Steven T Piantadosi

List of Publications by Year
in descending order

43 papers	3,209 citations	331670 21 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	2211 citing authors

#	Article	IF	Citations
1	The cultural origins of symbolic number.. Psychological Review, 2022, 129, 1442-1456.	3.8	8
2	One model for the learning of language. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	18
3	Exact Number Concepts Are Limited to the Verbal Count Range. Psychological Science, 2022, 33, 371-381.	3.3	9
4	Logical word learning: The case of kinship. Psychonomic Bulletin and Review, 2022, 29, 766-799.	2.8	3
5	The evolution of quantitative sensitivity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200529.	4.0	14
6	Reply to Murphy and Leivada: Program induction can learn language. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	0
7	Reply to Kodner etÂal.: Fundamental misunderstanding of both model and methods. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	0
8	The Computational Origin of Representation. Minds and Machines, 2021, 31, 1-58.	4.8	25
9	Spatial concepts of number, size, and time in an indigenous culture. Science Advances, 2021, 7, .	10.3	10
10	Uncontrolled corpus composition drives an apparent surge in cognitive distortions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
11	People Infer Recursive Visual Concepts from Just a Few Examples. Computational Brain & Behavior, 2020, 3, 54-65.	1.7	12
12	The neural basis of predictive pursuit. Nature Neuroscience, 2020, 23, 252-259.	14.8	54
13	The Child as Hacker. Trends in Cognitive Sciences, 2020, 24, 900-915.	7.8	31
14	A unified account of numerosity perception. Nature Human Behaviour, 2020, 4, 1265-1272.	12.0	50
15	Recursive sequence generation in monkeys, children, U.S. adults, and native Amazonians. Science Advances, 2020, 6, eaaz1002.	10.3	42
16	Composition is the Core Driver of the Language-selective Network. Neurobiology of Language (Cambridge, Mass), 2020, 1, 104-134.	3.1	63
17	A primarily serial, foveal accumulator underlies approximate numerical estimation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17729-17734.	7.1	22
18	Humans store about 1.5 megabytes of information during language acquisition. Royal Society Open Science, 2019, 6, 181393.	2.4	18

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19	One-to-one correspondence without language. Royal Society Open Science, 2019, 6, 190495.	2.4	4
20	Limits on Composition of Conceptual Operations in 9‑Month‑Olds. Infancy, 2018, 23, 310-324.	1.6	5
21	Beyond Reward Prediction Errors: Human Striatum Updates Rule Values During Learning. Cerebral Cortex, 2018, 28, 3965-3975.	2.9	24
22	Word Forms Are Structured for Efficient Use. Cognitive Science, 2018, 42, 3116-3134.	1.7	20
23	Birth seasons and heights among girls and boys below 12 years of age: lasting effects and catch-up growth among native Amazonians in Bolivia. Annals of Human Biology, 2018, 45, 299-313.	1.0	7
24	Words cluster phonetically beyond phonotactic regularities. Cognition, 2017, 163, 128-145.	2.2	30
25	Color naming across languages reflects color use. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10785-10790.	7.1	165
26	Learning abstract visual concepts via probabilistic program induction in a Language of Thought. Cognition, 2017, 168, 320-334.	2.2	18
27	How Data Drive Early Word Learning: A Cross-Linguistic Waiting Time Analysis. Open Mind, 2017, 1, 67-77.	1.7	8
28	Wordform Similarity Increases With Semantic Similarity: An Analysis of 100 Languages. Cognitive Science, 2017, 41, 2149-2169.	1.7	33
29	The logical primitives of thought: Empirical foundations for compositional cognitive models.. Psychological Review, 2016, 123, 392-424.	3.8	84
30	Four Problems Solved by the Probabilistic Language of Thought. Current Directions in Psychological Science, 2016, 25, 54-59.	5.3	24
31	A rational analysis of the approximate number system. Psychonomic Bulletin and Review, 2016, 23, 877-886.	2.8	28
32	Problems in philosophy of mathematics: A view from cognitive science. , 2015, , 305-320.		1
33	Children's learning of number words in an indigenous farming‑foraging group. Developmental Science, 2014, 17, 553-563.	2.4	54
34	The Goldilocks Effect in Infant Auditory Attention. Child Development, 2014, 85, 1795-1804.	3.0	113
35	Zipf's word frequency law in natural language: A critical review and future directions. Psychonomic Bulletin and Review, 2014, 21, 1112-1130.	2.8	415
36	Rich analysis and rational models: inferring individual behavior from infant looking data. Developmental Science, 2014, 17, 321-337.	2.4	22

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37	A Noisy-Channel Account of Crosslinguistic Word-Order Variation. Psychological Science, 2013, 24, 1079-1088.	3.3	155
38	Info/information theory: Speakers choose shorter words in predictive contexts. Cognition, 2013, 126, 313-318.	2.2	144
39	Rational integration of noisy evidence and prior semantic expectations in sentence interpretation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8051-8056.	7.1	249
40	The communicative function of ambiguity in language. Cognition, 2012, 122, 280-291.	2.2	272
41	Bootstrapping in a language of thought: A formal model of numerical concept learning. Cognition, 2012, 123, 199-217.	2.2	116
42	The Goldilocks Effect: Human Infants Allocate Attention to Visual Sequences That Are Neither Too Simple Nor Too Complex. PLoS ONE, 2012, 7, e36399.	2.5	455
43	Word lengths are optimized for efficient communication. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3526-3529.	7.1	368