

Stefan L Frank

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,491
citations

471509

17
h-index

414414

32
g-index

52
all docs

52
docs citations

52
times ranked

930
citing authors

#	ARTICLE	IF	CITATIONS
1	The ERP response to the amount of information conveyed by words in sentences. <i>Brain and Language</i> , 2015, 140, 1-11.	1.6	228
2	Prediction During Natural Language Comprehension. <i>Cerebral Cortex</i> , 2016, 26, 2506-2516.	2.9	186
3	Insensitivity of the Human Sentence-Processing System to Hierarchical Structure. <i>Psychological Science</i> , 2011, 22, 829-834.	3.3	154
4	How hierarchical is language use?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4522-4531.	2.6	150
5	Uncertainty Reduction as a Measure of Cognitive Load in Sentence Comprehension. <i>Topics in Cognitive Science</i> , 2013, 5, 475-494.	1.9	97
6	Reconciling Embodied and Distributional Accounts of Meaning in Language. <i>Topics in Cognitive Science</i> , 2014, 6, 359-370.	1.9	76
7	Word predictability and semantic similarity show distinct patterns of brain activity during language comprehension. <i>Language, Cognition and Neuroscience</i> , 2017, 32, 1192-1203.	1.2	74
8	Connectionist semantic systematicity. <i>Cognition</i> , 2009, 110, 358-379.	2.2	59
9	Using stochastic language models (SLM) to map lexical, syntactic, and phonological information processing in the brain. <i>PLoS ONE</i> , 2017, 12, e0177794.	2.5	54
10	Cross-linguistic Differences in Processing Double-Embedded Relative Clauses: Working Memory Constraints or Language Statistics?. <i>Cognitive Science</i> , 2016, 40, 554-578.	1.7	51
11	Reading time data for evaluating broad-coverage models of English sentence processing. <i>Behavior Research Methods</i> , 2013, 45, 1182-1190.	4.0	41
12	Modeling knowledge-based inferences in story comprehension. <i>Cognitive Science</i> , 2003, 27, 875-910.	1.7	39
13	Hierarchical and sequential processing of language. <i>Language, Cognition and Neuroscience</i> , 2018, 33, 1213-1218.	1.2	39
14	Probabilistic language models in cognitive neuroscience: Promises and pitfalls. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 579-588.	6.1	38
15	Lexical representation explains cortical entrainment during speech comprehension. <i>PLoS ONE</i> , 2018, 13, e0197304.	2.5	31
16	Evaluating information-theoretic measures of word prediction in naturalistic sentence reading. <i>Neuropsychologia</i> , 2019, 134, 107198.	1.6	31
17	Learn more by training less: systematicity in sentence processing by recurrent networks. <i>Connection Science</i> , 2006, 18, 287-302.	3.0	24
18	Sentence Comprehension as Mental Simulation: An Information-Theoretic Perspective. <i>Information (Switzerland)</i> , 2011, 2, 672-696.	2.9	15

#	ARTICLE	IF	CITATIONS
19	Strong Systematicity in Sentence Processing by an Echo State Network. Lecture Notes in Computer Science, 2006, , 505-514.	1.3	11
20	World Knowledge in Computational Models of Discourse Comprehension. Discourse Processes, 2008, 45, 429-463.	1.8	11
21	Judgements about double-embedded relative clauses differ between languages. Psychological Research, 2019, 83, 1581-1593.	1.7	10
22	Coherence-driven resolution of referential ambiguity: A computational model. Memory and Cognition, 2007, 35, 1307-1322.	1.6	8
23	Learning semantic sentence representations from visually grounded language without lexical knowledge. Natural Language Engineering, 2019, 25, 451-466.	2.5	6
24	Simulating Code-switching Using a Neural Network Model of Bilingual Sentence Production. Computational Brain & Behavior, 2021, 4, 87-100.	1.7	6
25	The male bias of a generically-intended masculine pronoun: Evidence from eye-tracking and sentence evaluation. PLoS ONE, 2021, 16, e0249309.	2.5	6
26	Is structural priming between different languages a learning effect? Modelling priming as error-driven implicit learning. Language, Cognition and Neuroscience, 2023, 38, 537-557.	1.2	6
27	Modeling the auxiliary phrase asymmetry in code-switched Spanishâ€“English. Bilingualism, 2021, 24, 271-280.	1.3	4
28	Sentence-processing in echo state networks: a qualitative analysis by finite state machine extraction. Connection Science, 2010, 22, 135-155.	3.0	3
29	Toward Computational Models of Multilingual Sentence Processing. Language Learning, 2021, 71, 193-218.	2.7	3
30	Unsupervised Text Segmentation Predicts Eye Fixations During Reading. Frontiers in Artificial Intelligence, 2022, 5, 731615.	3.4	3
31	Simulating. , 2019, , .		2
32	Predicting Without Modeling: A Critique of Trabasso and Bartolone (2003).. Journal of Experimental Psychology: Learning Memory and Cognition, 2005, 31, 374-377.	0.9	1
33	The missing-VP effect in readers of English as a second language. Memory and Cognition, 2021, 49, 1204-1219.	1.6	1
34	Automated Abstraction of Dynamic Neural Systems for Natural Language Processing. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
35	Reservoir computing and the Sooner-is-Better bottleneck. Behavioral and Brain Sciences, 2016, 39, e73.	0.7	0