Christian Beste

List of Publications by Citations

335 papers	6,783 citations	43 h-index	60 g-index
351 ext. papers	8,179 ext. citations	4.8 avg, IF	6.7 L-index

#	Paper	IF	Citations
335	A causal role of the right inferior frontal cortex in implementing strategies for multi-component behaviour. *Nature Communications*, **2015**, 6, 6587	17.4	147
334	Response inhibition subprocesses and dopaminergic pathways: basal ganglia disease effects. *Neuropsychologia*, **2010**, 48, 366-73	3.2	146
333	Psychophysiological mechanisms of interindividual differences in goal activation modes during action cascading. *Cerebral Cortex*, **2014**, 24, 2120-9	5.1	127
332	The ontogenesis of language lateralization and its relation to handedness. *Neuroscience and Biobehavioral Reviews*, **2014**, 43, 191-8	9	101
331	The norepinephrine system shows information-content specific properties during cognitive control - Evidence from EEG and pupillary responses. *NeuroImage*, **2017**, 149, 44-52	7.9	85
330	Lateralized neural mechanisms underlying the modulation of response inhibition processes. *NeuroImage*, **2011**, 55, 1771-8	7.9	80
329	Improvement and impairment of visually guided behavior through LTP- and LTD-like exposure-based visual learning. *Current Biology*, **2011**, 21, 876-82	6.3	80
328	Transcutaneous vagus nerve stimulation (tVNS) enhances response selection during action cascading processes. *European Neuropsychopharmacology*, **2015**, 25, 773-8	1.2	78
327	Temporal relationship between premonitory urges and tics in Gilles de la Tourette syndrome. *Cortex*, **2016**, 77, 24-37	3.8	77
326	Mechanisms mediating parallel action monitoring in fronto-striatal circuits. *NeuroImage*, **2012**, 62, 137-46	7.9	75
325	The Met-allele of the BDNF Val66Met polymorphism enhances task switching in elderly. *Neurobiology of Aging*, **2011**, 32, 2327.e7-19	5.6	74
324	Response inhibition in Huntington's disease-a study using ERPs and sLORETA. *Neuropsychologia*, **2008**, 46, 1290-7	3.2	74
323	Addiction Research Consortium: Losing and regaining control over drug intake (ReCoDe)-From trajectories to mechanisms and interventions. *Addiction Biology*, **2020**, 25, e12866	4.6	70
322	Translating neurobehavioural endpoints of developmental neurotoxicity tests into in vitro assays and readouts. *NeuroToxicology*, **2012**, 33, 911-24	4.4	68
321	Learning without training. *Current Biology*, **2013**, 23, R489-99	6.3	67
320	Mental rotation in female fraternal twins: Evidence for intra-uterine hormone transfer?. *Biological Psychology*, **2011**, 86, 90-3	3.2	66
319	Striatal GABA-MRS predicts response inhibition performance and its cortical electrophysiological correlates. *Brain Structure and Function*, **2015**, 220, 3555-64	4	65

318	The Effects of Time on Task in Response Selection--An ERP Study of Mental Fatigue. *Scientific Reports*, **2015**, 5, 10113	4.9	64
317	Effects of Concomitant Stimulation of the GABAergic and Norepinephrine System on Inhibitory Control - A Study Using Transcutaneous Vagus Nerve Stimulation. *Brain Stimulation*, **2016**, 9, 811-818	5.1	62
316	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. *Neuropsychologia*, **2011**, 49, 3484-93	3.2	62
315	Stimulus-response compatibility in Huntington's disease: a cognitive-neurophysiological analysis. *Journal of Neurophysiology*, **2008**, 99, 1213-23	3.2	62
314	Response mode-dependent differences in neurofunctional networks during response inhibition: an EEG-beamforming study. *Brain Structure and Function*, **2016**, 221, 4091-4101	4	61
313	Distinguishing stimulus and response codes in theta oscillations in prefrontal areas during inhibitory control of automated responses. *Human Brain Mapping*, **2017**, 38, 5681-5690	5.9	61
312	Effects of stimulus-response compatibility on inhibitory processes in Parkinson's disease. *European Journal of Neuroscience*, **2009**, 29, 855-60	3.5	61
311	Tuning perceptual competition. *Journal of Neurophysiology*, **2010**, 103, 1057-65	3.2	60
310	fMRI reveals altered auditory processing in manifest and premanifest Huntington's disease. *Neuropsychologia*, **2008**, 46, 1279-89	3.2	57
309	Effects of aging, Parkinson's disease, and dopaminergic medication on response selection and control. *Neurobiology of Aging*, **2011**, 32, 327-35	5.6	56
308	DRD1 and DRD2 genotypes modulate processing modes of goal activation processes during action cascading. *Journal of Neuroscience*, **2014**, 34, 5335-41	6.6	55
307	The role of the BDNF Val66Met polymorphism for the synchronization of error-specific neural networks. *Journal of Neuroscience*, **2010**, 30, 10727-33	6.6	55
306	Neural mechanisms and functional neuroanatomical networks during memory and cue-based task switching as revealed by residue iteration decomposition (RIDE) based source localization. *Brain Structure and Function*, **2017**, 222, 3819-3831	4	54
305	The norepinephrine system affects specific neurophysiological subprocesses in the modulation of inhibitory control by working memory demands. *Human Brain Mapping*, **2017**, 38, 68-81	5.9	53
304	Variations in the TNF-gene (TNF-308G-A) affect attention and action selection mechanisms in a dissociated fashion. *Journal of Neurophysiology*, **2010**, 104, 2523-31	3.2	53
303	Error processing in Huntington's disease. *PLoS ONE*, **2006**, 1, e86	3.7	53
302	A systems neurophysiology approach to voluntary event coding. *NeuroImage*, **2016**, 135, 324-32	7.9	52
301	Demands on response inhibition processes determine modulations of theta band activity in superior frontal areas and correlations with pupillometry - Implications for the norepinephrine system during inhibitory control. *NeuroImage*, **2017**, 157, 575-585	7.9	50

300	Functional compensation or pathology in cortico-subcortical interactions in preclinical Huntington's disease?. *Neuropsychologia*, **2007**, 45, 2922-30	3.2	49
299	Concurrent information affects response inhibition processes via the modulation of theta oscillations in cognitive control networks. *Brain Structure and Function*, **2016**, 221, 3949-3961	4	48
298	Variation in the NMDA receptor 2B subunit gene GRIN2B is associated with differential language lateralization. *Behavioural Brain Research*, **2011**, 225, 284-9	3.4	48
297	Feeling safe in the plane: neural mechanisms underlying superior action control in airplane pilot trainees--a combined EEG/MRS study. *Human Brain Mapping*, **2014**, 35, 5040-5051	5.9	47
296	Levels of error processing in Huntington's disease: a combined study using event-related potentials and voxel-based morphometry. *Human Brain Mapping*, **2008**, 29, 121-30	5.9	47
295	Increased cognitive functioning in symptomatic Huntington's disease as revealed by behavioral and event-related potential indices of auditory sensory memory and attention. *Journal of Neuroscience*, **2008**, 28, 11695-702	6.6	46
294	International Consensus Based Review and Recommendations for Minimum Reporting Standards in Research on Transcutaneous Vagus Nerve Stimulation (Version 2020). *Frontiers in Human Neuroscience*, **2020**, 14, 568051	3.3	46
293	Time processing in Huntington's disease: a group-control study. *PLoS ONE*, **2007**, 2, e1263	3.7	44
292	Neural correlates of altered sensorimotor gating in boys with Tourette Syndrome: A combined EMG/fMRI study. *World Journal of Biological Psychiatry*, **2016**, 17, 187-97	3.8	43
291	Response selection codes in neurophysiological data predict conjoint effects of controlled and automatic processes during response inhibition. *Human Brain Mapping*, **2018**, 39, 1839-1849	5.9	42
290	BDNF Val66Met polymorphism and goal-directed behavior in healthy elderly - evidence from auditory distraction. *NeuroImage*, **2013**, 64, 290-8	7.9	42
289	Response monitoring in de novo patients with Parkinson's disease. *PLoS ONE*, **2009**, 4, e4898	3.7	42
288	The impact of mental workload on inhibitory control subprocesses. *NeuroImage*, **2015**, 112, 96-104	7.9	41
287	Interacting sources of interference during sensorimotor integration processes. *NeuroImage*, **2016**, 125, 342-349	7.9	41
286	FOXP2 variation modulates functional hemispheric asymmetries for speech perception. *Brain and Language*, **2013**, 126, 279-84	2.9	39
285	Stress improves task processing efficiency in dual-tasks. *Behavioural Brain Research*, **2013**, 252, 260-5	3.4	38
284	Differential effects of motor efference copies and proprioceptive information on response evaluation processes. *PLoS ONE*, **2013**, 8, e62335	3.7	38
283	Functional 5-HT1a receptor polymorphism selectively modulates error-specific subprocesses of performance monitoring. *Human Brain Mapping*, **2010**, 31, 621-30	5.9	38

282	Time estimation in healthy ageing and neurodegenerative basal ganglia disorders. *Neuroscience Letters*, **2008**, 442, 34-8	3.3	38
281	Cholecystokinin A receptor (CCKAR) gene variation is associated with language lateralization. *PLoS ONE*, **2013**, 8, e53643	3.7	38
280	Darwin revisited: The vagus nerve is a causal element in controlling recognition of other's emotions. *Cortex*, **2017**, 92, 95-102	3.8	37
279	Increased perception-action binding in Tourette syndrome. *Brain*, **2020**, 143, 1934-1945	11.2	37
278	Tics and Tourette syndrome - surplus of actions rather than disorder?. *Movement Disorders*, **2018**, 33, 238-242	7	37
277	Altered perception-action binding modulates inhibitory control in Gilles de la Tourette syndrome. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, **2019**, 60, 953-962	7.9	37
276	On the effects of multimodal information integration in multitasking. *Scientific Reports*, **2017**, 7, 4927	4.9	37
275	On the time course of bottom-up and top-down processes in selective visual attention: an EEG study. *Psychophysiology*, **2012**, 49, 1492-1503	4.1	37
274	The Met-genotype of the BDNF Val66Met polymorphism is associated with reduced Stroop interference in elderly. *Neuropsychologia*, **2012**, 50, 3554-63	3.2	37
273	Single-subject prediction of response inhibition behavior by event-related potentials. *Journal of Neurophysiology*, **2016**, 115, 1252-62	3.2	37
272	Connecting EEG signal decomposition and response selection processes using the theory of event coding framework. *Human Brain Mapping*, **2020**, 41, 2862-2877	5.9	36
271	The neuronal mechanisms underlying improvement of impulsivity in ADHD by theta/beta neurofeedback. *Scientific Reports*, **2016**, 6, 31178	4.9	36
270	Neurite architecture of the planum temporale predicts neurophysiological processing of auditory speech. *Science Advances*, **2018**, 4, eaar6830	14.3	36
269	Latent Toxoplasma gondii infection leads to improved action control. *Brain, Behavior, and Immunity*, **2014**, 37, 103-8	16.6	36
268	The norepinephrine system and its relevance for multi-component behavior. *NeuroImage*, **2017**, 146, 1062-1070	7.9	36
267	When compensation fails: attentional deficits in healthy ageing caused by visual distraction. *Neuropsychologia*, **2012**, 50, 3185-92	3.2	36
266	The system neurophysiological basis of backward inhibition. *Brain Structure and Function*, **2016**, 221, 4575-4587	4	36
265	Crosslinking EEG time-frequency decomposition and fMRI in error monitoring. *Brain Structure and Function*, **2014**, 219, 595-605	4	35

264	Striatal and thalamic GABA level concentrations play differential roles for the modulation of response selection processes by proprioceptive information. *NeuroImage*, **2015**, 120, 36-42	7.9	33
263	Neuropeptide S receptor (NPSR1) gene variation modulates response inhibition and error monitoring. *NeuroImage*, **2013**, 71, 1-9	7.9	33
262	Individual differences in ERPs during mental rotation of characters: lateralization, and performance level. *Brain and Cognition*, **2010**, 72, 238-43	2.7	33
261	Neuronal Intra-Individual Variability Masks Response Selection Differences between ADHD Subtypes-A Need to Change Perspectives. *Frontiers in Human Neuroscience*, **2017**, 11, 329	3.3	32
260	Dissociable influences of NR2B-receptor related neural transmission on functions of distinct associative basal ganglia circuits. *NeuroImage*, **2010**, 52, 309-15	7.9	32
259	On the dependence of response inhibition processes on sensory modality. *Human Brain Mapping*, **2017**, 38, 1941-1951	5.9	31
258	Behavioral and neurophysiological evidence for the enhancement of cognitive control under dorsal pallidal deep brain stimulation in Huntingtonʼs disease. *Brain Structure and Function*, **2015**, 220, 2441-8	4	31
257	Effects of binge drinking on action cascading processes: an EEG study. *Archives of Toxicology*, **2014**, 88, 475-88	5.8	31
256	Expectancy effects during response selection modulate attentional selection and inhibitory control networks. *Behavioural Brain Research*, **2014**, 274, 53-61	3.4	31
255	Handedness genetics: considering the phenotype. *Frontiers in Psychology*, **2014**, 5, 1300	3.4	31
254	Striosomal dysfunction affects behavioral adaptation but not impulsivity-Evidence from X-linked dystonia-parkinsonism. *Movement Disorders*, **2017**, 32, 576-584	7	30
253	Testing interactive effects of automatic and conflict control processes during response inhibition - A system neurophysiological study. *NeuroImage*, **2017**, 146, 1149-1156	7.9	30
252	High-dose alcohol intoxication differentially modulates cognitive subprocesses involved in response inhibition. *Addiction Biology*, **2016**, 21, 136-45	4.6	30
251	Parallel and serial processing in dual-tasking differentially involves mechanisms in the striatum and the lateral prefrontal cortex. *Brain Structure and Function*, **2015**, 220, 3131-42	4	29
250	Action selection in a possible model of striatal medium spiny neuron dysfunction: behavioral and EEG data in a patient with benign hereditary chorea. *Brain Structure and Function*, **2015**, 220, 221-8	4	29
249	Faster perceptual learning through excitotoxic neurodegeneration. *Current Biology*, **2012**, 22, 1914-7	6.3	29
248	Decoding Stimulus-Response Representations and Their Stability Using EEG-Based Multivariate Pattern Analysis. *Cerebral Cortex Communications*, **2020**, 1, tgaa016	1.9	28
247	Deep Learning Based on Event-Related EEG Differentiates Children with ADHD from Healthy Controls. *Journal of Clinical Medicine*, **2019**, 8,	5.1	28

246	Alterations in voluntary movement execution in Huntington's disease are related to the dominant motor system: evidence from event-related potentials. *Experimental Neurology*, **2009**, 216, 148-57	5.7	28
245	Effects of high-dose ethanol intoxication and hangover on cognitive flexibility. *Addiction Biology*, **2018**, 23, 503-514	4.6	27
244	Dissociable electrophysiological subprocesses during response inhibition are differentially modulated by dopamine D1 and D2 receptors. *European Neuropsychopharmacology*, **2016**, 26, 1029-36	1.2	27
243	Action control processes in autism spectrum disorder--insights from a neurobiological and neuroanatomical perspective. *Progress in Neurobiology*, **2015**, 124, 49-83	10.9	26
242	The role of phasic norepinephrine modulations during task switching: evidence for specific effects in parietal areas. *Brain Structure and Function*, **2018**, 223, 925-940	4	26
241	The functional BDNF Val66Met polymorphism affects functions of pre-attentive visual sensory memory processes. *Neuropharmacology*, **2011**, 60, 467-71	5.5	26
240	The functional 5-HT1A receptor polymorphism affects response inhibition processes in a context-dependent manner. *Neuropsychologia*, **2011**, 49, 2664-72	3.2	26
239	Using temporal EEG signal decomposition to identify specific neurophysiological correlates of distractor-response bindings proposed by the theory of event coding. *NeuroImage*, **2020**, 209, 116524	7.9	26
238	The system-neurophysiological basis for how methylphenidate modulates perceptual-attentional conflicts during auditory processing. *Human Brain Mapping*, **2018**, 39, 5050-5061	5.9	25
237	The role of the striatum in goal activation of cascaded actions. *Neuropsychologia*, **2013**, 51, 2562-71	3.2	25
236	Transient and steady-state selection in the striatal microcircuit. *Frontiers in Computational Neuroscience*, **2013**, 7, 192	3.5	25
235	The importance of sensory integration processes for action cascading. *Scientific Reports*, **2015**, 5, 9485	4.9	24
234	Interrelation of resting state functional connectivity, striatal GABA levels, and cognitive control processes. *Human Brain Mapping*, **2015**, 36, 4383-93	5.9	24
233	A perspective on neural and cognitive mechanisms of error commission. *Frontiers in Behavioral Neuroscience*, **2015**, 9, 50	3.5	24
232	Action Video Gaming and Cognitive Control: Playing First Person Shooter Games Is Associated with Improved Action Cascading but Not Inhibition. *PLoS ONE*, **2015**, 10, e0144364	3.7	24
231	The Basal Ganglia Striosomes Affect the Modulation of Conflicts by Subliminal Information-Evidence from X-Linked Dystonia Parkinsonism. *Cerebral Cortex*, **2018**, 28, 2243-2252	5.1	23
230	Subliminally and consciously induced cognitive conflicts interact at several processing levels. *Cortex* , **2016**, 85, 75-89	3.8	23
229	The neurophysiological basis of reward effects on backward inhibition processes. *NeuroImage*, **2016** , 142, 163-171	7.9	23

228	Effects of l-Tyrosine on working memory and inhibitory control are determined by DRD2 genotypes: A randomized controlled trial. *Cortex*, **2016**, 82, 217-224	3.8	23
227	Questioning the role of the frontopolar cortex in multi-component behavior--a TMS/EEG study. *Scientific Reports*, **2016**, 6, 22317	4.9	23
226	Altered perceptual binding in Gilles de la Tourette syndrome. *Cortex*, **2016**, 83, 160-6	3.8	23
225	Anodal tDCS affects neuromodulatory effects of the norepinephrine system on superior frontal theta activity during response inhibition. *Brain Structure and Function*, **2019**, 224, 1291-1300	4	22
224	Developmental changes in visual line bisection in women throughout adulthood. *Developmental Neuropsychology*, **2006**, 30, 753-67	1.8	22
223	Applying deep learning to single-trial EEG data provides evidence for complementary theories on action control. *Communications Biology*, **2020**, 3, 112	6.7	21
222	Humans with latent toxoplasmosis display altered reward modulation of cognitive control. *Scientific Reports*, **2017**, 7, 10170	4.9	21
221	Aminobutyric acid (GABA) administration improves action selection processes: a randomised controlled trial. *Scientific Reports*, **2015**, 5, 12770	4.9	21
220	On the relevance of the alpha frequency oscillation's small-world network architecture for cognitive flexibility. *Scientific Reports*, **2017**, 7, 13910	4.9	20
219	On the relevance of EEG resting theta activity for the neurophysiological dynamics underlying motor inhibitory control. *Human Brain Mapping*, **2019**, 40, 4253-4265	5.9	20
218	Behavioral and neurophysiological evidence for increased cognitive flexibility in late childhood. *Scientific Reports*, **2016**, 6, 28954	4.9	20
217	Striatal Microstructure and Its Relevance for Cognitive Control. *Trends in Cognitive Sciences*, **2018**, 22, 747-751	14	20
216	Catecholaminergic Modulation of Conflict Control Depends on the Source of Conflicts. *International Journal of Neuropsychopharmacology*, **2018**, 21, 901-909	5.8	20
215	Perceptual conflict during sensorimotor integration processes - a neurophysiological study in response inhibition. *Scientific Reports*, **2016**, 6, 26289	4.9	20
214	Machine learning provides novel neurophysiological features that predict performance to inhibit automated responses. *Scientific Reports*, **2018**, 8, 16235	4.9	20
213	Comprehensive Behavioral Intervention for Tics reduces perception-action binding during inhibitory control in Gilles de la Tourette syndrome. *Scientific Reports*, **2020**, 10, 1174	4.9	19
212	Dopamine Modulates the Efficiency of Sensory Evidence Accumulation During Perceptual Decision Making. *International Journal of Neuropsychopharmacology*, **2018**, 21, 649-655	5.8	19
211	The relevance of the functional 5-HT1A receptor polymorphism for attention and working memory processes during mental rotation of characters. *Neuropsychologia*, **2010**, 48, 1248-54	3.2	19

210	The system neurophysiological basis of non-adaptive cognitive control: Inhibition of implicit learning mediated by right prefrontal regions. *Human Brain Mapping*, **2016**, 37, 4511-4522	5.9	19
209	Opposite effects of binge drinking on consciously vs. subliminally induced cognitive conflicts. *NeuroImage*, **2017**, 162, 117-126	7.9	18
208	When control fails: influence of the prefrontal but not striatal dopaminergic system on behavioural flexibility in a change detection task. *Neuropharmacology*, **2012**, 62, 1028-33	5.5	18
207	Differential modulations of response control processes by 5-HT1A gene variation. *NeuroImage*, **2010**, 50, 764-71	7.9	18
206	On the interrelation of 1/ neural noise and norepinephrine system activity during motor response inhibition. *Journal of Neurophysiology*, **2019**, 121, 1633-1643	3.2	17
205	The Modulation of Neural Noise Underlies the Effectiveness of Methylphenidate Treatment in Attention-Deficit/Hyperactivity Disorder. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2019**, 4, 743-750	3.4	17
204	Stimulus-response recoding during inhibitory control is associated with superior frontal and parahippocampal processes. *NeuroImage*, **2019**, 196, 227-236	7.9	17
203	Pre-trial theta band activity in the ventromedial prefrontal cortex correlates with inhibition-related theta band activity in the right inferior frontal cortex. *NeuroImage*, **2020**, 219, 117052	7.9	17
202	A literature review on the neurophysiological underpinnings and cognitive effects of transcutaneous vagus nerve stimulation: challenges and future directions. *Journal of Neurophysiology*, **2020**, 123, 1739-1755	3.2	17
201	Neurophysiological mechanisms of interval timing dissociate inattentive and combined ADHD subtypes. *Scientific Reports*, **2018**, 8, 2033	4.9	17
200	Dual-task performance is differentially modulated by rewards and punishments. *Behavioural Brain Research*, **2013**, 250, 304-7	3.4	17
199	The functional tumor necrosis factor-α (308A/G) polymorphism modulates attentional selection in elderly individuals. *Neurobiology of Aging*, **2013**, 34, 2694.e1-2694.e12	5.6	17
198	A novel cognitive-neurophysiological state biomarker in premanifest Huntington's disease validated on longitudinal data. *Scientific Reports*, **2013**, 3, 1797	4.9	17
197	How minimal variations in neuronal cytoskeletal integrity modulate cognitive control. *NeuroImage*, **2019**, 185, 129-139	7.9	17
196	A comparative study on the neurophysiological mechanisms underlying effects of methylphenidate and neurofeedback on inhibitory control in attention deficit hyperactivity disorder. *NeuroImage: Clinical*, **2018**, 20, 1191-1203	5.3	17
195	Striatal disorders dissociate mechanisms of enhanced and impaired response selection - Evidence from cognitive neurophysiology and computational modelling. *NeuroImage: Clinical*, **2014**, 4, 623-34	5.3	16
194	Differential effects of ADORA2A gene variations in pre-attentive visual sensory memory subprocesses. *European Neuropsychopharmacology*, **2012**, 22, 555-61	1.2	16
193	Paradox effects of binge drinking on response inhibition processes depending on mental workload. *Archives of Toxicology*, **2016**, 90, 1429-36	5.8	15

192	Effects of binge drinking and hangover on response selection sub-processes-a study using EEG and drift diffusion modeling. *Addiction Biology*, **2017**, 22, 1355-1365	4.6	15
191	When repetitive mental sets increase cognitive flexibility in adolescent obsessive-compulsive disorder. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, **2018**, 59, 1024-1032	7.9	15
190	Methamphetamine-associated difficulties in cognitive control allocation may normalize after prolonged abstinence. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 88, 41-52	5.5	15
189	Stress intensifies demands on response selection during action cascading processes. *Psychoneuroendocrinology*, **2014**, 42, 178-87	5	15
188	Neurophysiological variability masks differences in functional neuroanatomical networks and their effectiveness to modulate response inhibition between children and adults. *Brain Structure and Function*, **2018**, 223, 1797-1810	4	15
187	The Reelin (RELN) gene is associated with executive function in healthy individuals. *Neurobiology of Learning and Memory*, **2010**, 94, 446-51	3.1	15
186	Modulations of cognitive flexibility in obsessive compulsive disorder reflect dysfunctions of perceptual categorization. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, **2017**, 58, 939-949	7.9	14
185	Evidence for an altered architecture and a hierarchical modulation of inhibitory control processes in ADHD. *Developmental Cognitive Neuroscience*, **2019**, 36, 100623	5.5	14
184	Combined lesions of direct and indirect basal ganglia pathways but not changes in dopamine levels explain learning deficits in patients with Huntington's disease. *European Journal of Neuroscience*, **2015**, 41, 1227-44	3.5	14
183	On the role of the prefrontal cortex in fatigue effects on cognitive flexibility - a system neurophysiological approach. *Scientific Reports*, **2018**, 8, 6395	4.9	14
182	Specific properties of the SI and SII somatosensory areas and their effects on motor control: a system neurophysiological study. *Brain Structure and Function*, **2018**, 223, 687-699	4	14
181	On the relevance of the NPY2-receptor variation for modes of action cascading processes. *NeuroImage*, **2014**, 102 Pt 2, 558-64	7.9	14
180	Different strategies, but indifferent strategy adaptation during action cascading. *Scientific Reports*, **2015**, 5, 9992	4.9	14
179	The neural architecture of age-related dual-task interferences. *Frontiers in Aging Neuroscience*, **2014**, 6, 193	5.3	14
178	Response inhibition is modulated by functional cerebral asymmetries for facial expression perception. *Frontiers in Psychology*, **2013**, 4, 879	3.4	14
177	Double dissociated effects of the functional TNF-308G/A polymorphism on processes of cognitive control. *Neuropsychologia*, **2011**, 49, 196-202	3.2	14
176	Gilles de la Tourette Syndrome-A Disorder of Action-Perception Integration. *Frontiers in Neurology*, **2020**, 11, 597898	4.1	14
175	Neurophysiological mechanisms of circadian cognitive control in RLS patients - an EEG source localization study. *NeuroImage: Clinical*, **2017**, 15, 644-652	5.3	13

174	Lateralization of spatial information processing in response monitoring. *Frontiers in Psychology*, **2014**, 5, 22	3.4	13
173	Attentional capture by irrelevant transients leads to perceptual errors in a competitive change detection task. *Frontiers in Psychology*, **2012**, 3, 164	3.4	13
172	The neurophysiological basis of developmental changes during sequential cognitive flexibility between adolescents and adults. *Human Brain Mapping*, **2019**, 40, 552-565	5.9	13
171	Callosal microstructure affects the timing of electrophysiological left-right differences. *NeuroImage* , **2017**, 163, 310-318	7.9	12
170	Evidence for enhanced multi-component behaviour in Tourette syndrome - an EEG study. *Scientific Reports*, **2017**, 7, 7722	4.9	12
169	Conscientiousness increases efficiency of multicomponent behavior. *Scientific Reports*, **2015**, 5, 15731	4.9	12
168	Trans-generational neurochemical modulation of methamphetamine in the adult brain of the Wistar rat. *Archives of Toxicology*, **2017**, 91, 3373-3384	5.8	12
167	Mammalian cadherins DCHS1-FAT4 affect functional cerebral architecture. *Brain Structure and Function*, **2016**, 221, 2487-91	4	11
166	Conflict processing in juvenile patients with neurofibromatosis type 1 (NF1) and healthy controls - Two pathways to success. *NeuroImage: Clinical*, **2017**, 14, 499-505	5.3	11
165	Stimulus Feature Conflicts Enhance Motor Inhibitory Control Processes in the Lateral Prefrontal Cortex. *Journal of Cognitive Neuroscience*, **2019**, 31, 1430-1442	3.1	11
164	Left dominance for language perception starts in the extrastriate cortex: An ERP and sLORETA study. *Behavioural Brain Research*, **2015**, 291, 325-333	3.4	11
163	Effects of fatigue on cognitive control in neurosarcoidosis. *European Neuropsychopharmacology*, **2015**, 25, 522-30	1.2	11
162	Neural mechanisms underlying successful and deficient multi-component behavior in early adolescent ADHD. *NeuroImage: Clinical*, **2018**, 18, 533-542	5.3	11
161	Neurophysiological processes and functional neuroanatomical structures underlying proactive effects of emotional conflicts. *NeuroImage*, **2018**, 174, 11-21	7.9	11
160	Evidence for a neural dual-process account for adverse effects of cognitive control. *Brain Structure and Function*, **2018**, 223, 3347-3363	4	11
159	Specific neurophysiological mechanisms underlie cognitive inflexibility in inflammatory bowel disease. *Scientific Reports*, **2017**, 7, 13943	4.9	11
158	Predictability and context determine differences in conflict monitoring between adolescence and adulthood. *Behavioural Brain Research*, **2015**, 292, 10-8	3.4	11
157	Age-related differences in task goal processing strategies during action cascading. *Brain Structure and Function*, **2016**, 221, 2767-75	4	10

156	Lateral prefrontal anodal transcranial direct current stimulation augments resolution of auditory perceptual-attentional conflicts. *NeuroImage*, **2019**, 199, 217-227	7.9	10
155	Neuronal networks underlying the conjoint modulation of response selection by subliminal and consciously induced cognitive conflicts. *Brain Structure and Function*, **2019**, 224, 1697-1709	4	10
154	Complex sensorimotor transformation processes required for response selection are facilitated by the striatum. *NeuroImage*, **2015**, 123, 33-41	7.9	10
153	NPY2-receptor variation modulates iconic memory processes. *European Neuropsychopharmacology*, **2014**, 24, 1298-302	1.2	10
152	Neural correlates of individual performance differences in resolving perceptual conflict. *PLoS ONE*, **2012**, 7, e42849	3.7	10
151	A large-scale estimate on the relationship between language and motor lateralization. *Scientific Reports*, **2020**, 10, 13027	4.9	10
150	#EEGManyLabs: Investigating the replicability of influential EEG experiments. *Cortex*, **2021**, 144, 213-229	3.8	10
149	Paradoxical, causal effects of sensory gain modulation on motor inhibitory control - a tDCS, EEG-source localization study. *Scientific Reports*, **2018**, 8, 17486	4.9	10
148	Effects of multisensory stimuli on inhibitory control in adolescent ADHD: It is the content of information that matters. *NeuroImage: Clinical*, **2018**, 19, 527-537	5.3	10
147	How birds outperform humans in multi-component behavior. *Current Biology*, **2017**, 27, R996-R998	6.3	9
146	How perceptual ambiguity affects response inhibition processes. *Journal of Neurophysiology*, **2019**, 122, 500-511	3.2	9
145	Catecholaminergic effects on inhibitory control depend on the interplay of prior task experience and working memory demands. *Journal of Psychopharmacology*, **2019**, 33, 678-687	4.6	9
144	Evidence for divergent effects of neurodegeneration in Huntington's disease on attentional selection and neural plasticity: implications for excitotoxicity. *Brain Structure and Function*, **2015**, 220, 1437-47	4	9
143	Dual-Tasking in Multiple Sclerosis - Implications for a Cognitive Screening Instrument. *Frontiers in Human Neuroscience*, **2018**, 12, 24	3.3	9
142	Associative plasticity in supplementary motor area - motor cortex pathways in Tourette syndrome. *Scientific Reports*, **2018**, 8, 11984	4.9	9
141	Somatosensory lateral inhibition processes modulate motor response inhibition - an EEG source localization study. *Scientific Reports*, **2017**, 7, 4454	4.9	9
140	Improvements of sensorimotor processes during action cascading associated with changes in sensory processing architecture-insights from sensory deprivation. *Scientific Reports*, **2016**, 6, 28259	4.9	9
139	Apolipoprotein ε4 is associated with better cognitive control allocation in healthy young adults. *NeuroImage*, **2019**, 185, 274-285	7.9	9

138	Myelin Water Fraction Imaging Reveals Hemispheric Asymmetries in Human White Matter That Are Associated with Genetic Variation in PLP1. *Molecular Neurobiology*, **2019**, 56, 3999-4012	6.2	9
137	Dysfunctions in striatal microstructure can enhance perceptual decision making through deficits in predictive coding. *Brain Structure and Function*, **2017**, 222, 3807-3817	4	8
136	Differences in response inhibition processes between adolescents and adults are modulated by sensory processes. *Developmental Cognitive Neuroscience*, **2018**, 31, 35-45	5.5	8
135	Cognitive Control Processes and Functional Cerebral Asymmetries: Association with Variation in the Handedness-Associated Gene LRRTM1. *Molecular Neurobiology*, **2018**, 55, 2268-2274	6.2	8
134	How socioemotional setting modulates late-stage conflict resolution processes in the lateral prefrontal cortex. *Cognitive, Affective and Behavioral Neuroscience*, **2018**, 18, 521-535	3.5	8
133	Effects of aging on sequential cognitive flexibility are associated with fronto-parietal processing deficits. *Brain Structure and Function*, **2019**, 224, 2343-2355	4	8
132	Sensory processes modulate differences in multi-component behavior and cognitive control between childhood and adulthood. *Human Brain Mapping*, **2017**, 38, 4933-4945	5.9	8
131	Blocking effects in non-conditioned goal-directed behaviour. *Brain Structure and Function*, **2017**, 222, 2807-2818	4	8
130	The Downsides of Cognitive Enhancement. *Neuroscientist*, **2021**, 27, 322-330	7.6	8
129	Resting theta activity is associated with specific coding levels in event-related theta activity during conflict monitoring. *Human Brain Mapping*, **2020**, 41, 5114-5127	5.9	8
128	Detrimental effects of a high-dose alcohol intoxication on sequential cognitive flexibility are attenuated by practice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 89, 97-108	5.5	8
127	How high-dose alcohol intoxication affects the interplay of automatic and controlled processes. *Addiction Biology*, **2020**, 25, e12700	4.6	8
126	Neurophysiological mechanisms underlying motor feature binding processes and representations. *Human Brain Mapping*, **2021**, 42, 1313-1327	5.9	8
125	RLS patients show better nocturnal performance in the Simon task due to diminished visuo-motor priming. *Clinical Neurophysiology*, **2018**, 129, 112-121	4.3	8
124	Alcohol Hangover Increases Conflict Load via Faster Processing of Subliminal Information. *Frontiers in Human Neuroscience*, **2018**, 12, 316	3.3	8
123	Numbers in action during cognitive flexibility - A neurophysiological approach on numerical operations underlying task switching. *Cortex*, **2019**, 120, 101-115	3.8	7
122	Short-term Smartphone App-Based Focused Attention Meditation Diminishes Cognitive Flexibility. *Journal of Cognitive Neuroscience*, **2020**, 32, 1484-1496	3.1	7
121	Neurofeedback trains a superordinate system relevant for seemingly opposing behavioral control deficits depending on ADHD subtype. *Developmental Science*, **2020**, 23, e12956	4.5	7

120	Self-Regulatory Capacities Are Depleted in a Domain-Specific Manner. *Frontiers in Systems Neuroscience*, **2017**, 11, 70	3.5	7
119	Psychophysiological mechanisms underlying response selection in multidimensional space. *Scientific Reports*, **2015**, 5, 7759	4.9	7
118	Neurofeedback and its possible relevance for the treatment of Tourette syndrome. *Neuroscience and Biobehavioral Reviews*, **2015**, 51, 87-99	9	7
117	Non-invasive Brain Stimulation for the Treatment of Gilles de la Tourette Syndrome. *Frontiers in Neurology*, **2020**, 11, 592258	4.1	7
116	Response inhibition in Attention deficit disorder and neurofibromatosis type 1 - clinically similar, neurophysiologically different. *Scientific Reports*, **2017**, 7, 43929	4.9	6
115	Alcohol Hangover Slightly Impairs Response Selection but not Response Inhibition. *Journal of Clinical Medicine*, **2019**, 8,	5.1	6
114	The Presynaptic Regulation of Dopamine and Norepinephrine Synthesis Has Dissociable Effects on Different Kinds of Cognitive Conflicts. *Molecular Neurobiology*, **2019**, 56, 8087-8100	6.2	6
113	How the depth of processing modulates emotional interference - evidence from EEG and pupil diameter data. *Cognitive, Affective and Behavioral Neuroscience*, **2019**, 19, 1231-1246	3.5	6
112	PLP1 Gene Variation Modulates Leftward and Rightward Functional Hemispheric Asymmetries. *Molecular Neurobiology*, **2018**, 55, 7691-7700	6.2	6
111	Neural correlates of prediction violations in boys with Tourette syndrome: Evidence from harmonic expectancy. *World Journal of Biological Psychiatry*, **2018**, 19, 130-141	3.8	6
110	Deep brain stimulation in the globus pallidus compensates response inhibition deficits: evidence from pantothenate kinase-associated neurodegeneration. *Brain Structure and Function*, **2016**, 221, 2251-7	4	6
109	Paradoxical response inhibition advantages in adolescent obsessive compulsive disorder result from the interplay of automatic and controlled processes. *NeuroImage: Clinical*, **2019**, 23, 101893	5.3	6
108	Modulatory effects of proinflammatory cytokines for action cascading processes - evidence from neurosarcoidosis. *Brain, Behavior, and Immunity*, **2014**, 41, 126-33	16.6	6
107	Electro-Myo-Stimulation Induced Tic Exacerbation - Increased Tendencies for the Formation of Perception-Action Links in Tourette Syndrome. *Tremor and Other Hyperkinetic Movements*, **2020**, 10, 41	2	6
106	Cardiac cycle gated cognitive-emotional control in superior frontal cortices. *NeuroImage*, **2020**, 222, 117275	7.9	6
105	Neurophysiological and functional neuroanatomical coding of statistical and deterministic rule information during sequence learning. *Human Brain Mapping*, **2021**, 42, 3182-3201	5.9	6
104	Reversal of alcohol-induced effects on response control due to changes in proprioceptive information processing. *Addiction Biology*, **2017**, 22, 246-256	4.6	5
103	Are multitasking abilities impaired in welders exposed to manganese? Translating cognitive neuroscience to neurotoxicology. *Archives of Toxicology*, **2017**, 91, 2865-2877	5.8	5

102	The impact of stimulus modality on the processing of conflicting sensory information during response inhibition. *Neuroscience*, **2019**, 410, 191-201	3.9	5
101	Task experience eliminates catecholaminergic effects on inhibitory control - A randomized, double-blind cross-over neurophysiological study. *European Neuropsychopharmacology*, **2020**, 35, 89-99	1.2	5
100	Acute Alcohol Effects on Response Inhibition Depend on Response Automatization, but not on GABA or Glutamate Levels in the ACC and Striatum. *Journal of Clinical Medicine*, **2020**, 9,	5.1	5
99	On the effects of tyrosine supplementation on interference control in a randomized, double-blind placebo-control trial. *European Neuropsychopharmacology*, **2018**, 28, 933-944	1.2	5
98	Validity expectancies shape the interplay of cueing and task demands during inhibitory control associated with right inferior frontal regions. *Brain Structure and Function*, **2019**, 224, 1911-1924	4	5
97	The Role of DRD1 and DRD2 Receptors for Response Selection Under Varying Complexity Levels: Implications for Metacontrol Processes. *International Journal of Neuropsychopharmacology*, **2019**, 22, 747-753	5.8	5
96	Thalamic GABA may modulate cognitive control in restless legs syndrome. *Neuroscience Letters*, **2019**, 712, 134494	3.3	5
95	Benign hereditary chorea as an experimental model to investigate the role of medium spiny neurons for response adaptation. *Neuropsychologia*, **2014**, 59, 124-9	3.2	5
94	Olfactory short-term memory encoding and maintenance - an event-related potential study. *NeuroImage*, **2014**, 98, 475-86	7.9	5
93	Neurofilament light chain in serum is significantly increased in chorea-acanthocytosis. *Parkinsonism and Related Disorders*, **2020**, 80, 28-31	3.6	5
92	Learning Experience Reverses Catecholaminergic Effects on Adaptive Behavior. *International Journal of Neuropsychopharmacology*, **2020**, 23, 12-19	5.8	5
91	Passive perceptual learning modulates motor inhibitory control in superior frontal regions. *Human Brain Mapping*, **2020**, 41, 726-738	5.9	5
90	Evidence for a causal role of superior frontal cortex theta oscillations during the processing of joint subliminal and conscious conflicts. *Cortex*, **2020**, 132, 15-28	3.8	5
89	Dopamine D1, but not D2, signaling protects mental representations from distracting bottom-up influences. *NeuroImage*, **2020**, 204, 116243	7.9	5
88	Distinct Brain-Oscillatory Neuroanatomical Architecture of Perception-Action Integration in Adolescents With Tourette Syndrome. *Biological Psychiatry Global Open Science*, **2021**, 1, 123-134		5
87	A neural noise account of Gilles de la Tourette syndrome. *NeuroImage: Clinical*, **2021**, 30, 102654	5.3	5
86	Structural Asymmetry in the Frontal and Temporal Lobes Is Associated with PCSK6 VNTR Polymorphism. *Molecular Neurobiology*, **2019**, 56, 7765-7773	6.2	4
85	CHRM2 Genotype Affects Inhibitory Control Mechanisms During Cognitive Flexibility. *Molecular Neurobiology*, **2019**, 56, 6134-6141	6.2	4

84	Inflexible adjustment of expectations affects cognitive-emotional conflict control in adolescents with autism spectrum disorder. *Cortex*, **2020**, 130, 231-245	3.8	4
83	Effects of copper toxicity on response inhibition processes: a study in Wilson's disease. *Archives of Toxicology*, **2016**, 90, 1623-30	5.8	4
82	PLP1 and CNTN1 gene variation modulates the microstructure of human white matter in the corpus callosum. *Brain Structure and Function*, **2018**, 223, 3875-3887	4	4
81	Myelin Genes and the Corpus Callosum: Proteolipid Protein 1 (PLP1) and Contactin 1 (CNTN1) Gene Variation Modulates Interhemispheric Integration. *Molecular Neurobiology*, **2017**, 54, 7908-7916	6.2	4
80	Acute alcohol intoxication modulates the temporal dynamics of resting electroencephalography networks. *Addiction Biology*, **2021**, 26, e13034	4.6	4
79	The impact of simulated MRI scanner background noise on visual attention processes as measured by the EEG. *Scientific Reports*, **2016**, 6, 28371	4.9	4
78	High-dose ethanol intoxication decreases 1/f neural noise or scale-free neural activity in the resting state. *Addiction Biology*, **2020**, 25, e12818	4.6	4
77	Automatic aspects of response selection remain unchanged during high-dose alcohol intoxication. *Addiction Biology*, **2021**, 26, e12852	4.6	4
76	On the functional role of striatal and anterior cingulate GABA+ in stimulus-response binding. *Human Brain Mapping*, **2021**, 42, 1863-1878	5.9	4
75	Swearing and coprophenomena - A multidimensional approach. *Neuroscience and Biobehavioral Reviews*, **2021**, 126, 12-22	9	4
74	Neural dynamics of stimulus-response representations during inhibitory control. *Journal of Neurophysiology*, **2021**, 126, 680-692	3.2	4
73	Tourette syndrome as a motor disorder revisited - Evidence from action coding. *NeuroImage: Clinical*, **2021**, 30, 102611	5.3	4
72	The Intensity of Early Attentional Processing, but Not Conflict Monitoring, Determines the Size of Subliminal Response Conflicts. *Frontiers in Human Neuroscience*, **2019**, 13, 53	3.3	3
71	Low and high stimulation frequencies differentially affect automated response selection in the superior parietal cortex - implications for somatosensory area processes. *Scientific Reports*, **2020**, 10, 3954	4.9	3
70	How non-veridical perception drives actions in healthy humans: evidence from synaesthesia. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20180574	5.8	3
69	Multi-level decoding of task sets in neurophysiological data during cognitive flexibility.. *IScience*, **2021**, 24, 103502	6.1	3
68	Distinguishing Multiple Coding Levels in Theta Band Activity During Working Memory Gating Processes. *Neuroscience*, **2021**, 478, 11-23	3.9	3
67	Neurophysiological correlates of perception-action binding in the somatosensory system. *Scientific Reports*, **2020**, 10, 14794	4.9	3

66	Short-term Focused Attention Meditation Restricts the Retrieval of Stimulus-Response Bindings to Relevant Information. *Mindfulness*, **2021**, 12, 1272-1281	2.9	3
65	Neurophysiology of embedded response plans: age effects in action execution but not in feature integration from preadolescence to adulthood. *Journal of Neurophysiology*, **2021**, 125, 1382-1395	3.2	3
64	Task Switching and the Role of Motor Reprogramming in Parietal Structures. *Neuroscience*, **2021**, 461, 23-35	3.9	3
63	Dissociating direct and indirect effects: a theoretical framework of how latent toxoplasmosis affects cognitive profile across the lifespan. *Neurobiology of Aging*, **2021**, 102, 119-128	5.6	3
62	Resting-state EEG Dynamics Reveals Differences in Network Organization and its Fluctuation between Frequency Bands. *Neuroscience*, **2021**, 453, 43-56	3.9	3
61	On the Neurophysiological Mechanisms Underlying the Adaptability to Varying Cognitive Control Demands. *Frontiers in Human Neuroscience*, **2018**, 12, 411	3.3	3
60	Young frequent binge drinkers show no behavioral deficits in inhibitory control and cognitive flexibility. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 93, 93-101	5.5	2
59	Alcohol Hangover Differentially Modulates the Processing of Relevant and Irrelevant Information. *Journal of Clinical Medicine*, **2020**, 9,	5.1	2
58	EEG Signal Decomposition Evidence for a Role of Perceptual Processes during Conflict-related Behavioral Adjustments in Middle Frontal Regions. *Journal of Cognitive Neuroscience*, **2020**, 32, 1381-1393	3.1	2
57	Immediate early gene fingerprints of multi-component behaviour. *Scientific Reports*, **2020**, 10, 384	4.9	2
56	Intact Stimulus-Response Conflict Processing in ADHD-Multilevel Evidence and Theoretical Implications. *Journal of Clinical Medicine*, **2020**, 9,	5.1	2
55	Working memory load affects repetitive behaviour but not cognitive flexibility in adolescent autism spectrum disorder. *World Journal of Biological Psychiatry*, **2018**, 19, 509-520	3.8	2
54	Predictive coding and adaptive behavior in patients with genetically determined cerebellar ataxia--A neurophysiology study. *NeuroImage: Clinical*, **2019**, 24, 102043	5.3	2
53	The biopsychology-nonlinear analysis toolbox: a free, open-source Matlab-toolbox for the non-linear analysis of time series data. *Neuroinformatics*, **2010**, 8, 197-200	3.2	2
52	Gilles de la Tourette Syndrome. *Zeitschrift F Neuropsychologie = Journal of Neuropsychology*, **2019**, 30, 215-221	0.5	2
51	The interplay of resting and inhibitory control-related theta-band activity depends on age. *Human Brain Mapping*, **2021**, 42, 3845-3857	5.9	2
50	Somatosensory perception-action binding in Tourette syndrome. *Scientific Reports*, **2021**, 11, 13388	4.9	2
49	Physical intensity of stimuli modulates motor inhibition by affecting response selection processes in right inferior frontal regions. *Behavioural Brain Research*, **2019**, 359, 597-608	3.4	2

48	The dynamics of theta-related pro-active control and response inhibition processes in AD(H)D. *NeuroImage: Clinical*, **2021**, 30, 102609	5.3	2
47	Lower-level associations in Gilles de la Tourette syndrome: Convergence between hyperbinding of stimulus and response features and procedural hyperfunctioning theories. *European Journal of Neuroscience*, **2021**, 54, 5143-5160	3.5	2
46	Event-related synchronization/desynchronization and functional neuroanatomical regions associated with fatigue effects on cognitive flexibility. *Journal of Neurophysiology*, **2021**, 126, 383-397	3.2	2
45	Pandemic Tic-like Behaviors Following Social Media Consumption. *Movement Disorders*, **2021**, 36, 2932	7	2
44	Focusing on cognitive potential as the bright side of mental atypicality.. *Communications Biology*, **2022**, 5, 188	6.7	2
43	On the Reliability of Examining Dual-Tasking Abilities Using a Novel E-Health Device-A Proof of Concept Study in Multiple Sclerosis. *Journal of Clinical Medicine*, **2020**, 9,	5.1	1
42	Alcohol Hangover Does Not Alter the Application of Model-Based and Model-Free Learning Strategies. *Journal of Clinical Medicine*, **2020**, 9,	5.1	1
41	Properties of lower level processing modulate the actions of the norepinephrine system during response inhibition. *Biological Psychology*, **2020**, 152, 107862	3.2	1
40	Executive Function Deficits in Seriously Ill Children-Emerging Challenges and Possibilities for Clinical Care. *Frontiers in Pediatrics*, **2018**, 6, 92	3.4	1
39	Questioning the definition of Tourette syndrome-evidence from machine learning.. *Brain Communications*, **2021**, 3, fcab282	4.5	1
38	Increased scale-free and aperiodic neural activity during sensorimotor integration-a novel facet in Tourette syndrome. *Brain Communications*, **2021**, 3, fcab250	4.5	1
37	Towards an Ideology-Free, Truly Mechanistic Health Psychology. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	1
36	Neurophysiological coding of statistical and deterministic rule information		1
35	Why Cognitive-Cognitive Dual-Task Testing Assessment Should Be Implemented in Studies on Multiple Sclerosis and in Regular Clinical Practice. *Frontiers in Neurology*, **2020**, 11, 905	4.1	1
34	Perception-Action Integration Is Modulated by the Catecholaminergic System Depending on Learning Experience. *International Journal of Neuropsychopharmacology*, **2021**, 24, 592-600	5.8	1
33	Anodal tDCS modulates specific processing codes during conflict monitoring associated with superior and middle frontal cortices. *Brain Structure and Function*, **2021**, 226, 1335-1351	4	1
32	Affective Dysregulation in Children Is Associated With Difficulties in Response Control in Emotional Ambiguous Situations. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 7, 66-66	3.4	1
31	Methamphetamine Users Show No Behavioral Deficits in Response Selection After Protracted Abstinence. *Frontiers in Psychiatry*, **2019**, 10, 823	5	1

30	A possible role of the norepinephrine system during sequential cognitive flexibility - Evidence from EEG and pupil diameter data. *Cortex*, **2020**, 128, 22-34	3.8	1
29	Anodal transcranial direct current stimulation enhances the efficiency of functional brain network communication during auditory attentional control. *Journal of Neurophysiology*, **2020**, 124, 207-217	3.2	1
28	A novel approach to intra-individual performance variability in ADHD. *European Child and Adolescent Psychiatry*, **2021**, 30, 733-745	5.5	1
27	Feedback-Based Learning of Timing in Attention-Deficit/Hyperactivity Disorder and Neurofibromatosis Type 1. *Journal of the International Neuropsychological Society*, **2021**, 1-10	3.1	1
26	Perception-action integration in young age-A cross-sectional EEG study. *Developmental Cognitive Neuroscience*, **2021**, 50, 100977	5.5	1
25	Inter-individual differences in urge-tic associations in Tourette syndrome. *Cortex*, **2021**, 143, 80-91	3.8	1
24	Alpha and Theta Bands Dynamics Serve Distinct Functions during Perception-Action Integration in Response Inhibition.. *Journal of Cognitive Neuroscience*, **2022**, 1-17	3.1	1
23	The metacontrol hypothesis as diagnostic framework of OCD and ADHD: a dimensional approach based on shared neurobiological vulnerability.. *Neuroscience and Biobehavioral Reviews*, **2022**, 104677	9	1
22	Pre-trial fronto-occipital electrophysiological connectivity affects perception-action integration in response inhibition.. *Cortex*, **2022**, 152, 122-135	3.8	1
21	Genetic variation in dopamine availability modulates the self-reported level of action control in a sex-dependent manner. *Social Cognitive and Affective Neuroscience*, **2019**, 14, 759-768	4	0
20	Superior frontal regions reflect the dynamics of task engagement and theta band-related control processes in time-on task effects.. *Scientific Reports*, **2022**, 12, 846	4.9	0
19	Time-On-Task Effects on Working Memory Gating Processes-A Role of Theta Synchronization and the Norepinephrine System.. *Cerebral Cortex Communications*, **2022**, 3, tgac001	1.9	0
18	Neurobiological mechanisms of control in alcohol use disorder - moving towards mechanism-based non-invasive brain stimulation treatments.. *Neuroscience and Biobehavioral Reviews*, **2021**, 133, 104508-104508	9	0
17	A role of the norepinephrine system or effort in the interplay of different facets of inhibitory control.. *Neuropsychologia*, **2022**, 166, 108143	3.2	0
16	Networks in the Field of Tourette Syndrome. *Frontiers in Neurology*, **2021**, 12, 624858	4.1	0
15	Alcohol intoxication, but not hangover, differentially impairs learning and automatization of complex motor response sequences. *Scientific Reports*, **2021**, 11, 12539	4.9	0
14	A distinct electrophysiological signature for synaesthesia that is independent of individual differences in sensory sensitivity. *Cortex*, **2021**, 139, 249-266	3.8	0
13	A hierarchical processing unit for multi-component behavior in the avian brain. *IScience*, **2021**, 24, 103195	5.1	0

12	Disconnected psychology and neuroscience-implications for scientific progress, replicability and the role of publishing. *Communications Biology*, **2021**, 4, 1099	6.7	0
11	Conditional generative adversarial networks applied to EEG data can inform about the inter-relation of antagonistic behaviors on a neural level.. *Communications Biology*, **2022**, 5, 148	6.7	0
10	Resting-state theta activity is linked to information content-specific coding levels during response inhibition.. *Scientific Reports*, **2022**, 12, 4530	4.9	0
9	On the Role of Memory Representations in Action Control: Neurophysiological Decoding Reveals the Reactivation of Integrated Stimulus-Response Feature Representations.. *Journal of Cognitive Neuroscience*, **2022**, 1-13	3.1	0
8	Protocol to decode representations from EEG data with intermixed signals using temporal signal decomposition and multivariate pattern-analysis. *STAR Protocols*, **2022**, 3, 101399	1.4	0
7	Changes in cognitive control in pre-manifest Huntington's disease examined using pre-saccadic EEG potentials - a longitudinal study. *Journal of Huntington's Disease*, **2014**, 3, 33-43	1.9	
6	Neuropharmacological Interventions and Event File Coding in Gilles de la Tourette Syndrome. *Zeitschrift Für Neuropsychologie = Journal of Neuropsychology*, **2019**, 30, 223-229	0.5	
5	Sonderheft Gilles de la Tourette Syndrom. *Zeitschrift Für Neuropsychologie = Journal of Neuropsychology*, **2019**, 30, 213-214	0.5	
4	An Oppositional Tolerance Account for Potential Cognitive Deficits Caused by the Discontinuation of Antidepressant Drugs. *Pharmacopsychiatry*, **2021**, 54, 252-260	2	
3	Cognitive profile in Restless Legs Syndrome: A signal-to-noise ratio account. *Current Research in Neurobiology*, **2021**, 2, 100021	0	
2	Pushing to the Limits: What Processes during Cognitive Control are Enhanced by Reaction-Time Feedback?. *Cerebral Cortex Communications*, **2021**, 2, tgab027	1.9	
1	How low working memory demands and reduced anticipatory attentional gating contribute to impaired inhibition during acute alcohol intoxication.. *Scientific Reports*, **2022**, 12, 2892	4.9	