

Steven T Piantadosi

List of Publications by Year in descending order

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Version: 2024-02-01

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 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
2	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
3	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
4	The communicative function of ambiguity in language. Cognition, 2012, 122, 280-291.	2.2	272
5	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
6	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
7	A Noisy-Channel Account of Crosslinguistic Word-Order Variation. Psychological Science, 2013, 24, 1079-1088.	3.3	155
8	Info/information theory: Speakers choose shorter words in predictive contexts. Cognition, 2013, 126, 313-318.	2.2	144
9	Bootstrapping in a language of thought: A formal model of numerical concept learning. Cognition, 2012, 123, 199-217.	2.2	116
10	The Goldilocks Effect in Infant Auditory Attention. Child Development, 2014, 85, 1795-1804.	3.0	113
11	The logical primitives of thought: Empirical foundations for compositional cognitive models.. Psychological Review, 2016, 123, 392-424.	3.8	84
12	Composition is the Core Driver of the Language-selective Network. Neurobiology of Language (Cambridge, Mass), 2020, 1, 104-134.	3.1	63
13	Children's learning of number words in an indigenous farming-foraging group. Developmental Science, 2014, 17, 553-563.	2.4	54
14	The neural basis of predictive pursuit. Nature Neuroscience, 2020, 23, 252-259.	14.8	54
15	A unified account of numerosity perception. Nature Human Behaviour, 2020, 4, 1265-1272.	12.0	50
16	Recursive sequence generation in monkeys, children, U.S. adults, and native Amazonians. Science Advances, 2020, 6, eaaz1002.	10.3	42
17	Wordform Similarity Increases With Semantic Similarity: An Analysis of 100 Languages. Cognitive Science, 2017, 41, 2149-2169.	1.7	33
18	The Child as Hacker. Trends in Cognitive Sciences, 2020, 24, 900-915.	7.8	31

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19	Words cluster phonetically beyond phonotactic regularities. <i>Cognition</i> , 2017, 163, 128-145.	2.2	30
20	A rational analysis of the approximate number system. <i>Psychonomic Bulletin and Review</i> , 2016, 23, 877-886.	2.8	28
21	The Computational Origin of Representation. <i>Minds and Machines</i> , 2021, 31, 1-58.	4.8	25
22	Four Problems Solved by the Probabilistic Language of Thought. <i>Current Directions in Psychological Science</i> , 2016, 25, 54-59.	5.3	24
23	Beyond Reward Prediction Errors: Human Striatum Updates Rule Values During Learning. <i>Cerebral Cortex</i> , 2018, 28, 3965-3975.	2.9	24
24	Rich analysis and rational models: inferring individual behavior from infant looking data. <i>Developmental Science</i> , 2014, 17, 321-337.	2.4	22
25	A primarily serial, foveal accumulator underlies approximate numerical estimation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17729-17734.	7.1	22
26	Word Forms Are Structured for Efficient Use. <i>Cognitive Science</i> , 2018, 42, 3116-3134.	1.7	20
27	Learning abstract visual concepts via probabilistic program induction in a Language of Thought. <i>Cognition</i> , 2017, 168, 320-334.	2.2	18
28	Humans store about 1.5 megabytes of information during language acquisition. <i>Royal Society Open Science</i> , 2019, 6, 181393.	2.4	18
29	One model for the learning of language. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
30	The evolution of quantitative sensitivity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200529.	4.0	14
31	People Infer Recursive Visual Concepts from Just a Few Examples. <i>Computational Brain & Behavior</i> , 2020, 3, 54-65.	1.7	12
32	Spatial concepts of number, size, and time in an indigenous culture. <i>Science Advances</i> , 2021, 7, .	10.3	10
33	Uncontrolled corpus composition drives an apparent surge in cognitive distortions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
34	Exact Number Concepts Are Limited to the Verbal Count Range. <i>Psychological Science</i> , 2022, 33, 371-381.	3.3	9
35	How Data Drive Early Word Learning: A Cross-Linguistic Waiting Time Analysis. <i>Open Mind</i> , 2017, 1, 67-77.	1.7	8
36	The cultural origins of symbolic number.. <i>Psychological Review</i> , 2022, 129, 1442-1456.	3.8	8

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37	Birth seasons and heights among girls and boys below 12 years of age: lasting effects and catch-up growth among native Amazonians in Bolivia. <i>Annals of Human Biology</i> , 2018, 45, 299-313.	1.0	7
38	Limits on Composition of Conceptual Operations in 9â€Monthâ€Olds. <i>Infancy</i> , 2018, 23, 310-324.	1.6	5
39	One-to-one correspondence without language. <i>Royal Society Open Science</i> , 2019, 6, 190495.	2.4	4
40	Logical word learning: The case of kinship. <i>Psychonomic Bulletin and Review</i> , 2022, 29, 766-799.	2.8	3
41	Problems in philosophy of mathematics: A view from cognitive science. , 2015, , 305-320.		1
42	Reply to Murphy and Leivada: Program induction can learn language. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	0
43	Reply to Kodner etÂal.: Fundamental misunderstanding of both model and methods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	0