Sian L Beilock

List of Publications by Year
in descending order

35 papers	4,710 citations	257101 24 h-index	344852 36 g-index
37 all docs	37 docs citations	37 times ranked	3919 citing authors

#	Article	IF	Citations
1	Female teachersâ€™ math anxiety affects girlsâ€™ math achievement. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1860-1863.	3.3	628
2	The Role of Parents and Teachers in the Development of Gender-Related Math Attitudes. Sex Roles, 2012, 66, 153-166.	1.4	546
3	Stereotype threat and working memory: Mechanisms, alleviation, and spillover.. Journal of Experimental Psychology: General, 2007, 136, 256-276.	1.5	427
4	Math at home adds up to achievement in school. Science, 2015, 350, 196-198.	6.0	299
5	Math anxiety: who has it, why it develops, and how to guard against it. Trends in Cognitive Sciences, 2012, 16, 404-406.	4.0	267
6	Actionâ€™s Influence on Thought: The Case of Gesture. Perspectives on Psychological Science, 2010, 5, 664-674.	5.2	248
7	From poor performance to success under stress: Working memory, strategy selection, and mathematical problem solving under pressure.. Journal of Experimental Psychology: Learning Memory and Cognition, 2007, 33, 983-998.	0.7	230
8	On the relationship between math anxiety and math achievement in early elementary school: The role of problem solving strategies. Journal of Experimental Child Psychology, 2016, 141, 83-100.	0.7	204
9	The Math Anxiety-Performance Link. Current Directions in Psychological Science, 2017, 26, 52-58.	2.8	197
10	Physical Experience Enhances Science Learning. Psychological Science, 2015, 26, 737-749.	1.8	188
11	When Math Hurts: Math Anxiety Predicts Pain Network Activation in Anticipation of Doing Math. PLoS ONE, 2012, 7, e48076.	1.1	185
12	Sports experience changes the neural processing of action language. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13269-13273.	3.3	177
13	On the Causal Mechanisms of Stereotype Threat: Can Skills That Don't Rely Heavily on Working Memory Still Be Threatened?. Personality and Social Psychology Bulletin, 2006, 32, 1059-1071.	1.9	171
14	Mathematics Anxiety: Separating the Math from the Anxiety. Cerebral Cortex, 2012, 22, 2102-2110.	1.6	157
15	Mathematics anxiety and stereotype threat: shared mechanisms, negative consequences and promising interventions. Research in Mathematics Education, 2013, 15, 115-128.	1.0	119
16	From attentional control to attentional spillover: A skill-level investigation of attention, movement, and performance outcomes. Human Movement Science, 2012, 31, 1473-1499.	0.6	86
17	Expert athletes activate somatosensory and motor planning regions of the brain when passively listening to familiar sports sounds. Brain and Cognition, 2014, 87, 122-133.	0.8	72
18	Reducing socioeconomic disparities in the STEM pipeline through student emotion regulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1553-1558.	3.3	62

#	Article	IF	Citations
19	Sensitivity of alpha and beta oscillations to sensorimotor characteristics of action: An EEG study of action production and gesture observation. Neuropsychologia, 2012, 50, 2745-2751.	0.7	61
20	Beyond the playing field: sport psychology meets embodied cognition. International Review of Sport and Exercise Psychology, 2008, 1, 19-30.	3.1	57
21	When does haste make waste? Speed-accuracy tradeoff, skill level, and the tools of the trade.. Journal of Experimental Psychology: Applied, 2008, 14, 340-352.	0.9	57
22	Calculated avoidance: Math anxiety predicts math avoidance in effort-based decision-making. Science Advances, 2019, 5, eaay1062.	4.7	48
23	Putting in the mind versus putting on the green: Expertise, performance time, and the linking of imagery and action. Quarterly Journal of Experimental Psychology, 2008, 61, 920-932.	0.6	37
24	Teachers' Spatial Anxiety Relates to 1stâ€•and 2ndâ€Graders' Spatial Learning. Mind, Brain, and Education, 2013, 7, 196-199.	0.9	34
25	Grounding cognition in action: expertise, comprehension, and judgment. Progress in Brain Research, 2009, 174, 3-11.	0.9	21
26	Characterizing the neural coding of symbolic quantities. NeuroImage, 2018, 178, 503-518.	2.1	21
27	Elementary school teachers' math anxiety and students' math learning: A largeâ€scale replication. Developmental Science, 2021, 24, e13080.	1.3	18
28	Jump-Starting Early Childhood Education at Home. Perspectives on Psychological Science, 2015, 10, 727-732.	5.2	14
29	Performance during competition and competition outcome in relation to testosterone and cortisol among women. Hormones and Behavior, 2017, 92, 82-92.	1.0	12
30	Simple arithmetic: not so simple for highly math anxious individuals. Social Cognitive and Affective Neuroscience, 2017, 12, 1940-1949.	1.5	12
31	New Directions for Research on the Role of Parents and Teachers in the Development of Gender-Related Math Attitudes: Response to Commentaries. Sex Roles, 2012, 66, 191-196.	1.4	10
32	From Janet T. Spenceâ€™s Manifest Anxiety Scale to the Present Day: Exploring Math Anxiety and its Relation to Math Achievement. Sex Roles, 2017, 77, 718-724.	1.4	7
33	In Physics Education, Perception Matters. Mind, Brain, and Education, 2015, 9, 164-169.	0.9	6
34	How do generic statements impact performance? Evidence for entity beliefs. Developmental Science, 2017, 20, e12396.	1.3	5
35	Practical Implications of Test Anxiety Toolsâ€”Response. Science, 2011, 332, 792-792.	6.0	1