Bob McMurray

List of Publications by Year
in descending order

116 papers	5,464 citations	81743 39 h-index	95083 68 g-index
136 all docs	136 docs citations	136 times ranked	2855 citing authors

#	Article	IF	Citations
1	Word learning emerges from the interaction of online referent selection and slow associative learning.. Psychological Review, 2012, 119, 831-877.	2.7	308
2	Gradient effects of within-category phonetic variation on lexical access. Cognition, 2002, 86, B33-B42.	1.1	306
3	Speaker variability augments phonological processing in early word learning. Developmental Science, 2009, 12, 339-349.	1.3	258
4	What information is necessary for speech categorization? Harnessing variability in the speech signal by integrating cues computed relative to expectations.. Psychological Review, 2011, 118, 219-246.	2.7	201
5	Within-category VOT affects recovery from â€œlexicalâ€•garden-paths: Evidence against phoneme-level inhibition. Journal of Memory and Language, 2009, 60, 65-91.	1.1	196
6	Statistical learning of phonetic categories: insights from a computational approach. Developmental Science, 2009, 12, 369-378.	1.3	186
7	Individual differences in online spoken word recognition: Implications for SLI. Cognitive Psychology, 2010, 60, 1-39.	0.9	172
8	How Can Hearing Loss Cause Dementia?. Neuron, 2020, 108, 401-412.	3.8	169
9	Defusing the Childhood Vocabulary Explosion. Science, 2007, 317, 631-631.	6.0	164
10	Cue Integration With Categories: Weighting Acoustic Cues in Speech Using Unsupervised Learning and Distributional Statistics. Cognitive Science, 2010, 34, 434-464.	0.8	157
11	Continuous Perception and Graded Categorization. Psychological Science, 2010, 21, 1532-1540.	1.8	150
12	Short Arms and Talking Eggs: Why We Should No Longer Abide the Nativistâ€“Empiricist Debate. Child Development Perspectives, 2009, 3, 79-87.	2.1	133
13	Longitudinal Speech Perception and Language Performance in Pediatric Cochlear Implant Users. Ear and Hearing, 2014, 35, 148-160.	1.0	130
14	Finding the Signal by Adding Noise: The Role of Noncontrastive Phonetic Variability in Early Word Learning. Infancy, 2010, 15, 608-635.	0.9	129
15	Infants are sensitive to within-category variation in speech perception. Cognition, 2005, 95, B15-B26.	1.1	106
16	Infant directed speech and the development of speech perception: Enhancing development or an unintended consequence?. Cognition, 2013, 129, 362-378.	1.1	105
17	Spatiotemporal Structure of REM Sleep Twitching Reveals Developmental Origins of Motor Synergies. Current Biology, 2013, 23, 2100-2109.	1.8	86
18	Anticipatory Eye Movements Reveal Infants' Auditory and Visual Categories. Infancy, 2004, 6, 203-229.	0.9	82

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19	Functional organization of human auditory cortex: Investigation of response latencies through direct recordings. NeuroImage, 2014, 101, 598-609.	2.1	78
20	Whatâ€™s new? Children prefer novelty in referent selection. Cognition, 2011, 118, 234-244.	1.1	76
21	Gradient sensitivity to within-category variation in words and syllables.. Journal of Experimental Psychology: Human Perception and Performance, 2008, 34, 1609-1631.	0.7	76
22	Tracking the time course of phonetic cue integration during spoken word recognition. Psychonomic Bulletin and Review, 2008, 15, 1064-1071.	1.4	70
23	Automated Corneal-Reflection Eye Tracking in Infancy: Methodological Developments and Applications to Cognition. Infancy, 2004, 6, 155-163.	0.9	69
24	Using Variability to Guide Dimensional Weighting: Associative Mechanisms in Early Word Learning. Cognitive Science, 2011, 35, 1105-1138.	0.8	69
25	Testâ€“Retest Reliability of Eye Tracking in the Visual World Paradigm for the Study of Real-Time Spoken Word Recognition. Journal of Speech, Language, and Hearing Research, 2013, 56, 1328-1345.	0.7	67
26	Rate effects on Swedish VOT: Evidence for phonological overspecification. Journal of Phonetics, 2011, 39, 39-49.	0.6	64
27	Waiting for lexical access: Cochlear implants or severely degraded input lead listeners to process speech less incrementally. Cognition, 2017, 169, 147-164.	1.1	64
28	Statistical learning in reading: Variability in irrelevant letters helps children learn phonics skills.. Developmental Psychology, 2013, 49, 1348-1365.	1.2	63
29	Slowing Down Fast Mapping: Redefining the Dynamics of Word Learning. Child Development Perspectives, 2015, 9, 74-78.	2.1	62
30	Unmasking the acoustic effects of vowel-to-vowel coarticulation: A statistical modeling approach. Journal of Phonetics, 2010, 38, 167-184.	0.6	60
31	Contributions of Attentional Style and Previous Experience to 4â€Monthâ€Old Infantsâ€™ Categorization. Infancy, 2012, 17, 324-338.	0.9	59
32	Lexical effects on compensation for coarticulation: the ghost of Christmash past. Cognitive Science, 2003, 27, 285-298.	0.8	52
33	The process of spoken word recognition in the face of signal degradation.. Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 308-327.	0.7	51
34	The slow developmental time course of real-time spoken word recognition.. Developmental Psychology, 2015, 51, 1690-1703.	1.2	51
35	Cue-integration and context effects in speech: Evidence against speaking-rate normalization. Attention, Perception, and Psychophysics, 2012, 74, 1284-1301.	0.7	49
36	Immediate lexical integration of novel word forms. Cognition, 2015, 134, 85-99.	1.1	49

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37	Probabilistic constraint satisfaction at the lexical/phonetic interface: evidence for gradient effects of within-category VOT on lexical access. Journal of Psycholinguistic Research, 2003, 32, 77-97.	0.7	48
38	Semantic priming is affected by real-time phonological competition: Evidence for continuous cascading systems. Psychonomic Bulletin and Review, 2011, 18, 141-149.	1.4	47
39	Speech categorization develops slowly through adolescence.. Developmental Psychology, 2018, 54, 1472-1491.	1.2	46
40	Pigeons acquire multiple categories in parallel via associative learning: A parallel to human word learning?. Cognition, 2015, 136, 99-122.	1.1	42
41	Four-month-old infantsâ€™ visual investigation of cats and dogs: Relations with pet experience and attentional strategy.. Developmental Psychology, 2014, 50, 402-413.	1.2	41
42	The past, present, and future of computational models of cognitive development. Cognitive Development, 2012, 27, 326-348.	0.7	39
43	The time-course of speaking rate compensation: effects of sentential rate and vowel length on voicing judgments. Language, Cognition and Neuroscience, 2015, 30, 529-543.	0.7	39
44	Evaluating the sources and functions of gradiency in phoneme categorization: An individual differences approach.. Journal of Experimental Psychology: Human Perception and Performance, 2017, 43, 1594-1611.	0.7	38
45	The Role of Single Talker Acoustic Variation in Early Word Learning. Language Learning and Development, 2015, 11, 66-79.	0.7	36
46	Sound identification in human auditory cortex: Differential contribution of local field potentials and high gamma power as revealed by direct intracranial recordings. Brain and Language, 2015, 148, 37-50.	0.8	35
47	Observational word learning: Beyond propose-but-verify and associative bean counting. Journal of Memory and Language, 2016, 87, 105-127.	1.1	34
48	Reconsidering the role of temporal order in spoken word recognition. Psychonomic Bulletin and Review, 2013, 20, 981-987.	1.4	32
49	What does it take to learn a word?. Wiley Interdisciplinary Reviews: Cognitive Science, 2017, 8, e1421.	1.4	32
50	Individual Differences in Language Ability Are Related to Variation in Word Recognition, Not Speech Perception: Evidence From Eye Movements. Journal of Speech, Language, and Hearing Research, 2014, 57, 1344-1362.	0.7	30
51	Detecting when timeseries differ: Using the Bootstrapped Differences of Timeseries (BDOTS) to analyze Visual World Paradigm data (and more). Journal of Memory and Language, 2018, 102, 55-67.	1.1	28
52	Continuous dynamics of color categorization. Psychonomic Bulletin and Review, 2010, 17, 348-354.	1.4	27
53	Too Much of a Good Thing: How Novelty Biases and Vocabulary Influence Known and Novel Referent Selection in 18â€Monthâ€Old Children and Associative Learning Models. Cognitive Science, 2018, 42, 463-493.	0.8	27
54	Development of Twitching in Sleeping Infant Mice Depends on Sensory Experience. Current Biology, 2015, 25, 656-662.	1.8	26

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55	Training alters the resolution of lexical interference: Evidence for plasticity of competition and inhibition.. Journal of Experimental Psychology: General, 2016, 145, 8-30.	1.5	25
56	A real-time mechanism underlying lexical deficits in developmental language disorder: Between-word inhibition. Cognition, 2019, 191, 104000.	1.1	24
57	Spatiotemporal organization of myoclonic twitching in sleeping human infants. Developmental Psychobiology, 2020, 62, 697-710.	0.9	24
58	Lexical effects on compensation for coarticulation: a tale of two systems?. Cognitive Science, 2003, 27, 801-805.	0.8	22
59	The Effect of Residual Acoustic Hearing and Adaptation to Uncertainty on Speech Perception in Cochlear Implant Users. Ear and Hearing, 2016, 37, e37-e51.	1.0	22
60	Automaticity of word recognition is a unique predictor of reading fluency in middle-school students.. Journal of Educational Psychology, 2019, 111, 314-330.	2.1	22
61	Detecting time-specific differences between temporal nonlinear curves: Analyzing data from the visual world paradigm. Statistical Methods in Medical Research, 2017, 26, 2708-2725.	0.7	21
62	How Do You Deal With Uncertainty? Cochlear Implant Users Differ in the Dynamics of Lexical Processing of Noncanonical Inputs. Ear and Hearing, 2019, 40, 961-980.	1.0	21
63	The development of voicing categories: A quantitative review of over 40Âyears of infant speech perception research. Psychonomic Bulletin and Review, 2014, 21, 884-906.	1.4	20
64	What Comes After /f/? Prediction in Speech Derives From Data-Explanatory Processes. Psychological Science, 2016, 27, 43-52.	1.8	20
65	Newly learned word forms are abstract and integrated immediately after acquisition. Psychonomic Bulletin and Review, 2016, 23, 491-499.	1.4	19
66	Temporal Responsiveness in Motherâ€“Child Dialogue: A Longitudinal Analysis of Children with Normal Hearing and Hearing Loss. Infancy, 2018, 23, 410-431.	0.9	18
67	Dynamic EEG analysis during language comprehension reveals interactive cascades between perceptual processing and sentential expectations. Brain and Language, 2020, 211, 104875.	0.8	18
68	Pre- and post-target cortical processes predict speech-in-noise performance. NeuroImage, 2021, 228, 117699.	2.1	18
69	Perceptual similarity affects the learning curve (but not necessarily learning).. Journal of Experimental Psychology: General, 2014, 143, 312-331.	1.5	17
70	Learning During Processing: Word Learning Doesn't Wait for Word Recognition to Finish. Cognitive Science, 2017, 41, 706-747.	0.8	17
71	What Are You Waiting For? Realâ€Time Integration of Cues for Fricatives Suggests Encapsulated Auditory Memory. Cognitive Science, 2019, 43, e12700.	0.8	16
72	On Leveraged Learning in Lexical Acquisition and Its Relationship to Acceleration. Cognitive Science, 2009, 33, 1503-1523.	0.8	15

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73	Seeing the World Through a Third Eye: Developmental Systems Theory Looks Beyond the Nativistâ€“Empiricist Debate. Child Development Perspectives, 2009, 3, 103-105.	2.1	14
74	Contingent categorisation in speech perception. Language, Cognition and Neuroscience, 2014, 29, 1070-1082.	0.7	13
75	Can you hear me yet? An intracranial investigation of speech and non-speech audiovisual interactions in human cortex. Language, Cognition and Neuroscience, 2016, 31, 284-302.	0.7	13
76	Core computational principles of language acquisition: can statistical learning do the job? Introduction to Special Section. Developmental Science, 2009, 12, 365-368.	1.3	12
77	Language at Three Timescales: The Role of Realâ€Time Processes in Language Development and Evolution. Topics in Cognitive Science, 2016, 8, 393-407.	1.1	12
78	The Slow Development of Real-Time Processing: Spoken-Word Recognition as a Crucible for New Thinking About Language Acquisition and Language Disorders. Current Directions in Psychological Science, 2022, 31, 305-315.	2.8	12
79	Antiphonal Responses to Loud Contact Calls Produced by Saguinus oedipus. International Journal of Primatology, 2004, 25, 465-475.	0.9	11
80	The pictures who shall not be named: Empirical support for benefits of preview in the Visual World Paradigm. Journal of Memory and Language, 2021, 121, 104279.	1.1	11
81	Idiosyncratic use of bottom-up and top-down information leads to differences in speech perception flexibility: Converging evidence from ERPs and eye-tracking. Brain and Language, 2021, 223, 105031.	0.8	11
82	Sometimes it is better to know less: How known words influence referent selection and retention in 18- to 24-month-old children. Journal of Experimental Child Psychology, 2020, 189, 104705.	0.7	10
83	Context Effects on Musical Chord Categorization: Different Forms of Topâ€Down Feedback in Speech and Music?. Cognitive Science, 2008, 32, 893-920.	0.8	9
84	Relative cue encoding in the context of sophisticated models of categorization: Separating information from categorization. Psychonomic Bulletin and Review, 2015, 22, 916-943.	1.4	9
85	Gradient activation of speech categories facilitates listenersâ€™ recovery from lexical garden paths, but not perception of speech-in-noise.. Journal of Experimental Psychology: Human Perception and Performance, 2021, 47, 578-595.	0.7	9
86	Within- and between-language competition in adult second language learners: implications for language proficiency. Language, Cognition and Neuroscience, 2022, 37, 165-181.	0.7	9
87	Cross-Situational Statistical Learning of New Words Despite Bilateral Hippocampal Damage and Severe Amnesia. Frontiers in Human Neuroscience, 2019, 13, 448.	1.0	8
88	Cross-linguistic perception of clearly spoken English tense and lax vowels based on auditory, visual, and auditory-visual information. Journal of Phonetics, 2020, 81, 100980.	0.6	8
89	Validation of the Iowa Test of Consonant Perception. Journal of the Acoustical Society of America, 2021, 150, 2131-2153.	0.5	7
90	Pushing the Envelope of Associative Learning. , 2013, , 49-80.		7

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91	The profile of real-time competition in spoken and written word recognition: More similar than different. Quarterly Journal of Experimental Psychology, 2021, , 174702182110568.	0.6	7
92	Adapting open science and preâ€registration to longitudinal research. Infant and Child Development, 2024, 33, .	0.9	7
93	Decoding the temporal dynamics of spoken word and nonword processing from EEG. NeuroImage, 2022, 260, 119457.	2.1	7
94	Listeners can anticipate future segments before they identify the current one. Attention, Perception, and Psychophysics, 2019, 81, 1147-1166.	0.7	6
95	Lexical processing depends on sublexical processing: Evidence from the visual world paradigm and aphasia. Attention, Perception, and Psychophysics, 2019, 81, 1047-1064.	0.7	6
96	The development of lexical competition in written- and spoken-word recognition. Quarterly Journal of Experimental Psychology, 2023, 76, 196-219.	0.6	6
97	Learning in rich networks involves both positive and negative associations.. Journal of Experimental Psychology: General, 2016, 145, 1062-1074.	1.5	5
98	Dynamic competition account of menâ€™s perceptions of womenâ€™s sexual interest. Cognition, 2018, 174, 43-54.	1.1	5
99	Symbolic flexibility during unsupervised word learning in children and adults. Journal of Experimental Child Psychology, 2018, 175, 17-36.	0.7	5
100	Cognitive and Physiological Measures of Listening Effort During Degraded Speech Perception: Relating Dual-Task and Pupillometry Paradigms. Journal of Speech, Language, and Hearing Research, 2021, 64, 3627-3652.	0.7	5
101	Similarity of referents influences the learning of phonological word forms: Evidence from concurrent word learning. Cognition, 2019, 190, 42-60.	1.1	4
102	Studentsâ€™ Perceptions of a Gamified Reading Assessment. Journal of Special Education Technology, 2020, 35, 191-203.	1.4	4
103	Automaticity as an independent trait in predicting reading outcomes in middle-school.. Developmental Psychology, 2021, 57, 361-375.	1.2	4
104	Tracking Menâ€™s Perceptions of Womenâ€™s Sexual Interest. Current Directions in Psychological Science, 2020, 29, 71-79.	2.8	3
105	Multiple components of statistical word learning are resource dependent: Evidence from a dual-task learning paradigm. Memory and Cognition, 2021, 49, 984-997.	0.9	3
106	Emergent Information-Level Coupling Between Perception and Production. , 2011, , .		3
107	Morpho-phonological regularities influence the dynamics of real-time word recognition: Evidence from artificial language learning. Laboratory Phonology, 2018, 9, 2.	0.3	3
108	Moo-cow! Mummy! More! How do children learn so many words?. Significance, 2007, 4, 159-163.	0.3	2

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109	Variability in languages, variability in learning?. Behavioral and Brain Sciences, 2009, 32, 459-460.	0.4	2
110	Nature, nurture or interacting developmental systems? Endophenotypes for learning systems bridge genes, language and development. Language, Cognition and Neuroscience, 2016, 31, 1093-1097.	0.7	2
111	No compelling evidence against feedback in spoken word recognition. Behavioral and Brain Sciences, 2000, 23, 348-349.	0.4	1
112	Field Tests of Learning Principles to Support Pedagogy: Overlap and Variability Jointly Affect Sound/Letter Acquisition in First Graders. Journal of Cognition and Development, 2019, 20, 222-252.	0.6	1
113	Simultaneous training on overlapping grapheme phoneme correspondences augments learning and retention. Journal of Experimental Child Psychology, 2020, 191, 104731.	0.7	1
114	It's not how many dimensions you have, it's what you do with them: Evidence from speech perception. Behavioral and Brain Sciences, 2005, 28, 31-31.	0.4	0
115	On invariance: Acoustic input meets listener expectations. , 2017, , 21-51.		0
116	Neural representations of speech: Decoding bottom-up acoustics and examining top-down effects using electroencephalography. Journal of the Acoustical Society of America, 2021, 150, A311-A311.	0.5	0