific Reports</i> , 2017, 7, 7722.	1.6	19
156	On the role of the prefrontal cortex in fatigue effects on cognitive flexibility - a system neurophysiological approach. <i>Scientific Reports</i> , 2018, 8, 6395.	1.6	19
157	Effects of aging on sequential cognitive flexibility are associated with fronto-parietal processing deficits. <i>Brain Structure and Function</i> , 2019, 224, 2343-2355.	1.2	19
158	Resting theta activity is associated with specific coding levels in event-related theta activity during conflict monitoring. <i>Human Brain Mapping</i> , 2020, 41, 5114-5127.	1.9	19
159	Differential modulations of response control processes by 5-HT1A gene variation. <i>NeuroImage</i> , 2010, 50, 764-771.	2.1	18
160	Dual-task performance is differentially modulated by rewards and punishments. <i>Behavioural Brain Research</i> , 2013, 250, 304-307.	1.2	18
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