

Silvia A Bunge

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

3,525
citations

30
h-index

59
g-index

82
ext. papers

4,274
ext. citations

5.4
avg, IF

5.7
L-index

#	Paper	IF	Citations
71	Neurocognitive development of the ability to manipulate information in working memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9315-20	11.5	333
70	Neural circuits subserving the retrieval and maintenance of abstract rules. <i>Journal of Neurophysiology</i> , 2003 , 90, 3419-28	3.2	297
69	Neurodevelopmental changes in working memory and cognitive control. <i>Current Opinion in Neurobiology</i> , 2007 , 17, 243-50	7.6	278
68	Analogical reasoning and prefrontal cortex: evidence for separable retrieval and integration mechanisms. <i>Cerebral Cortex</i> , 2005 , 15, 239-49	5.1	255
67	Beyond eye gaze: What else can eyetracking reveal about cognition and cognitive development?. <i>Developmental Cognitive Neuroscience</i> , 2017 , 25, 69-91	5.5	250
66	Neural changes underlying the development of episodic memory during middle childhood. <i>Developmental Cognitive Neuroscience</i> , 2012 , 2, 381-95	5.5	169
65	Left, but not right, rostrolateral prefrontal cortex meets a stringent test of the relational integration hypothesis. <i>NeuroImage</i> , 2009 , 46, 338-42	7.9	133
64	"Brain is to thought as stomach is to ??": investigating the role of rostrolateral prefrontal cortex in relational reasoning. <i>Journal of Cognitive Neuroscience</i> , 2008 , 20, 682-93	3.1	132
63	Resting-state fMRI: a window into human brain plasticity. <i>Neuroscientist</i> , 2014 , 20, 522-33	7.6	128
62	Neural circuitry underlying rule use in humans and nonhuman primates. <i>Journal of Neuroscience</i> , 2005 , 25, 10347-50	6.6	99
61	Intensive reasoning training alters patterns of brain connectivity at rest. <i>Journal of Neuroscience</i> , 2013 , 33, 4796-803	6.6	86
60	Transitive inference: distinct contributions of rostrolateral prefrontal cortex and the hippocampus. <i>Journal of Cognitive Neuroscience</i> , 2010 , 22, 837-47	3.1	85
59	Experience-dependent plasticity in white matter microstructure: reasoning training alters structural connectivity. <i>Frontiers in Neuroanatomy</i> , 2012 , 6, 32	3.6	85
58	Fluid reasoning and the developing brain. <i>Frontiers in Neuroscience</i> , 2009 , 3, 46-51	5.1	77
57	Evolutionary and developmental changes in the lateral frontoparietal network: a little goes a long way for higher-level cognition. <i>Neuron</i> , 2014 , 84, 906-17	13.9	72
56	Increased functional selectivity over development in rostrolateral prefrontal cortex. <i>Journal of Neuroscience</i> , 2011 , 31, 17260-8	6.6	56
55	Analogical Reasoning in the Classroom: Insights From Cognitive Science. <i>Mind, Brain, and Education</i> , 2015 , 9, 100-106	1.8	55

54	Fronto-Parietal Network Reconfiguration Supports the Development of Reasoning Ability. <i>Cerebral Cortex</i> , 2016 , 26, 2178-90	5.1	48
53	Rostrolateral prefrontal cortex: domain-general or domain-sensitive?. <i>Human Brain Mapping</i> , 2012 , 33, 1952-63	5.9	48
52	Does One Year of Schooling Improve Children's Cognitive Control and Alter Associated Brain Activation?. <i>Psychological Science</i> , 2017 , 28, 967-978	7.9	47
51	Neural correlates of fluid reasoning in children and adults. <i>Frontiers in Human Neuroscience</i> , 2007 , 1, 8	3.3	46
50	Frontoparietal Structural Connectivity in Childhood Predicts Development of Functional Connectivity and Reasoning Ability: A Large-Scale Longitudinal Investigation. <i>Journal of Neuroscience</i> , 2017 , 37, 8549-8558	6.6	43
49	Does higher education hone cognitive functioning and learning efficacy? Findings from a large and diverse sample. <i>PLoS ONE</i> , 2017 , 12, e0182276	3.7	42
48	White matter maturation supports the development of reasoning ability through its influence on processing speed. <i>Developmental Science</i> , 2013 , 16, 941-51	4.5	41
47	When generating a prediction boosts learning: The element of surprise. <i>Learning and Instruction</i> , 2018 , 55, 22-31	5.8	39
46	Task-evoked pupillometry provides a window into the development of short-term memory capacity. <i>Frontiers in Psychology</i> , 2014 , 5, 218	3.4	38
45	Risky decision-making in adolescent girls: The role of pubertal hormones and reward circuitry. <i>Psychoneuroendocrinology</i> , 2016 , 74, 77-91	5	37
44	Fluid reasoning predicts future mathematical performance among children and adolescents. <i>Journal of Experimental Child Psychology</i> , 2017 , 157, 125-143	2.3	34
43	Effortful control and early academic achievement of Chinese American children in immigrant families. <i>Early Childhood Research Quarterly</i> , 2015 , 30, 45-56	3.3	30
42	White Matter Tracts Connected to the Medial Temporal Lobe Support the Development of Mnemonic Control. <i>Cerebral Cortex</i> , 2015 , 25, 2574-83	5.1	30
41	Changes in ventromedial prefrontal and insular cortex support the development of metamemory from childhood into adolescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7582-7587	11.5	28
40	Preparatory Engagement of Cognitive Control Networks Increases Late in Childhood. <i>Cerebral Cortex</i> , 2017 , 27, 2139-2153	5.1	26
39	Age- and performance-related differences in hippocampal contributions to episodic retrieval. <i>Developmental Cognitive Neuroscience</i> , 2016 , 19, 42-50	5.5	26
38	Variations on the bilingual advantage? Links of Chinese and English proficiency to Chinese American children's self-regulation. <i>Frontiers in Psychology</i> , 2014 , 5, 1069	3.4	23
37	Neuroscientific insights into the development of analogical reasoning. <i>Developmental Science</i> , 2018 , 21, e12531	4.5	20

36	Longitudinal trajectories of hippocampal and prefrontal contributions to episodic retrieval: Effects of age and puberty. <i>Developmental Cognitive Neuroscience</i> , 2019 , 36, 100599	5.5	20
35	The effect of social rank feedback on risk taking and associated reward processes in adolescent girls. <i>Social Cognitive and Affective Neuroscience</i> , 2017 , 12, 240-250	4	19
34	Tourette Syndrome: Complementary Insights from Measures of Cognitive Control, Eyeblink Rate, and Pupil Diameter. <i>Frontiers in Psychiatry</i> , 2015 , 6, 95	5	19
33	A Naturalistic Assessment of the Organization of Children's Memories Predicts Cognitive Functioning and Reading Ability. <i>Mind, Brain, and Education</i> , 2016 , 10, 184-195	1.8	19
32	The Future of Women in Psychological Science. <i>Perspectives on Psychological Science</i> , 2021 , 16, 483-516	9.8	18
31	Eye Movements Reveal Optimal Strategies for Analogical Reasoning. <i>Frontiers in Psychology</i> , 2017 , 8, 932	3.4	15
30	Association of Intrinsic Brain Architecture With Changes in Attentional and Mood Symptoms During Development. <i>JAMA Psychiatry</i> , 2020 , 77, 378-386	14.5	15
29	The Importance of Knowing When You Don't Remember: Neural Signaling of Retrieval Failure Predicts Memory Improvement Over Time. <i>Cerebral Cortex</i> , 2018 , 28, 90-102	5.1	13
28	Comparing the bird in the hand with the ones in the bush. <i>Neuron</i> , 2009 , 62, 609-11	13.9	13
27	Changes in anterior and posterior hippocampus differentially predict item-space, item-time, and item-item memory improvement. <i>Developmental Cognitive Neuroscience</i> , 2020 , 41, 100741	5.5	13
26	Delay of gratification in childhood linked to cortical interactions with the nucleus accumbens. <i>Social Cognitive and Affective Neuroscience</i> , 2015 , 10, 1769-76	4	12
25	Culture and Automatic Emotion Regulation	39-60	11
24	Eye movements provide insight into individual differences in children's analogical reasoning strategies. <i>Acta Psychologica</i> , 2018 , 186, 18-26	1.7	10
23	Being proven wrong elicits learning in children - but only in those with higher executive function skills. <i>Developmental Science</i> , 2020 , 23, e12916	4.5	10
22	Brain imaging: your brain scan doesn't lie about your age. <i>Current Biology</i> , 2012 , 22, R800-1	6.3	9
21	Neural specificity of scene representations is related to memory performance in childhood. <i>NeuroImage</i> , 2019 , 199, 105-113	7.9	8
20	Hemispheric differences in relational reasoning: novel insights based on an old technique. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 55	3.3	8
19	Environmental Influences on Prefrontal Development	2013, 145-163	6

18	Relations of English and Heritage Language Proficiency to Response Inhibition and Attention Shifting in Dual Language Learners in Head Start. <i>Early Education and Development</i> , 2019 , 30, 357-374	1.4	6
17	Characterizing Behavioral and Brain Changes Associated with Practicing Reasoning Skills. <i>PLoS ONE</i> , 2015 , 10, e0137627	3.7	5
16	Labeling lateral prefrontal sulci using spherical data augmentation and context-aware training. <i>NeuroImage</i> , 2021 , 229, 117758	7.9	5
15	Verbal Short-Term Memory Underlies Typical Development of Thought Organization Measured as Speech Connectedness. <i>Mind, Brain, and Education</i> , 2020 , 14, 51-60	1.8	5
14	How the inference of hierarchical rules unfolds over time. <i>Cognition</i> , 2019 , 185, 151-162	3.5	4
13	AUTOMATIC LABELING OF CORTICAL SULCI USING SPHERICAL CONVOLUTIONAL NEURAL NETWORKS IN A DEVELOPMENTAL COHORT 2020 , 2020, 412-415	1.5	4
12	Eye gaze patterns reveal how we reason about fractions. <i>Thinking and Reasoning</i> , 2018 , 24, 445-468	2.6	4
11	What Connections Can We Draw Between Research on Long-Term Memory and Student Learning?. <i>Mind, Brain, and Education</i> , 2016 , 10, 135-141	1.8	4
10	How Does Education Hone Reasoning Ability?. <i>Current Directions in Psychological Science</i> , 2020 , 29, 167-173	1.3	3
9	Brain network coupling associated with cognitive performance varies as a function of a child's environment in the ABCD study. <i>Nature Communications</i> , 2021 , 12, 7183	17.4	3
8	Semantic knowledge influences visual working memory in adults and children. <i>PLoS ONE</i> , 2020 , 15, e0241110	1.1	1
7	What is an adaptive pattern of brain network coupling for a child? It depends on their environment		1
6	Home Language Environment and Executive Functions in Mexican American and Chinese American Preschoolers in Head Start. <i>Early Education and Development</i> , 1-26	1.4	1
5	Transient Neural Activation of Abstract Relations on an Incidental Analogy Task. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 77-88	3.1	1
4	Eye gaze patterns reveal how reasoning skills improve with experience. <i>Npj Science of Learning</i> , 2018 , 3, 18	6	1
3	Cognitive insights from tertiary sulci in prefrontal cortex. <i>Nature Communications</i> , 2021 , 12, 5122	17.4	1
2	Insights into visual working memory precision at the feature- and object-level from a hemispheric encoding manipulation. <i>Quarterly Journal of Experimental Psychology</i> , 2020 , 73, 1949-1968	1.8	0
1	Modeling Retest Effects in Developmental Processes Using Latent Change Score Models. <i>Structural Equation Modeling</i> , 1-15	3.7	

