GrÃ©goire Borst

List of Publications by Year in descending order

88 papers	2,019 citations	201674 27 h-index	302126 39 g-index
91 all docs	91 docs citations	91 times ranked	1761 citing authors

#	Article	IF	Citations
1	Development of cool and hot theory of mind and cool and hot inhibitory control abilities from 3.5 to 6.5 years of age. PLoS ONE, 2022, 17, e0262251.	2.5	2
2	Developing Cognitive Control and Flexible Adaptation during Childhood. , 2022, , 452-471.		1
3	Neurocomputational Methods. , 2022, , 662-687.		2
4	Numerical Cognition and Executive Functions. , 2022, , 383-407.		0
5	Mapping the Human Brain from the Prenatal Period to Infancy Using 3D Magnetic Resonance Imaging. , 2022, , 50-84.		3
6	Interventions for Improving Executive Functions during Development. , 2022, , 623-643.		0
7	The forest, the trees, and the leaves in preterm children: the impact of prematurity on a visual search task containing three-level hierarchical stimuli. European Child and Adolescent Psychiatry, 2021, 30, 253-260.	4.7	6
8	Bridging the Gap between the Lab and the Classroom: An Online Citizen Scientific Research Project with Teachers Aiming at Improving Inhibitory Control of Schoolâ€Age Children. Mind, Brain, and Education, 2021, 15, 122-128.	1.9	2
9	Toward an inhibitory control theory of the reasoning brain in development. , 2021, , 27-43.		0
10	Hot and cool response inhibition abilities develop linearly from late childhood to young adulthood. Cognitive Development, 2021, 58, 101039.	1.3	1
11	Inhibitory control and the understanding of buoyancy from childhood to adulthood. Journal of Experimental Child Psychology, 2021, 208, 105155.	1.4	4
12	A New Paradigm for the Study of Cognitive Flexibility in Children and Adolescents: The â€œVirtual House Locomotor Mazeâ€•(VHLM). Frontiers in Psychiatry, 2021, 12, 708378.	2.6	4
13	How does social evaluation influence Hot and Cool inhibitory control in adolescence?. PLoS ONE, 2021, 16, e0257753.	2.5	6
14	Towards Deciphering the Fetal Foundation of Normal Cognition and Cognitive Symptoms From Sulcation of the Cortex. Frontiers in Neuroanatomy, 2021, 15, 712862.	1.7	17
15	Sulcation of the intraparietal sulcus is related to symbolic but not non-symbolic number skills. Developmental Cognitive Neuroscience, 2021, 51, 100998.	4.0	6
16	Complex and subtle structural changes in prefrontal cortex induced by inhibitory control training from childhood to adolescence. Developmental Science, 2020, 23, e12898.	2.4	26
17	Age-related neural correlates of facial trustworthiness detection during economic interaction.. Journal of Neuroscience, Psychology, and Economics, 2020, 13, 19-33.	1.0	1
18	Chapitre 5. Le nombre et lâ€™arithmÃ©tique. , 2020, , 160-193.		0

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19	Evidence for a visuospatial bias in decimal number comparison in adolescents and in adults. Scientific Reports, 2019, 9, 14770.	3.3	7
20	Evidence for the role of inhibition in numerical comparison: A negative priming study in 7- to 8-year-olds and adults. Journal of Experimental Child Psychology, 2019, 186, 131-141.	1.4	12
21	The local properties of bold signal fluctuations at rest monitor inhibitory control training in adolescents. Developmental Cognitive Neuroscience, 2019, 38, 100664.	4.0	16
22	The progressive 6-year-old conserver: Numerical saliency and sensitivity as core mechanisms of numerical abstraction in a Piaget-like estimation task. Cognition, 2019, 190, 137-142.	2.2	10
23	Developmental frontal brain activation differences in overcoming heuristic bias. Cortex, 2019, 117, 111-121.	2.4	11
24	Inhibition of the whole number bias in decimal number comparison: A developmental negative priming study. Journal of Experimental Child Psychology, 2019, 177, 240-247.	1.4	25
25	Adolescents and adults need inhibitory control to compare fractions. Journal of Numerical Cognition, 2019, 5, 314-336.	1.2	8
26	MathsÂ: une gÃ©nÃ©ration sacrifiÃ©eÂ?. , 2019, NÂ° 112, 68-72.		1
27	Neural basis of functional fixedness during creative idea generation: An EEG study. Neuropsychologia, 2018, 118, 4-12.	1.6	50
28	Adolescentsâ€™ inhibitory control: keep it cool or lose control. Developmental Science, 2018, 21, e12491.	2.4	33
29	How interindividual differences in brain anatomy shape reading accuracy. Brain Structure and Function, 2018, 223, 701-712.	2.3	50
30	Spontaneous orientation towards irrelevant dimensions of magnitude and numerical acuity. Learning and Instruction, 2018, 54, 156-163.	3.2	6
31	Stop in the name of lies: The cost of blocking the truth to deceive. Consciousness and Cognition, 2018, 65, 141-151.	1.5	1
32	Fast and slow thinking: Electrophysiological evidence for early conflict sensitivity. Neuropsychologia, 2018, 117, 483-490.	1.6	28
33	Children inhibit global information when the forest is dense and local information when the forest is sparse. Journal of Experimental Child Psychology, 2018, 173, 155-167.	1.4	11
34	Do we need inhibitory control to be creative? Evidence from a dual-task paradigm.. Psychology of Aesthetics, Creativity, and the Arts, 2018, 12, 351-358.	1.3	28
35	Sulcal Polymorphisms of the IFC and ACC Contribute to Inhibitory Control Variability in Children and Adults. ENeuro, 2018, 5, ENEURO.0197-17.2018.	1.9	25
36	Chapitre 25. Comment le cerveau apprend Ã surmonter les obstacles cognitifsÂ?. , 2018, , 394-404.		0

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37	Predominance of lateral over vertical mirror errors in reading: A case for neuronal recycling and inhibition. Brain and Cognition, 2017, 116, 1-8.	1.8	14
38	GRAMMATICAL ATTRACTION ERROR DETECTION IN CHILDREN AND ADOLESCENTS. Cognitive Development, 2017, 44, 127-138.	1.3	5
39	Anterior cingulate cortex sulcation and its differential effects on conflict monitoring in bilinguals and monolinguals. Brain and Language, 2017, 175, 57-63.	1.6	26
40	Is inhibitory control involved in discriminating pseudowords that contain the reversible letters b and d?. Journal of Experimental Child Psychology, 2017, 162, 259-267.	1.4	16
41	Cognitive control outside of conscious awareness. Consciousness and Cognition, 2017, 53, 185-193.	1.5	7
42	Inhibitory control and decimal number comparison in school-aged children. PLoS ONE, 2017, 12, e0188276.	2.5	25
43	Taking a Thirdâ€Person Perspective Requires Inhibitory Control: Evidence From a Developmental Negative Priming Study. Child Development, 2016, 87, 1825-1840.	3.0	35
44	Expertise, inhibitory control and arithmetic word problems: A negative priming study in mathematics experts. Learning and Instruction, 2016, 45, 40-48.	3.2	23
45	Inhibitory Control as a Core Process of Creative Problem Solving and Idea Generation from Childhood to Adulthood. New Directions for Child and Adolescent Development, 2016, 2016, 61-72.	2.2	86
46	The forest, the trees, and the leaves: Differences of processing across development.. Developmental Psychology, 2016, 52, 1262-1272.	1.6	15
47	Comparing magnitudes across dimensions: a univariate and multivariate approach. , 2016, , .		1
48	Early Cerebral Constraints on Reading Skills in Schoolâ€Age Children: An <scp>MRI</scp> Study. Mind, Brain, and Education, 2016, 10, 47-54.	1.9	28
49	Inhibition of the mirror generalization process in reading in school-aged children. Journal of Experimental Child Psychology, 2016, 145, 157-165.	1.4	50
50	Inhibitory control is needed to overcome written verb inflection errors: Evidence from a developmental negative priming study. Cognitive Development, 2016, 37, 18-27.	1.3	22
51	The Learning Brain. Zeitschrift Fur Psychologie / Journal of Psychology, 2016, 224, 277-285.	1.0	57
52	Colors in mind: A novel paradigm to investigate pure color imagery.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 1152-1161.	0.9	13
53	Evidence for an inhibitory-control theory of the reasoning brain. Frontiers in Human Neuroscience, 2015, 9, 148.	2.0	65
54	Blocking Our Brain: How We Can Avoid Repetitive Mistakes!. Frontiers for Young Minds, 2015, 3, .	0.8	1

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55	Socioâ€Emotional Context and Adolescents' Decision Making: The Experience of Regret and Relief After Social Comparison. Journal of Research on Adolescence, 2015, 25, 81-91.	3.7	13
56	Fear and anger have opposite effects on risk seeking in the gain frame. Frontiers in Psychology, 2015, 6, 253.	2.1	44
57	You can detect the trees as well as the forest when adding the leaves: Evidence from visual search tasks containing three-level hierarchical stimuli. Acta Psychologica, 2015, 157, 131-143.	1.5	12
58	When Stroop helps Piaget: An inter-task positive priming paradigm in 9-year-old children. Journal of Experimental Child Psychology, 2015, 139, 71-82.	1.4	9
59	Inhibition of misleading heuristics as a core mechanism for typical cognitive development: evidence from behavioural and brainâ€imaging studies. Developmental Medicine and Child Neurology, 2015, 57, 21-25.	2.1	34
60	The cost of blocking the mirror generalization process in reading: evidence for the role of inhibitory control in discriminating letters with lateral mirror-image counterparts. Psychonomic Bulletin and Review, 2015, 22, 228-234.	2.8	47
61	Measuring inhibitory control in children and adults: brain imaging and mental chronometry. Frontiers in Psychology, 2014, 5, 616.	2.1	54
62	The Shape of the ACC Contributes to Cognitive Control Efficiency in Preschoolers. Journal of Cognitive Neuroscience, 2014, 26, 96-106.	2.3	44
63	What have we learned about the processes involved in the Iowa Gambling Task from developmental studies?. Frontiers in Psychology, 2014, 5, 915.	2.1	29
64	The Impact of Alexithymia on Pathological Gamblersâ€™ Decision Making. Cognitive and Behavioral Neurology, 2014, 27, 59-67.	0.9	19
65	Folding of the anterior cingulate cortex partially explains inhibitory control during childhood: A longitudinal study. Developmental Cognitive Neuroscience, 2014, 9, 126-135.	4.0	55
66	The Cognitive Mechanisms of the SNARC Effect: An Individual Differences Approach. PLoS ONE, 2014, 9, e95756.	2.5	50
67	Sparing of spatial mental imagery in patients with hippocampal lesions. Learning and Memory, 2013, 20, 657-663.	1.3	14
68	Inhibitory control is needed for the resolution of arithmetic word problems: A developmental negative priming study.. Journal of Educational Psychology, 2013, 105, 701-708.	2.9	58
69	Inhibitory control efficiency in a Piaget-like class-inclusion task in school-age children and adults: A developmental negative priming study.. Developmental Psychology, 2013, 49, 1366-1374.	1.6	50
70	Impact of emotional context congruency on decision making under ambiguity.. Emotion, 2013, 13, 177-182.	1.8	15
71	Fear improves mental rotation of low-spatial-frequency visual representation.. Emotion, 2013, 13, 811-816.	1.8	5
72	The role of numerical magnitude and order in the illusory perception of size and brightness. Frontiers in Psychology, 2013, 4, 484.	2.1	17

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73	Inhibitory control and visuo-spatial reversibility in Piaget's seminal number conservation task: a high-density ERP study. Frontiers in Human Neuroscience, 2013, 7, 920.	2.0	16
74	Fear and anxiety modulate mental rotation. Journal of Cognitive Psychology, 2012, 24, 665-671.	0.9	7
75	Inhibitory control in number-conservation and class-inclusion tasks: A neo-Piagetian inter-task priming study. Cognitive Development, 2012, 27, 283-298.	1.3	35
76	Representations in mental imagery and working memory: Evidence from different types of visual masks. Memory and Cognition, 2012, 40, 204-217.	1.6	42
77	Visual mental image generation does not overlap with visual short-term memory: A dual-task interference study. Memory and Cognition, 2012, 40, 360-372.	1.6	33
78	Number Conservation is Related to Childrenâ€™s Prefrontal Inhibitory Control: An fMRI Study of a Piagetian Task. PLoS ONE, 2012, 7, e40802.	2.5	31
79	Individual differences in spatial relation processing: Effects of strategy, ability, and gender. Brain and Cognition, 2011, 76, 184-190.	1.8	12
80	Integrating visual mental images and visual percepts: new evidence for depictive representations. Psychological Research, 2011, 75, 259-271.	1.7	48
81	Mental rotation is not easily cognitively penetrable. Journal of Cognitive Psychology, 2011, 23, 60-75.	0.9	29
82	Understanding the dorsal and ventral systems of the human cerebral cortex: Beyond dichotomies.. American Psychologist, 2011, 66, 624-632.	4.2	26
83	Structural properties of spatial representations in blind people: Scanning images constructed from haptic exploration or from locomotion in a 3-D audio virtual environment. Memory and Cognition, 2010, 38, 591-604.	1.6	66
84	Varying the scope of attention alters the encoding of categorical and coordinate spatial relations. Neuropsychologia, 2010, 48, 2769-2772.	1.6	18
85	Individual Differences in Spatial Mental Imagery. Quarterly Journal of Experimental Psychology, 2010, 63, 2031-2050.	1.1	37
86	Fear selectively modulates visual mental imagery and visual perception. Quarterly Journal of Experimental Psychology, 2010, 63, 833-839.	1.1	19
87	Visual mental imagery and visual perception: Structural equivalence revealed by scanning processes. Memory and Cognition, 2008, 36, 849-862.	1.6	121
88	Different cognitive processes in two image-scanning paradigms. Memory and Cognition, 2006, 34, 475-490.	1.6	17