

Frederick Verbruggen

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

9,744
citations

57631

44
h-index

39575

94
g-index

121
all docs

121
docs citations

121
times ranked

6649
citing authors

#	ARTICLE	IF	CITATIONS
1	Response inhibition in the stop-signal paradigm. Trends in Cognitive Sciences, 2008, 12, 418-424.	4.0	1,033
2	On the ability to inhibit thought and action: General and special theories of an act of control.. Psychological Review, 2014, 121, 66-95.	2.7	727
3	Models of response inhibition in the stop-signal and stop-change paradigms. Neuroscience and Biobehavioral Reviews, 2009, 33, 647-661.	2.9	615
4	Task switching: Interplay of reconfiguration and interference control.. Psychological Bulletin, 2010, 136, 601-626.	5.5	568
5	A consensus guide to capturing the ability to inhibit actions and impulsive behaviors in the stop-signal task. ELife, 2019, 8, .	2.8	479
6	Automatic and controlled response inhibition: Associative learning in the go/no-go and stop-signal paradigms.. Journal of Experimental Psychology: General, 2008, 137, 649-672.	1.5	459
7	STOP-IT: Windows executable software for the stop-signal paradigm. Behavior Research Methods, 2008, 40, 479-483.	2.3	360
8	Fictitious Inhibitory Differences. Psychological Science, 2013, 24, 352-362.	1.8	329
9	Proactive adjustments of response strategies in the stop-signal paradigm.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 835-854.	0.7	296
10	Theta burst stimulation dissociates attention and action updating in human inferior frontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13966-13971.	3.3	273
11	Do emotional stimuli interfere with response inhibition? Evidence from the stop signal paradigm. Cognition and Emotion, 2007, 21, 391-403.	1.2	241
12	Training response inhibition to food is associated with weight loss and reduced energy intake. Appetite, 2015, 95, 17-28.	1.8	205
13	Responding with Restraint: What Are the Neurocognitive Mechanisms?. Journal of Cognitive Neuroscience, 2010, 22, 1479-1492.	1.1	189
14	Tscope: A C library for programming cognitive experiments on the MS Windows platform. Behavior Research Methods, 2006, 38, 280-286.	2.3	176
15	Stopping to food can reduce intake. Effects of stimulus-specificity and individual differences in dietary restraint. Appetite, 2015, 85, 91-103.	1.8	171
16	Banishing the Control Homunculi in Studies of Action Control and Behavior Change. Perspectives on Psychological Science, 2014, 9, 497-524.	5.2	168
17	Stop the Presses. Psychological Science, 2008, 19, 1146-1153.	1.8	151
18	Top-down and bottom-up sequential modulations of congruency effects. Psychonomic Bulletin and Review, 2006, 13, 112-117.	1.4	140

#	ARTICLE	IF	CITATIONS
19	The interaction between stop signal inhibition and distractor interference in the flanker and Stroop task. <i>Acta Psychologica</i> , 2004, 116, 21-37.	0.7	121
20	How Preparation Changes the Need for Top-Down Control of the Basal Ganglia When Inhibiting Premature Actions. <i>Journal of Neuroscience</i> , 2012, 32, 10870-10878.	1.7	121
21	The inhibitory control reflex. <i>Neuropsychologia</i> , 2014, 65, 263-278.	0.7	116
22	Stimulus- and response-conflict-induced cognitive control in the flanker task. <i>Psychonomic Bulletin and Review</i> , 2006, 13, 328-333.	1.4	107
23	Transcranial Magnetic Stimulation Reveals Dissociable Mechanisms for Global Versus Selective Corticomotor Suppression Underlying the Stopping of Action. <i>Cerebral Cortex</i> , 2012, 22, 363-371.	1.6	102
24	How to stop and change a response: The role of goal activation in multitasking.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2008, 34, 1212-1228.	0.7	98
25	Proactive and reactive stopping when distracted: An attentional account.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014, 40, 1295-1300.	0.7	98
26	Inhibition-related Activation in the Right Inferior Frontal Gyrus in the Absence of Inhibitory Cues. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3388-3399.	1.1	95
27	Control of interference during working memory updating.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2011, 37, 137-151.	0.7	92
28	The role of the right presupplementary motor area in stopping action: two studies with event-related transcranial magnetic stimulation. <i>Journal of Neurophysiology</i> , 2012, 108, 380-389.	0.9	92
29	Proactive Motor Control Reduces Monetary Risk Taking in Gambling. <i>Psychological Science</i> , 2012, 23, 805-815.	1.8	88
30	Impulsive Action but Not Impulsive Choice Determines Problem Gambling Severity. <i>PLoS ONE</i> , 2012, 7, e50647.	1.1	86
31	Short-term aftereffects of response inhibition: Repetition priming or between-trial control adjustments?. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2008, 34, 413-426.	0.7	81
32	Training response inhibition to reduce food consumption: Mechanisms, stimulus specificity and appropriate training protocols. <i>Appetite</i> , 2017, 109, 11-23.	1.8	79
33	Effects of stimulus-stimulus compatibility and stimulus-response compatibility on response inhibition. <i>Acta Psychologica</i> , 2005, 120, 307-326.	0.7	76
34	Proactive inhibitory control: A general biasing account. <i>Cognitive Psychology</i> , 2016, 86, 27-61.	0.9	75
35	Having a goal to stop action is associated with advance control of specific motor representations. <i>Neuropsychologia</i> , 2010, 48, 541-548.	0.7	72
36	Biophysical determinants of transcranial magnetic stimulation: effects of excitability and depth of targeted area. <i>Journal of Neurophysiology</i> , 2013, 109, 437-444.	0.9	72

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37	A multi-country test of brief reappraisal interventions on emotions during the COVID-19 pandemic. <i>Nature Human Behaviour</i> , 2021, 5, 1089-1110.	6.2	71
38	Automaticity of cognitive control: Goal priming in response-inhibition paradigms.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2009, 35, 1381-1388.	0.7	70
39	Long-term aftereffects of response inhibition: Memory retrieval, task goals, and cognitive control.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2008, 34, 1229-1235.	0.7	68
40	Evidence for capacity sharing when stopping. <i>Cognition</i> , 2015, 142, 81-95.	1.1	57
41	Short cue presentations encourage advance task preparation: A recipe to diminish the residual switch cost.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2007, 33, 342-356.	0.7	54
42	Voluntary task switching under load: Contribution of top-down and bottom-up factors in goal-directed behavior. <i>Psychonomic Bulletin and Review</i> , 2010, 17, 387-393.	1.4	52
43	Inhibiting Responses When Switching. <i>Experimental Psychology</i> , 2005, 52, 125-130.	0.3	48
44	Comparative incidence rates of mild adverse effects to transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2013, 124, 536-544.	0.7	47
45	Separating intentional inhibition of prepotent responses and resistance to proactive interference in alcohol-dependent individuals. <i>Drug and Alcohol Dependence</i> , 2013, 128, 200-205.	1.6	39
46	Winning and losing: Effects on impulsive action.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2017, 43, 147-168.	0.7	39
47	The effect of interference in the early processing stages on response inhibition in the stop signal task. <i>Quarterly Journal of Experimental Psychology</i> , 2006, 59, 190-203.	0.6	38
48	Valence, Arousal, and Cognitive Control: A Voluntary Task-Switching Study. <i>Frontiers in Psychology</i> , 2011, 2, 336.	1.1	38
49	How does response inhibition influence decision making when gambling?. <i>Journal of Experimental Psychology: Applied</i> , 2015, 21, 15-36.	0.9	36
50	Selective Stopping in Task Switching. <i>Experimental Psychology</i> , 2006, 53, 48-57.	0.3	36
51	A chain-retrieval model for voluntary task switching. <i>Cognitive Psychology</i> , 2012, 65, 241-283.	0.9	35
52	Should I stop or should I go? The role of associations and expectancies.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2016, 42, 115-137.	0.7	35
53	Evidence for parallel activation of the pre-supplementary motor area and inferior frontal cortex during response inhibition: a combined MEG and TMS study. <i>Royal Society Open Science</i> , 2018, 5, 171369.	1.1	34
54	Response Suppression by Automatic Retrieval of Stimulusâ€œStop Association: Evidence from Transcranial Magnetic Stimulation. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1908-1918.	1.1	32

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55	Are the Effects of Response Inhibition on Gambling Long-Lasting?. <i>PLoS ONE</i> , 2013, 8, e70155.	1.1	29
56	The phonological loop in task alternation and task repetition. <i>Memory</i> , 2005, 13, 550-560.	0.9	26
57	A novel continuous inhibitory-control task: variation in individual performance by young pheasants (<i>Phasianus colchicus</i>). <i>Animal Cognition</i> , 2017, 20, 1035-1047.	0.9	25
58	Short Article: Inhibition of irrelevant category response mappings. <i>Quarterly Journal of Experimental Psychology</i> , 2008, 61, 1629-1640.	0.6	24
59	Stimulating deep cortical structures with the batwing coil: How to determine the intensity for transcranial magnetic stimulation using coil cortex distance. <i>Journal of Neuroscience Methods</i> , 2012, 204, 238-241.	1.3	24
60	Prefrontal brain stimulation during food-related inhibition training: effects on food craving, food consumption and inhibitory control. <i>Royal Society Open Science</i> , 2019, 6, 181186.	1.1	24
61	The role of age, working memory, and response inhibition in deviance distraction: A cross-sectional study.. <i>Developmental Psychology</i> , 2016, 52, 1381-1393.	1.2	22
62	After-effects of goal shifting and response inhibition: A comparison of the stop-change and dual-task paradigms. <i>Quarterly Journal of Experimental Psychology</i> , 2008, 61, 1151-1159.	0.6	20
63	Stimulus ambiguity elicits response conflict. <i>Neuroscience Letters</i> , 2008, 435, 158-162.	1.0	19
64	Associatively mediated stopping: Training stimulus-specific inhibitory control. <i>Learning and Behavior</i> , 2016, 44, 162-174.	0.5	19
65	On the difference between response inhibition and negative priming: Evidence from simple and selective stopping. <i>Psychological Research</i> , 2005, 69, 262-271.	1.0	18
66	Critical Time Course of Right Frontoparietal Involvement in Mental Number Space. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 465-483.	1.1	17
67	Cortical and subcortical functional specificity associated with response inhibition. <i>NeuroImage</i> , 2020, 220, 117110.	2.1	17
68	Clarifying the Role of Negative Emotions in the Origin and Control of Impulsive Actions. <i>Psychologica Belgica</i> , 2020, 60, 1-17.	1.0	16
69	Investigating the role of conflict resolution in memory updating by means of the one-back choice RT task. <i>Psychological Research</i> , 2009, 73, 390-406.	1.0	15
70	Limits of Executive Control. <i>Psychological Science</i> , 2016, 27, 748-757.	1.8	15
71	A direct and conceptual replication of post-loss speeding when gambling. <i>Royal Society Open Science</i> , 2020, 7, 200090.	1.1	15
72	Reorienting the mind: The impact of novel sounds on go/no-go performance.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2015, 41, 1197-1202.	0.7	14

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73	Executive Control of Actions Across Time and Space. <i>Current Directions in Psychological Science</i> , 2016, 25, 399-404.	2.8	13
74	Mackintosh lectureâ€™: Association and cognition: Two processes, one system. <i>Quarterly Journal of Experimental Psychology</i> , 2019, 72, 98-117.	0.6	13
75	Exploring Strategies to Optimise the Impact of Food-Specific Inhibition Training on Childrenâ€™s Food Choices. <i>Frontiers in Psychology</i> , 2021, 12, 653610.	1.1	11
76	A sequential analysis of relevant and irrelevant information in the Stroop task. <i>European Journal of Cognitive Psychology</i> , 2005, 17, 642-658.	1.3	10
77	Structure and Implementation of Novel Task Rules: A Cross-Sectional Developmental Study. <i>Psychological Science</i> , 2018, 29, 1113-1125.	1.8	10
78	On the automaticity of response inhibition in individuals with alcoholism. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 2016, 51, 84-91.	0.6	9
79	How to withhold or replace a prepotent response: An analysis of the underlying control processes and their temporal dynamics. <i>Biological Psychology</i> , 2017, 123, 250-268.	1.1	9
80	Transfer of learned category-response associations is modulated by instruction. <i>Acta Psychologica</i> , 2018, 184, 144-167.	0.7	9
81	Reward anticipation changes corticospinal excitability during task preparation depending on response requirements and time pressure. <i>Cortex</i> , 2019, 120, 159-168.	1.1	9
82	Contextâ€dependent specialisation drives temporal dynamics in intraâ€and interâ€individual variation in foraging behaviour within a generalist bird population. <i>Oikos</i> , 2021, 130, 1272-1283.	1.2	9
83	Nonâ€problematic and problematic bingeâ€watchers do not differ on prepotent response inhibition: A preregistered pilot experimental study. <i>Human Behavior and Emerging Technologies</i> , 2020, 2, 259-268.	2.5	9
84	Effects of reward and punishment on the interaction between going and stopping in a selective stop-change task. <i>Psychological Research</i> , 2018, 82, 353-370.	1.0	8
85	Switching off perceptual learning: Anodal transcranial direct current stimulation (tDCS) at Fp3 eliminates perceptual learning in humans.. <i>Journal of Experimental Psychology Animal Learning and Cognition</i> , 2016, 42, 290-296.	0.3	8
86	How Does the (Re)Presentation of Instructions Influence Their Implementation?. <i>Journal of Cognition</i> , 2019, 2, 10.	1.0	8
87	Enhancement of perceptual representations by endogenous attention biases competition in response selection. <i>Attention, Perception, and Psychophysics</i> , 2011, 73, 2514-2527.	0.7	7
88	Repetition priming in the stop signal task: The electrophysiology of sequential effects of stopping. <i>Neuropsychologia</i> , 2012, 50, 2860-2868.	0.7	7
89	Intraspecific variation in inhibitory motor control in guppies, <i>Poecilia reticulata</i> . <i>Journal of Fish Biology</i> , 2021, 98, 317-328.	0.7	7
90	Development of between-trial response strategy adjustments in a continuous action control task: A cross-sectional study. <i>Journal of Experimental Child Psychology</i> , 2017, 162, 39-57.	0.7	7

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91	Are post-error adjustments influenced by beliefs in free will? A failure to replicate Rigoni, Wilquin, Brass and Burle, 2013. Royal Society Open Science, 2020, 7, 200664.	1.1	7
92	Intact associative learning in patients with schizophrenia: Evidence from a Go/NoGo paradigm. Schizophrenia Research, 2010, 122, 131-135.	1.1	6
93	Attachment and self-regulation performance in preadolescence. Journal of Social and Personal Relationships, 2019, 36, 706-716.	1.4	6
94	Resource predictability drives interannual variation in migratory behavior in a long-lived bird. Behavioral Ecology, 2022, 33, 263-270.	1.0	6
95	Increasing the difficulty of response selection does not increase the switch cost.. Canadian Journal of Experimental Psychology, 2009, 63, 323-327.	0.7	5
96	Behavioral Reluctance in Adopting Open Access Publishing: Insights From a Goal-Directed Perspective. Frontiers in Psychology, 2021, 12, 649915.	1.1	5
97	Does alcohol cue inhibitory control training survive a context shift?. Psychology of Addictive Behaviors, 2020, 34, 783-792.	1.4	5
98	Task switching and across-trial distance priming are independent. European Journal of Cognitive Psychology, 2007, 19, 1-16.	1.3	4
99	Reward does not modulate corticospinal excitability in anticipation of a Stroop trial. European Journal of Neuroscience, 2021, 53, 1019-1028.	1.2	4
100	Learning in the absence of overt practice: a novel (previously unseen) stimulus can trigger retrieval of an unpracticed response. Psychological Research, 2020, 84, 1065-1083.	1.0	3
101	On the Assimilation of Instructions: Stimulus-response Associations are Implemented but not Stimulus-task Associations. Journal of Cognition, 2019, 2, 20.	1.0	2
102	Instructed and Acquired Contingencies in Response-Inhibition Tasks. Journal of Cognition, 2019, 2, 4.	1.0	2
103	Post-error Slowing Reflects the Joint Impact of Adaptive and Maladaptive Processes During Decision Making. Frontiers in Human Neuroscience, 0, 16, .	1.0	2
104	Response Inhibition. , 2017, , 1-3.		1
105	Does Learning Influence the Detection of Signals in a Response-Inhibition Task?. Journal of Cognition, 2019, 2, 19.	1.0	1
106	Why decision making may not require awareness. Behavioral and Brain Sciences, 2014, 37, 35-36.	0.4	0
107	Benefits and costs of self-paced preparation of novel task instructions. Royal Society Open Science, 2021, 8, 210762.	1.1	0
108	Response Inhibition. , 2020, , 4452-4454.		0