

Pierre Barrouillet

List of Publications by Year in descending order

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79
papers

4,887
citations

109264

35
h-index

95218

68
g-index

83
all docs

83
docs citations

83
times ranked

2409
citing authors

#	ARTICLE	IF	CITATIONS
1	Time Constraints and Resource Sharing in Adults' Working Memory Spans.. Journal of Experimental Psychology: General, 2004, 133, 83-100.	1.5	702
2	Time and cognitive load in working memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2007, 33, 570-585.	0.7	414
3	The Development of Conditional Reasoning: A Mental Model Account. Developmental Review, 2002, 22, 5-36.	2.6	214
4	On the law relating processing to storage in working memory.. Psychological Review, 2011, 118, 175-192.	2.7	214
5	Mental Models in Conditional Reasoning and Working Memory. Thinking and Reasoning, 1999, 5, 289-302.	2.1	195
6	Working memory span development: A time-based resource-sharing model account.. Developmental Psychology, 2009, 45, 477-490.	1.2	166
7	Working memory and children's use of retrieval to solve addition problems. Journal of Experimental Child Psychology, 2005, 91, 183-204.	0.7	161
8	Conditional reasoning by mental models: chronometric and developmental evidence. Cognition, 2000, 75, 237-266.	1.1	145
9	Developmental Increase in Working Memory Span: Resource Sharing or Temporal Decay?. Journal of Memory and Language, 2001, 45, 1-20.	1.1	123
10	As Time Goes By. Current Directions in Psychological Science, 2012, 21, 413-419.	2.8	119
11	How can mental models theory account for content effects in conditional reasoning? A developmental perspective. Cognition, 1998, 67, 209-253.	1.1	115
12	Strategies in subtraction problem solving in children. Journal of Experimental Child Psychology, 2008, 99, 233-251.	0.7	108
13	Selecting between Competitors in Multiplication Tasks: An Explanation of the Errors Produced by Adolescents with Learning Difficulties. International Journal of Behavioral Development, 1997, 21, 253-275.	1.3	97
14	Developmental change in working memory strategies: From passive maintenance to active refreshing.. Developmental Psychology, 2011, 47, 898-904.	1.2	93
15	The impact of storage on processing: How is information maintained in working memory?. Journal of Experimental Psychology: Learning Memory and Cognition, 2014, 40, 1072-1095.	0.7	93
16	Working memory costs of task switching.. Journal of Experimental Psychology: Learning Memory and Cognition, 2008, 34, 478-494.	0.7	92
17	Time-related decay or interference-based forgetting in working memory?. Journal of Experimental Psychology: Learning Memory and Cognition, 2008, 34, 1561-1564.	0.7	86
18	ADAPT: A Developmental, Asemantic, and Procedural Model for Transcoding From Verbal to Arabic Numerals.. Psychological Review, 2004, 111, 368-394.	2.7	85

#	ARTICLE	IF	CITATIONS
19	On the problem-size effect in small additions: Can we really discard any counting-based account?. <i>Cognition</i> , 2013, 128, 35-44.	1.1	85
20	Mental models and the suppositional account of conditionals.. <i>Psychological Review</i> , 2008, 115, 760-771.	2.7	84
21	Visual and spatial working memory are not that dissociated after all: A time-based resource-sharing account.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2009, 35, 1012-1028.	0.7	80
22	From algorithmic computing to direct retrieval: Evidence from number and alphabetic arithmetic in children and adults. <i>Memory and Cognition</i> , 1998, 26, 355-368.	0.9	73
23	Heuristic and analytic processes in mental models for conditionals: An integrative developmental theory. <i>Developmental Review</i> , 2009, 29, 249-282.	2.6	70
24	Delays of retention, processing efficiency, and attentional resources in working memory span development. <i>Journal of Memory and Language</i> , 2004, 51, 644-657.	1.1	59
25	Developmental differences in working memory: Where do they come from?. <i>Journal of Experimental Child Psychology</i> , 2011, 110, 469-479.	0.7	57
26	Fast automated counting procedures in addition problem solving: When are they used and why are they mistaken for retrieval?. <i>Cognition</i> , 2016, 146, 289-303.	1.1	57
27	Dual-process theories and cognitive development: Advances and challenges. <i>Developmental Review</i> , 2011, 31, 79-85.	2.6	56
28	Time causes forgetting from working memory. <i>Psychonomic Bulletin and Review</i> , 2012, 19, 87-92.	1.4	55
29	Transitive inferences from set-inclusion relations and working memory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1996, 22, 1408-1422.	0.7	54
30	Attentional and non-attentional systems in the maintenance of verbal information in working memory: the executive and phonological loops. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 900.	1.0	50
31	Ten-year-old children strategies in mental addition: A counting model account. <i>Cognition</i> , 2016, 146, 48-57.	1.1	45
32	Working memory consolidation: insights from studies on attention and working memory. <i>Annals of the New York Academy of Sciences</i> , 2018, 1424, 8-18.	1.8	45
33	How Do Scientific Views Change? Notes From an Extended Adversarial Collaboration. <i>Perspectives on Psychological Science</i> , 2020, 15, 1011-1025.	5.2	42
34	Is the influence of working memory capacity on high-level cognition mediated by complexity or resource-dependent elementary processes?. <i>Psychonomic Bulletin and Review</i> , 2008, 15, 528-534.	1.4	40
35	Dual-task costs in working memory: An adversarial collaboration.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2019, 45, 1529-1551.	0.7	40
36	Working memory in children: A time-constrained functioning similar to adults. <i>Journal of Experimental Child Psychology</i> , 2009, 102, 368-374.	0.7	37

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37	The primacy of thinking about possibilities in the development of reasoning.. <i>Developmental Psychology</i> , 2011, 47, 1000-1011.	1.2	32
38	Forgetting at short term: When do event-based interference and temporal factors have an effect?. <i>Acta Psychologica</i> , 2013, 142, 155-167.	0.7	30
39	The maintenance of cross-domain associations in the episodic buffer.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2014, 40, 1096-1109.	0.7	30
40	Storage and processing in working memory: Assessing dual-task performance and task prioritization across the adult lifespan.. <i>Journal of Experimental Psychology: General</i> , 2019, 148, 1204-1227.	1.5	30
41	Forgetting from working memory: Does novelty encoding matter?. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2013, 39, 110-125.	0.7	29
42	Developmental and Content Effects in Reasoning with Causal Conditionals. <i>Journal of Experimental Child Psychology</i> , 2002, 81, 235-248.	0.7	27
43	Interference: unique source of forgetting in working memory?. <i>Trends in Cognitive Sciences</i> , 2009, 13, 145-146.	4.0	23
44	Consolidation and restoration of memory traces in working memory. <i>Psychonomic Bulletin and Review</i> , 2017, 24, 1651-1657.	1.4	23
45	Does the Coordination of Verbal and Motor Information Explain the Development of Counting in Children?. <i>Journal of Experimental Child Psychology</i> , 2001, 78, 240-262.	0.7	22
46	Domain-general involvement of the posterior frontolateral cortex in time-based resource-sharing in working memory: An fMRI study. <i>NeuroImage</i> , 2015, 115, 104-116.	2.1	22
47	Encoding numbers: Behavioral evidence for processing-specific representations. <i>Memory and Cognition</i> , 2006, 34, 938-948.	0.9	21
48	Maintaining information in visual working memory: Memory for bindings and memory for features are equally disrupted by increased attentional demands.. <i>Canadian Journal of Experimental Psychology</i> , 2014, 68, 158-162.	0.7	19
49	Is working memory storage intrinsically domain-specific?. <i>Journal of Experimental Psychology: General</i> , 2019, 148, 2027-2057.	1.5	19
50	: Introduction: Why is understanding the development of reasoning important?. <i>Thinking and Reasoning</i> , 2004, 10, 113-121.	2.1	17
51	Examining distinct working memory processes in children and adolescents using fMRI: Results and validation of a modified Brown-Peterson paradigm. <i>PLoS ONE</i> , 2017, 12, e0179959.	1.1	17
52	On the nature of mental models of conditional: The case of if, if then, and Only if. <i>Thinking and Reasoning</i> , 2003, 9, 289-306.	2.1	14
53	Dual-process theories of reasoning: The test of development. <i>Developmental Review</i> , 2011, 31, 151-151.	2.6	12
54	On the proper reading of the TBRS model: reply to Oberauer and Lewandowsky (2014). <i>Frontiers in Psychology</i> , 2014, 5, 1331.	1.1	12

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55	Assessing Working Memory Capacity Through Time-Constrained Elementary Activities. <i>Journal of General Psychology</i> , 2014, 141, 98-112.	1.6	11
56	Probability in reasoning: A developmental test on conditionals. <i>Cognition</i> , 2015, 137, 22-39.	1.1	11
57	Working memory still needs verbal rehearsal. <i>Memory and Cognition</i> , 2016, 44, 197-206.	0.9	11
58	The fate of distractors in working memory: No evidence for their active removal. <i>Cognition</i> , 2017, 169, 129-138.	1.1	11
59	Are small additions solved by direct retrieval from memory or automated counting procedures? A rejoinder to Chen and Campbell (2018). <i>Psychonomic Bulletin and Review</i> , 2020, 27, 1416-1418.	1.4	11
60	Chronometric evidence for memory retrieval in causal conditional reasoning: The case of the association strength effect. <i>Memory and Cognition</i> , 2005, 33, 734-741.	0.9	10
61	Evidence for knowledge of the syntax of large numbers in preschoolers. <i>Journal of Experimental Child Psychology</i> , 2010, 105, 264-271.	0.7	9
62	An empirical test of the independence between declarative and procedural working memory in Oberauer's (2009) theory. <i>Psychonomic Bulletin and Review</i> , 2015, 22, 1035-1040.	1.4	9
63	Simple spans underestimate verbal working memory capacity.. <i>Journal of Experimental Psychology: General</i> , 2021, 150, 633-665.	1.5	9
64	Cleaning working memory: The fate of distractors. <i>Journal of Memory and Language</i> , 2017, 92, 327-342.	1.1	8
65	Judgement and production of drawings by 3- to 10-year-olds: Comparison of declarative and procedural drawing knowledge. <i>European Journal of Psychology of Education</i> , 1995, 10, 303-313.	1.3	7
66	Illusory inferences from a disjunction of conditionals: a new mental models account. <i>Cognition</i> , 2000, 76, 167-173.	1.1	7
67	Choking under experimenter's presence: Impact on proactive control and practical consequences for psychological science. <i>Cognition</i> , 2019, 189, 60-64.	1.1	7
68	On some of the main criticisms of the modal model: Reappraisal from a TBRS perspective. <i>Memory and Cognition</i> , 2020, 48, 455-468.	0.9	6
69	What affects the magnitude of age-related dual-task costs in working memory? The role of stimulus domain and access to semantic representations. <i>Quarterly Journal of Experimental Psychology</i> , 2021, 74, 682-704.	0.6	6
70	Conditional reasoning in context: A developmental dual processes account. <i>Thinking and Reasoning</i> , 2014, 20, 372-384.	2.1	5
71	Spatial numerical associations in preschoolers. <i>Thinking and Reasoning</i> , 2018, 24, 221-233.	2.1	5
72	Frequency of finger looking during finger counting is related to children's working memory capacities. <i>Journal of Cognitive Psychology</i> , 2018, 30, 503-510.	0.4	5

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73	Exploring the influence of temporal factors on age differences in working memory dual task costs.. Psychology and Aging, 2021, 36, 200-213.	1.4	5
74	Schematic or taxonomic organisation of the reality and the development of class logic. International Journal of Psychology, 1994, 29, 183-212.	1.7	1
75	Is the self-organizing consciousness framework compatible with human deductive reasoning?. Behavioral and Brain Sciences, 2002, 25, 330-331.	0.4	1
76	Impact de la nature et du rythme de réalisation de la tâche secondaire dans les tâches d'empan de mémoire de travail. Année Psychologique, 2006, 106, 23.	0.2	1
77	Effects of context on the rate of conjunctive responses in the probabilistic truth table task. Thinking and Reasoning, 2019, 25, 133-150.	2.1	0
78	Is the cognitive system much more robust than anticipated? Dual-task costs and residuals in working memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2021, 47, 498-507.	0.7	0
79	Is memory better for objects than for separate single features? The temporal hypothesis.. Journal of Experimental Psychology: Learning Memory and Cognition, 2018, 44, 898-917.	0.7	0