

Silvia A Bunge

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

4,856
citations

136740

32
h-index

106150

65
g-index

82
all docs

82
docs citations

82
times ranked

5250
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond eye gaze: What else can eyetracking reveal about cognition and cognitive development?. <i>Developmental Cognitive Neuroscience</i> , 2017, 25, 69-91.	1.9	412
2	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, 9315-9320.	3.3	392
3	Neural Circuits Subserving the Retrieval and Maintenance of Abstract Rules. <i>Journal of Neurophysiology</i> , 2003, 90, 3419-3428.	0.9	329
4	Neurodevelopmental changes in working memory and cognitive control. <i>Current Opinion in Neurobiology</i> , 2007, 17, 243-250.	2.0	325
5	Analogical Reasoning and Prefrontal Cortex: Evidence for Separable Retrieval and Integration Mechanisms. <i>Cerebral Cortex</i> , 2004, 15, 239-249.	1.6	297
6	Neural changes underlying the development of episodic memory during middle childhood. <i>Developmental Cognitive Neuroscience</i> , 2012, 2, 381-395.	1.9	213
7	Resting-State fMRI. <i>Neuroscientist</i> , 2014, 20, 522-533.	2.6	177
8	Left, but not right, rostromedial prefrontal cortex meets a stringent test of the relational integration hypothesis. <i>NeuroImage</i> , 2009, 46, 338-342.	2.1	168
9	“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, 682-693.	1.1	151
10	Neural Circuitry Underlying Rule Use in Humans and Nonhuman Primates. <i>Journal of Neuroscience</i> , 2005, 25, 10347-10350.	1.7	113
11	Experience-dependent plasticity in white matter microstructure: reasoning training alters structural connectivity. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 32.	0.9	113
12	Evolutionary and Developmental Changes in the Lateral Frontoparietal Network: A Little Goes a Long Way for Higher-Level Cognition. <i>Neuron</i> , 2014, 84, 906-917.	3.8	111
13	Intensive Reasoning Training Alters Patterns of Brain Connectivity at Rest. <i>Journal of Neuroscience</i> , 2013, 33, 4796-4803.	1.7	110
14	Fluid reasoning and the developing brain. <i>Frontiers in Neuroscience</i> , 2009, 3, 46-51.	1.4	107
15	Transitive Inference: Distinct Contributions of Rostrolateral Prefrontal Cortex and the Hippocampus. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 837-847.	1.1	102
16	Does higher education hone cognitive functioning and learning efficacy? Findings from a large and diverse sample. <i>PLoS ONE</i> , 2017, 12, e0182276.	1.1	88
17	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.	1.7	80
18	Analogical Reasoning in the Classroom: Insights From Cognitive Science. <i>Mind, Brain, and Education</i> , 2015, 9, 100-106.	0.9	76

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19	Fronto-Parietal Network Reconfiguration Supports the Development of Reasoning Ability. <i>Cerebral Cortex</i> , 2016, 26, 2178-2190.	1.6	76
20	White matter maturation supports the development of reasoning ability through its influence on processing speed. <i>Developmental Science</i> , 2013, 16, 941-951.	1.3	67
21	When generating a prediction boosts learning: The element of surprise. <i>Learning and Instruction</i> , 2018, 55, 22-31.	1.9	67
22	Increased Functional Selectivity over Development in Rostrolateral Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2011, 31, 17260-17268.	1.7	66
23	Does One Year of Schooling Improve Children's Cognitive Control and Alter Associated Brain Activation?. <i>Psychological Science</i> , 2017, 28, 967-978.	1.8	66
24	Rostrolateral prefrontal cortex: Domain-general or domain-sensitive?. <i>Human Brain Mapping</i> , 2012, 33, 1952-1963.	1.9	60
25	The Future of Women in Psychological Science. <i>Perspectives on Psychological Science</i> , 2021, 16, 483-516.	5.2	59
26	Neural correlates of fluid reasoning in children and adults. <i>Frontiers in Human Neuroscience</i> , 2007, 1, 8.	1.0	57
27	Task-evoked pupillometry provides a window into the development of short-term memory capacity. <i>Frontiers in Psychology</i> , 2014, 5, 218.	1.1	56
28	Fluid reasoning predicts future mathematical performance among children and adolescents. <i>Journal of Experimental Child Psychology</i> , 2017, 157, 125-143.	0.7	55
29	Risky decision-making in adolescent girls: The role of pubertal hormones and reward circuitry. <i>Psychoneuroendocrinology</i> , 2016, 74, 77-91.	1.3	47
30	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.	3.3	47
31	Effortful control and early academic achievement of Chinese American children in immigrant families. <i>Early Childhood Research Quarterly</i> , 2015, 30, 45-56.	1.6	40
32	Preparatory Engagement of Cognitive Control Networks Increases Late in Childhood. <i>Cerebral Cortex</i> , 2017, 27, 2139-2153.	1.6	40
33	Association of Intrinsic Brain Architecture With Changes in Attentional and Mood Symptoms During Development. <i>JAMA Psychiatry</i> , 2020, 77, 378.	6.0	40
34	Cognitive insights from tertiary sulci in prefrontal cortex. <i>Nature Communications</i> , 2021, 12, 5122.	5.8	38
35	White Matter Tracts Connected to the Medial Temporal Lobe Support the Development of Mnemonic Control. <i>Cerebral Cortex</i> , 2015, 25, 2574-2583.	1.6	33
36	Age- and performance-related differences in hippocampal contributions to episodic retrieval. <i>Developmental Cognitive Neuroscience</i> , 2016, 19, 42-50.	1.9	32

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37	Neuroscientific insights into the development of analogical reasoning. <i>Developmental Science</i> , 2018, 21, e12531.	1.3	32
38	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.	0.9	31
39	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.	1.9	31
40	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.	1.1	30
41	Longitudinal trajectories of hippocampal and prefrontal contributions to episodic retrieval: Effects of age and puberty. <i>Developmental Cognitive Neuroscience</i> , 2019, 36, 100599.	1.9	27
42	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.	1.5	22
43	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.	5.8	22
44	Eye movements provide insight into individual differences in children's analogical reasoning strategies. <i>Acta Psychologica</i> , 2018, 186, 18-26.	0.7	21
45	Tourette Syndrome: Complementary Insights from Measures of Cognitive Control, Eyeblink Rate, and Pupil Diameter. <i>Frontiers in Psychiatry</i> , 2015, 6, 95.	1.3	20
46	Delay of gratification in childhood linked to cortical interactions with the nucleus accumbens. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1769-1776.	1.5	20
47	Neural specificity of scene representations is related to memory performance in childhood. <i>NeuroImage</i> , 2019, 199, 105-113.	2.1	20
48	Eye Movements Reveal Optimal Strategies for Analogical Reasoning. <i>Frontiers in Psychology</i> , 2017, 8, 932.	1.1	19
49	Labeling lateral prefrontal sulci using spherical data augmentation and context-aware training. <i>NeuroImage</i> , 2021, 229, 117758.	2.1	19
50	Sulcal depth in prefrontal cortex: a novel predictor of working memory performance. <i>Cerebral Cortex</i> , 2023, 33, 1799-1813.	1.6	19
51	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.	1.6	18
52	Comparing the Bird in the Hand with the Ones in the Bush. <i>Neuron</i> , 2009, 62, 609-611.	3.8	15
53	Being proven wrong elicits learning in children "but only in those with higher executive function skills. <i>Developmental Science</i> , 2020, 23, e12916.	1.3	15
54	Characterizing Behavioral and Brain Changes Associated with Practicing Reasoning Skills. <i>PLoS ONE</i> , 2015, 10, e0137627.	1.1	12

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55	Verbal Short-Term Memory Underlies Typical Development of Thought Organization Measured as Speech Connectedness. <i>Mind, Brain, and Education</i> , 2020, 14, 51-60.	0.9	12
56	Semantic knowledge influences visual working memory in adults and children. <i>PLoS ONE</i> , 2020, 15, e0241110.	1.1	12
57	Brain Imaging: Your Brain Scan Doesn't Lie About Your Age. <i>Current Biology</i> , 2012, 22, R800-R801.	1.8	11
58	Hemispheric Differences in Relational Reasoning: Novel Insights Based on an Old Technique. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 55.	1.0	10
59	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.	1.6	9
60	What Connections Can We Draw Between Research on Long-Term Memory and Student Learning?. <i>Mind, Brain, and Education</i> , 2016, 10, 135-141.	0.9	8
61	How the inference of hierarchical rules unfolds over time. <i>Cognition</i> , 2019, 185, 151-162.	1.1	8
62	How Does Education Hone Reasoning Ability?. <i>Current Directions in Psychological Science</i> , 2020, 29, 167-173.	2.8	8
63	Eye gaze patterns reveal how we reason about fractions. <i>Thinking and Reasoning</i> , 2018, 24, 445-468.	2.1	7
64	Environmental Influences on Prefrontal Development. , 2013, , 145-163.		7
65	Automatic Labeling of Cortical Sulci Using Spherical Convolutional Neural Networks in a Developmental Cohort. , 2020, 2020, 412-415.		6
66	Eye gaze patterns reveal how reasoning skills improve with experience. <i>Npj Science of Learning</i> , 2018, 3, 18.	1.5	3
67	Transient Neural Activation of Abstract Relations on an Incidental Analogy Task. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 77-88.	1.1	3
68	Home Language Environment and Executive Functions in Mexican American and Chinese American Preschoolers in Head Start. <i>Early Education and Development</i> , 0, , 1-26.	1.6	3
69	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.	0.6	1
70	Modeling Retest Effects in Developmental Processes Using Latent Change Score Models. <i>Structural Equation Modeling</i> , 2022, 29, 295-309.	2.4	0