Sean Roberts

List of Publications by Year
in descending order

83 papers	3,006 citations	218592 26 h-index	182361 51 g-index
89 all docs	89 docs citations	89 times ranked	1940 citing authors

#	Article	IF	Citations
1	Arbitrariness, Iconicity, and Systematicity in Language. Trends in Cognitive Sciences, 2015, 19, 603-615.	4.0	384
2	Universal Principles in the Repair of Communication Problems. PLoS ONE, 2015, 10, e0136100.	1.1	206
3	The phonological-distributional coherence hypothesis: Cross-linguistic evidence in language acquisitionâ̄†. Cognitive Psychology, 2007, 55, 259-305.	0.9	163
4	How arbitrary is language?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130299.	1.8	158
5	Differential coding of perception in the worldâ€™s languages. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11369-11376.	3.3	150
6	Climate, vocal folds, and tonal languages: Connecting the physiological and geographic dots. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1322-1327.	3.3	127
7	Linguistic Diversity and Traffic Accidents: Lessons from Statistical Studies of Cultural Traits. PLoS ONE, 2013, 8, e70902.	1.1	107
8	Words in puddles of sound: modelling psycholinguistic effects in speech segmentation. Journal of Child Language, 2010, 37, 545-564.	0.8	88
9	The arbitrariness of the sign: Learning advantages from the structure of the vocabulary.. Journal of Experimental Psychology: General, 2011, 140, 325-347.	1.5	86
10	Sleep on it, but only if it is difficult: Effects of sleep on problem solving. Memory and Cognition, 2013, 41, 159-166.	0.9	85
11	Future Tense and Economic Decisions: Controlling for Cultural Evolution. PLoS ONE, 2015, 10, e0132145.	1.1	79
12	The role of sound symbolism in language learning.. Journal of Experimental Psychology: Learning Memory and Cognition, 2012, 38, 1152-1164.	0.7	71
13	The effects of linguistic experience on the flexible use of mutual exclusivity in word learning. Bilingualism, 2015, 18, 626-638.	1.0	68
14	Modeling reading development: Cumulative, incremental learning in a computational model of word naming. Journal of Memory and Language, 2010, 63, 506-525.	1.1	66
15	Correlational Studies in Typological and Historical Linguistics. Annual Review of Linguistics, 2015, 1, 221-241.	1.2	65
16	Simultaneous segmentation and generalisation of non-adjacent dependencies from continuous speech. Cognition, 2016, 147, 70-74.	1.1	63
17	Investigating the association between childrenâ€™s screen media exposure and vocabulary size in the UK. Journal of Children and Media, 2018, 12, 51-65.	1.0	60
18	The effects of processing and sequence organization on the timing of turn taking: a corpus study. Frontiers in Psychology, 2015, 6, 509.	1.1	59

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19	Language evolution and climate: the case of desiccation and tone. Journal of Language Evolution, 2016, 1, 33-46.	2.2	59
20	Cultural influences on word meanings revealed through large-scale semantic alignment. Nature Human Behaviour, 2020, 4, 1029-1038.	6.2	50
21	Double-blind reviewing at EvoLang 11 reveals gender bias. Journal of Language Evolution, 2016, 1, 163-167.	0.4	50
22	Learning grammatical categories from distributional cues: Flexible frames for language acquisition. Cognition, 2010, 116, 341-360.	1.1	46
23	How Word Meaning Influences Word Reading. Current Directions in Psychological Science, 2015, 24, 322-328.	2.8	45
24	Sleep promotes analogical transfer in problem solving. Cognition, 2015, 143, 25-30.	1.1	41
25	Social Structure and Language Structure: the New Nomothetic Approach. Psychology of Language and Communication, 2012, 16, 89-112.	0.2	33
26	Integrating constraints for learning word–referent mappings. Cognition, 2012, 123, 133-143.	1.1	29
27	Gavagai Is as Gavagai Does: Learning Nouns and Verbs From Cross‐Situational Statistics. Cognitive Science, 2015, 39, 1099-1112.	0.8	29
28	Combining Language Corpora With Experimental and Computational Approaches for Language Acquisition Research. Language Learning, 2017, 67, 14-39.	1.4	29
29	Discovering large grain sizes in a transparent orthography: Insights from a connectionist model of Italian word naming. European Journal of Cognitive Psychology, 2010, 22, 813-835.	1.3	28
30	Robust, Causal, and Incremental Approaches to Investigating Linguistic Adaptation. Frontiers in Psychology, 2018, 9, 166.	1.1	24
31	Age of acquisition predicts rate of lexical evolution. Cognition, 2014, 133, 530-534.	1.1	23
32	Comparing cross-situational word learning, retention, and generalisation in children with autism and typical development. Cognition, 2020, 200, 104265.	1.1	23
33	Probabilistic Cues to Grammatical Category in English Orthography and Their Influence During Reading. Scientific Studies of Reading, 2009, 13, 73-93.	1.3	20
34	Multimodality and the origin of a novel communication system in face-to-face interaction. Royal Society Open Science, 2020, 7, 182056.	1.1	20
35	The Interactive Origin of Iconicity. Cognitive Science, 2018, 42, 334-349.	0.8	18
36	Investigating the relationship between fast mapping, retention, and generalisation of words in children with autism spectrum disorder and typical development. Cognition, 2019, 187, 126-138.	1.1	18

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37	Canalization of Language Structure From Environmental Constraints: A Computational Model of Word Learning From Multiple Cues. Topics in Cognitive Science, 2017, 9, 21-34.	1.1	16
38	Quantity and Diversity of Preliteracy Language Exposure Both Affect Literacy Development: Evidence from a Computational Model of Reading. Scientific Studies of Reading, 2019, 23, 235-253.	1.3	16
39	Learning vocabulary and grammar from cross-situational statistics. Cognition, 2021, 206, 104475.	1.1	16
40	Developing evaluation tools for assessing the educational potential of apps for preschool children in the UK. Journal of Children and Media, 2021, 15, 410-430.	1.0	16
41	Do sound symbolism effects for written words relate to individual phonemes or to phoneme features?. Language and Cognition, 2019, 11, 235-255.	0.2	15
42	Cognitive influences in language evolution: Psycholinguistic predictors of loan word borrowing. Cognition, 2019, 186, 147-158.	1.1	15
43	CHIELD: the causal hypotheses in evolutionary linguistics database. Journal of Language Evolution, 2020, 5, 101-120.	2.2	15
44	Literacy effects on language and vision: Emergent effects from an amodal shared resource (ASR) computational model. Cognitive Psychology, 2014, 75, 28-54.	0.9	14
45	Lateralised sleep spindles relate to false memory generation. Neuropsychologia, 2017, 107, 60-67.	0.7	14
46	Hemispheric dissociation and dyslexia in a computational model of readingâ˜†. Brain and Language, 2008, 107, 185-193.	0.8	13
47	A Single Paradigm for Implicit and Statistical Learning. Topics in Cognitive Science, 2019, 11, 536-554.	1.1	12
48	Sleep-Driven Computations in Speech Processing. PLoS ONE, 2017, 12, e0169538.	1.1	11
49	Disambiguating durational cues for speech segmentation. Journal of the Acoustical Society of America, 2013, 134, EL45-EL51.	0.5	10
50	Conversation, cognition and cultural evolution. Interaction Studies, 2017, 18, 402-442.	0.4	10
51	Prestige and content biases together shape the cultural transmission of narratives. Evolutionary Human Sciences, 2021, 3, .	0.9	10
52	The effect of repetition and similarity on sequence learning. Memory and Cognition, 2008, 36, 1509-1514.	0.9	9
53	Flexible Use of Mutual Exclusivity in Word Learning. Language Learning and Development, 2016, 12, 79-91.	0.7	9
54	The relationships between oral language and reading instruction: Evidence from a computational model of reading. Cognitive Psychology, 2020, 123, 101336.	0.9	9

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55	Language in Economics and Accounting Research: The Role of Linguistic History. International Journal of Accounting, 2021, 56, .	0.9	9
56	Mark my words: High frequency marker words impact early stages of language learning.. Journal of Experimental Psychology: Learning Memory and Cognition, 2019, 45, 1883-1898.	0.7	9
57	Receptive and expressive language ability differentially support symbolic understanding over time: Picture comprehension in late talking and typically developing children. Journal of Experimental Child Psychology, 2022, 214, 105305.	0.7	9
58	A case for systematic sound symbolism in pragmatics: Universals in wh-words. Journal of Pragmatics, 2017, 116, 1-20.	0.8	8
59	The Changing Role of Sound€Symbolism for Small Versus Large Vocabularies. Cognitive Science, 2018, 42, 578-590.	0.8	8
60	Why are some languages confused for others? Investigating data from the Great Language Game. PLoS ONE, 2017, 12, e0165934.	1.1	7
61	The role of chronotype and reward processing in understanding social hierarchies in adolescence. Brain and Behavior, 2021, 11, e02090.	1.0	7
62	Selecting educational apps for preschool children: How useful are website app rating systems?. British Journal of Educational Technology, 2022, 53, 1262-1282.	3.9	7
63	Hemispheric processing of memory is affected by sleep. Brain and Language, 2017, 167, 36-43.	0.8	6
64	Editors' Introduction: Aligning Implicit Learning and Statistical Learning: Two Approaches, One Phenomenon. Topics in Cognitive Science, 2019, 11, 459-467.	1.1	6
65	Iconicity and Diachronic Language Change. Cognitive Science, 2021, 45, e12968.	0.8	6
66	Commentary: Large-scale psychological differences within China explained by rice vs. wheat agriculture. Frontiers in Psychology, 2015, 6, 950.	1.1	4
67	Exploring Variation Between Artificial Grammar Learning Experiments: Outlining a Meta€Analysis Approach. Topics in Cognitive Science, 2020, 12, 875-893.	1.1	4
68	MODELLING SENSORY INTEGRATION AND EMBODIED COGNITION IN A MODEL OF WORD RECOGNITION. , 2009, , .		3
69	Double-blind reviewing and gender biases at EvoLang conferences: An update. Journal of Language Evolution, 0, , .	2.2	2
70	Exploring the history of pronouns in South America with computer-assisted methods. Journal of Language Evolution, 2020, 5, 54-74.	2.2	2
71	SOCIAL INTERACTION INFLUENCES THE EVOLUTION OF COGNITIVE BIASES FOR LANGUAGE. , 2014, , .		2
72	Complex Word Recognition Behaviour Emerges from the Richness of the Word Learning Environment. , 2016, , .		1

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73	What are the social, economic and ecological conditions for the evolution of complex communication systems?. Physics of Life Reviews, 2018, 26-27, 152-154.	1.5	1
74	Errata for Roberts & Verhoef (2016). Journal of Language Evolution, 2019, 4, 140-141.	2.2	1
75	BALANCING ARBITRARINESS AND SYSTEMATICITY IN LANGUAGE EVOLUTION. , 2010, , .		1
76	WHAT ARE THE FUNCTIONAL UNITS IN READING? EVIDENCE FOR STATISTICAL VARIATION INFLUENCING WORD PROCESSING. , 2011, , .		1
77	A CONNECTIONIST MODEL OF READING FOR ITALIAN. , 2009, , .		0
78	DETECTING DIFFERENCES BETWEEN THE LANGUAGES OF NEANDERTALS AND MODERN HUMANS. , 2014, , .		0
79	Implementing the â€œSimpleâ€•Model of Reading Deficits: A Connectionist Investigation of Interactivity. , 2016, , .		0
80	Developmental psycholinguistics teaches us that we need multi-method, not single-method, approaches to the study of linguistic representation. Behavioral and Brain Sciences, 2017, 40, e308.	0.4	0
81	ICONIC VERSUS ARBITRARY MAPPINGS AND THE CULTURAL TRANSMISSION OF LANGUAGE. , 2006, , .		0
82	GRAIN SIZE EFFECTS IN READING: INSIGHTS FROM CONNECTIONIST MODELS OF IMPAIRED READING. , 2008, , .		0
83	Language in educational apps for pre-schoolers. A comparison of grammatical constructions and psycholinguistic features in apps, books and child directed speech. Journal of Child Language, 2022, , 1-27.	0.8	0