

William D Marslen-Wilson

List of Publications by Year in descending order

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146
papers

18,378
citations

13099

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154
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154
docs citations

154
times ranked

7539
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoding the Real-Time Neurobiological Properties of Incremental Semantic Interpretation. <i>Cerebral Cortex</i> , 2021, 31, 233-247.	2.9	6
2	Physical Activity Predicts Population-Level Age-Related Differences in Frontal White Matter. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 236-243.	3.6	22
3	Cognitive Diversity in a Healthy Aging Cohort: Cross-Domain Cognition in the Cam-CAN Project. <i>Journal of Aging and Health</i> , 2020, 32, 1029-1041.	1.7	15
4	Age-related reduction in motor adaptation: brain structural correlates and the role of explicit memory. <i>Neurobiology of Aging</i> , 2020, 90, 13-23.	3.1	42
5	Neural dynamics of semantic composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21318-21327.	7.1	42
6	Strong and specific associations between cardiovascular risk factors and white matter micro- and macrostructure in healthy aging. <i>Neurobiology of Aging</i> , 2019, 74, 46-55.	3.1	38
7	Balancing Prediction and Sensory Input in Speech Comprehension: The Spatiotemporal Dynamics of Word Recognition in Context. <i>Journal of Neuroscience</i> , 2019, 39, 519-527.	3.6	20
8	Entrainment to the CIECAM02 and CIELAB colour appearance models in the human cortex. <i>Vision Research</i> , 2018, 145, 1-10.	1.4	16
9	Editorial overview: The evolution of language as a neurobiological system. <i>Current Opinion in Behavioral Sciences</i> , 2018, 21, v-xii.	3.9	7
10	Dual neurobiological systems underlying language evolution: inferring the ancestral state. <i>Current Opinion in Behavioral Sciences</i> , 2018, 21, 176-181.	3.9	4
11	Syntactic Complexity and Frequency in the Neurocognitive Language System. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1605-1620.	2.3	10
12	Tonotopic representation of loudness in the human cortex. <i>Hearing Research</i> , 2017, 344, 244-254.	2.0	6
13	Conserved Sequence Processing in Primate Frontal Cortex. <i>Trends in Neurosciences</i> , 2017, 40, 72-82.	8.6	78
14	Domain-specific and Domain-general Processing in Left Perisylvian Cortex: Evidence from Russian. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 382-397.	2.3	11
15	Relating dynamic brain states to dynamic machine states: Human and machine solutions to the speech recognition problem. <i>PLoS Computational Biology</i> , 2017, 13, e1005617.	3.2	7
16	Representation of Instantaneous and Short-Term Loudness in the Human Cortex. <i>Frontiers in Neuroscience</i> , 2016, 10, 183.	2.8	20
17	Decompositional Representation of Morphological Complexity: Multivariate fMRI Evidence from Italian. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1878-1896.	2.3	18
18	Grammatical analysis as a distributed neurobiological function. <i>Human Brain Mapping</i> , 2015, 36, 1190-1201.	3.6	38

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19	Idiosyncratic responding during movie-watching predicted by age differences in attentional control. <i>Neurobiology of Aging</i> , 2015, 36, 3045-3055.	3.1	74
20	Tracking cortical entrainment in neural activity: auditory processes in human temporal cortex. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 5.	2.1	18
21	Brain Network Connectivity During Language Comprehension: Interacting Linguistic and Perceptual Subsystems. <i>Cerebral Cortex</i> , 2015, 25, 3962-3976.	2.9	25
22	Structure, form, and meaning in the mental lexicon: evidence from Arabic. <i>Language, Cognition and Neuroscience</i> , 2015, 30, 955-992.	1.2	55
23	Real-time Functional Architecture of Visual Word Recognition. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 246-265.	2.3	35
24	Auditory sequence processing reveals evolutionarily conserved regions of frontal cortex in macaques and humans. <i>Nature Communications</i> , 2015, 6, 8901.	12.8	99
25	Mapping tonotopic organization in human temporal cortex: representational similarity analysis in EMEG source space. <i>Frontiers in Neuroscience</i> , 2014, 8, 368.	2.8	23
26	A Toolbox for Representational Similarity Analysis. <i>PLoS Computational Biology</i> , 2014, 10, e1003553.	3.2	715
27	The Cambridge Centre for Ageing and Neuroscience (Cam-CAN) study protocol: a cross-sectional, lifespan, multidisciplinary examination of healthy cognitive ageing. <i>BMC Neurology</i> , 2014, 14, 204.	1.8	430
28	Optimally Efficient Neural Systems for Processing Spoken Language. <i>Cerebral Cortex</i> , 2014, 24, 908-918.	2.9	43
29	Cross-linguistic parallels in processing derivational morphology: Evidence from Polish. <i>Brain and Language</i> , 2013, 127, 533-538.	1.6	25
30	Morphological structure in the Arabic mental lexicon: Parallels between standard and dialectal Arabic. <i>Language and Cognitive Processes</i> , 2013, 28, 1453-1473.	2.2	39
31	Auditory Artificial Grammar Learning in Macaque and Marmoset Monkeys. <i>Journal of Neuroscience</i> , 2013, 33, 18825-18835.	3.6	121
32	Functional Organization of the Neural Language System: Dorsal and Ventral Pathways Are Critical for Syntax. <i>Cerebral Cortex</i> , 2013, 23, 139-147.	2.9	97
33	Neurobiological Systems for Lexical Representation and Analysis in English. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1678-1691.	2.3	49
34	Neural dynamics of inflectional and derivational processing in spoken word comprehension: laterality and automaticity. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 759.	2.0	20
35	Neurocognitive mechanisms for processing inflectional and derivational complexity in English. <i>Psihologija</i> , 2013, 46, 439-454.	0.6	3
36	Spatiotemporal Searchlight Representational Similarity Analysis in EMEG Source Space. , 2012, , .		31

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37	Neurocognitive dimensions of lexical complexity in Polish. <i>Brain and Language</i> , 2012, 121, 219-225.	1.6	15
38	Perceptual and response components in repetition priming of spoken words and pseudowords. <i>Quarterly Journal of Experimental Psychology</i> , 2011, 64, 96-121.	1.1	12
39	Left inferior frontal cortex and syntax: function, structure and behaviour in patients with left hemisphere damage. <i>Brain</i> , 2011, 134, 415-431.	7.6	207
40	The Interaction of Lexical Semantics and Cohort Competition in Spoken Word Recognition: An fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3778-3790.	2.3	48
41	Dissociating Linguistic and Task-related Activity in the Left Inferior Frontal Gyrus. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 404-413.	2.3	39
42	Is left fronto-temporal connectivity essential for syntax? Effective connectivity, tractography and performance in left-hemisphere damaged patients. <i>NeuroImage</i> , 2011, 58, 656-664.	4.2	72
43	Productivity and priming: Morphemic decomposition in Arabic. <i>Language and Cognitive Processes</i> , 2011, 26, 624-652.	2.2	75
44	Orthographic and semantic opacity in masked and delayed priming: Evidence from Greek. <i>Language and Cognitive Processes</i> , 2011, 26, 530-557.	2.2	9
45	Aralex: A lexical database for Modern Standard Arabic. <i>Behavior Research Methods</i> , 2010, 42, 481-487.	4.0	115
46	Neurocognitive Contexts for Morphological Complexity: Dissociating Inflection and Derivation. <i>Language and Linguistics Compass</i> , 2010, 4, 1063-1073.	2.3	45
47	Derivational morphology and base morpheme frequency. <i>Journal of Memory and Language</i> , 2010, 63, 117-130.	2.1	61
48	Preserving Syntactic Processing across the Adult Life Span: The Modulation of the Frontotemporal Language System in the Context of Age-Related Atrophy. <i>Cerebral Cortex</i> , 2010, 20, 352-364.	2.9	185
49	Bihemispheric foundations for human speech comprehension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17439-17444.	7.1	139
50	Reorganization of syntactic processing following left-hemisphere brain damage: does right-hemisphere activity preserve function?. <i>Brain</i> , 2010, 133, 3396-3408.	7.6	75
51	Arabic Morphology in the Neural Language System. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 998-1010.	2.3	49
52	Can I have a quick word? Early electrophysiological manifestations of psycholinguistic processes revealed by event-related regression analysis of the EEG. <i>Biological Psychology</i> , 2009, 80, 64-74.	2.2	73
53	Pseudohomophone effects in processing Chinese compound words. <i>Language and Cognitive Processes</i> , 2009, 24, 1009-1038.	2.2	26
54	The processing of English regular inflections: Phonological cues to morphological structure. <i>Cognition</i> , 2008, 109, 1-17.	2.2	41

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55	Introduction. The perception of speech: from sound to meaning. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 917-921.	4.0	21
56	Early decomposition in visual word recognition: Dissociating morphology, form, and meaning. <i>Language and Cognitive Processes</i> , 2008, 23, 394-421.	2.2	131
57	Fronto-temporal brain systems supporting spoken language comprehension. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1037-1054.	4.0	158
58	Morphology, language and the brain: the decompositional substrate for language comprehension. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 823-836.	4.0	171
59	Differentiating Morphology, Form, and Meaning: Neural Correlates of Morphological Complexity. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1464-1475.	2.3	83
60	Neural Response Suppression Predicts Repetition Priming of Spoken Words and Pseudowords. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 1237-1252.	2.3	79
61	The time course of visual word recognition as revealed by linear regression analysis of ERP data. <i>NeuroImage</i> , 2006, 30, 1383-1400.	4.2	482
62	Locating the initial stages of speechâ€“sound processing in human temporal cortex. <i>NeuroImage</i> , 2006, 31, 1284-1296.	4.2	168
63	Tracking speech comprehension in space and time. <i>NeuroImage</i> , 2006, 31, 1297-1305.	4.2	76
64	New evidence for morphological errors in deep dyslexiaâ€“†. <i>Brain and Language</i> , 2006, 97, 189-199.	1.6	24
65	<i>Speech and Language</i> . , 2006, , 105-116.		0
66	Dissociating neuro-cognitive component processes: voxel-based correlational methodology. <i>Neuropsychologia</i> , 2005, 43, 771-778.	1.6	96
67	Temporal and frontal systems in speech comprehension: An fMRI study of past tense processing. <i>Neuropsychologia</i> , 2005, 43, 1963-1974.	1.6	137
68	Getting to the Meaning of the Regular Past Tense: Evidence from Neuropsychology. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 1087-1097.	2.3	32
69	The basal ganglia and rule-governed language use: evidence from vascular and degenerative conditions. <i>Brain</i> , 2005, 128, 584-596.	7.6	161
70	Discontinuous morphology in time: Incremental masked priming in Arabic. <i>Language and Cognitive Processes</i> , 2005, 20, 207-260.	2.2	129
71	Differentiating lexical form, meaning, and structure in the neural language system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8375-8380.	7.1	73
72	Cingulate control of fronto-temporal integration reflects linguistic demands: A three-way interaction in functional connectivity. <i>NeuroImage</i> , 2005, 28, 115-121.	4.2	40

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73	Allomorphic variation in Arabic: Implications for lexical processing and representation. <i>Brain and Language</i> , 2004, 90, 106-116.	1.6	93
74	Neural responses to morphological, syntactic, and semantic properties of single words: An fMRI study. <i>Brain and Language</i> , 2004, 89, 439-449.	1.6	117
75	Abstract morphemes and lexical representation: the CV-Skeleton in Arabic. <i>Cognition</i> , 2004, 92, 271-303.	2.2	79
76	Modelling the effects of semantic ambiguity in word recognition. <i>Cognitive Science</i> , 2004, 28, 89-104.	1.7	144
77	Regularity and irregularity in French verbal inflection. <i>Language and Cognitive Processes</i> , 2004, 19, 561-580.	2.2	49
78	Deficits for Semantics and the Irregular Past Tense: A Causal Relationship?. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 1159-1172.	2.3	38
79	Modelling the effects of semantic ambiguity in word recognition. <i>Cognitive Science</i> , 2004, 28, 89-104.	1.7	46
80	Capturing underlying differentiation in the human language system. <i>Trends in Cognitive Sciences</i> , 2003, 7, 62-63.	7.8	17
81	Morphology and frequency: Contrasting methodologies. , 2003, , 89-124.		11
82	Dissociations in Processing Past Tense Morphology: Neuropathology and Behavioral Studies. <i>Journal of Cognitive Neuroscience</i> , 2002, 14, 79-94.	2.3	134
83	Leading up the lexical garden path: Segmentation and ambiguity in spoken word recognition.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002, 28, 218-244.	0.9	164
84	Phonology and neuropsychology of the English past tense. <i>Neuropsychologia</i> , 2002, 40, 1154-1166.	1.6	97
85	Representation and competition in the perception of spoken words. <i>Cognitive Psychology</i> , 2002, 45, 220-266.	2.2	141
86	Making Sense of Semantic Ambiguity: Semantic Competition in Lexical Access. <i>Journal of Memory and Language</i> , 2002, 46, 245-266.	2.1	361
87	Lexical Ambiguity Resolution and Spoken Word Recognition: Bridging the Gap. <i>Journal of Memory and Language</i> , 2001, 44, 325-349.	2.1	89
88	Morphological units in the Arabic mental lexicon. <i>Cognition</i> , 2001, 81, 65-92.	2.2	113
89	Access to lexical representations: Cross-linguistic issues. <i>Language and Cognitive Processes</i> , 2001, 16, 699-708.	2.2	25
90	Does the Medial Temporal Lobe Bind Phonological Memories?. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 593-609.	2.3	7

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91	The relative time course of semantic and phonological activation in reading Chinese.. Journal of Experimental Psychology: Learning Memory and Cognition, 2000, 26, 1245-1265.	0.9	74
92	Morphological priming: Dissociation of phonological, semantic, and morphological factors. Memory and Cognition, 2000, 28, 1277-1288.	1.6	143
93	What phonetic decision making does not tell us about lexical architecture. Behavioral and Brain Sciences, 2000, 23, 337-338.	0.7	1
94	Morphological and semantic effects in visual word recognition: A time-course study. Language and Cognitive Processes, 2000, 15, 507-537.	2.2	399
95	The relative time course of semantic and phonological activation in reading Chinese.. Journal of Experimental Psychology: Learning Memory and Cognition, 2000, 26, 1245-1265.	0.9	50
96	An Experimental and Computational Exploration of Developmental Patterns in Lexical Access and Representation. , 2000, , 211-222.		0
97	Abstractness, Allomorphy, and Lexical Architecture. Language and Cognitive Processes, 1999, 14, 321-352.	2.2	44
98	Morphology, Orthography, and Phonology Reading Chinese Compound Words. Language and Cognitive Processes, 1999, 14, 525-565.	2.2	166
99	Ambiguity, Competition, and Blending in Spoken Word Recognition. Cognitive Science, 1999, 23, 439-462.	1.7	76
100	Phonology, Orthography, and Semantic Activation in Reading Chinese. Journal of Memory and Language, 1999, 41, 579-606.	2.1	110
101	The nature of sublexical processing in reading Chinese characters.. Journal of Experimental Psychology: Learning Memory and Cognition, 1999, 25, 819-837.	0.9	80
102	Rules, representations, and the English past tense. Trends in Cognitive Sciences, 1998, 2, 428-435.	7.8	162
103	Mechanisms of phonological inference in speech perception.. Journal of Experimental Psychology: Human Perception and Performance, 1998, 24, 380-396.	0.9	122
104	Mechanisms of phonological inference in speech perception.. Journal of Experimental Psychology: Human Perception and Performance, 1998, 24, 380-396.	0.9	81
105	Integrating Form and Meaning: A Distributed Model of Speech Perception. Language and Cognitive Processes, 1997, 12, 613-656.	2.2	447
106	Universals in Morphological Representation: Evidence from Italian. Language and Cognitive Processes, 1997, 12, 1-47.	2.2	127
107	Dissociating types of mental computation. Nature, 1997, 387, 592-594.	27.8	258
108	Morphology, modality, and lexical architecture. Morphology, 1997, , 117-134.	0.3	12

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109	Phonological variation and inference in lexical access.. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 144-158.	0.9	165
110	Perceptual distance and competition in lexical access.. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 1376-1392.	0.9	146
111	Phonological variation and inference in lexical access.. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 144-158.	0.9	109
112	Accessing different types of lexical semantic information: Evidence from priming.. Journal of Experimental Psychology: Learning Memory and Cognition, 1995, 21, 863-883.	0.9	189
113	A Connectionist Model of Phonological Representation in Speech Perception. Cognitive Science, 1995, 19, 407-439.	1.7	45
114	Phonological variation in lexical access: Abstractness, inference and english place assimilation. Language and Cognitive Processes, 1995, 10, 285-308.	2.2	66
115	Morphological Structure in the Chinese Mental Lexicon. Language and Cognitive Processes, 1995, 10, 545-600.	2.2	94
116	Levels of perceptual representation and process in lexical access: Words, phonemes, and features.. Psychological Review, 1994, 101, 653-675.	3.8	322
117	Morphology and meaning in the English mental lexicon.. Psychological Review, 1994, 101, 3-33.	3.8	796
118	Words, morphemes and syllables in the Chinese mental lexicon. Language and Cognitive Processes, 1994, 9, 393-422.	2.2	113
119	Access to word meanings during spoken language comprehension: Effects of sentential semantic context.. Journal of Experimental Psychology: Learning Memory and Cognition, 1993, 19, 1254-1276.	0.9	33
120	The mental representation of lexical form: A phonological approach to the recognition lexicon. Cognition, 1991, 38, 245-294.	2.2	302
121	Processing distinctions between stems and affixes: Evidence from a non-fluent aphasic patient. Cognition, 1990, 36, 129-153.	2.2	17
122	Accessing spoken words: The importance of word onsets.. Journal of Experimental Psychology: Human Perception and Performance, 1989, 15, 576-585.	0.9	313
123	Cues to lexical choice: Discriminating place and voice. Perception & Psychophysics, 1988, 43, 21-30.	2.3	62
124	Continuous and discontinuous access in spoken word-recognition: The role of derivational prefixes. Journal of Memory and Language, 1988, 27, 368-381.	2.1	45
125	Lexical representations in spoken language comprehension. Language and Cognitive Processes, 1988, 3, 1-16.	2.2	68
126	Functional parallelism in spoken word-recognition. Cognition, 1987, 25, 71-102.	2.2	1,501

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127	Continuous uptake of acoustic cues in spoken word recognition. <i>Perception & Psychophysics</i> , 1987, 41, 262-275.	2.3	150
128	Gekreuzte und geschachtelte Abhängigkeiten im Deutschen und Niederländischen: Eine psycholinguistische Studie. , 1987, , 7-23.		0
129	The effects of context on the recognition of polymorphemic words. <i>Journal of Memory and Language</i> , 1986, 25, 741-752.	2.1	34
130	Crossed and nested dependencies in German and Dutch: A psycholinguistic study. <i>Language and Cognitive Processes</i> , 1986, 1, 249-262.	2.2	157
131	Speech shadowing and speech comprehension. <i>Speech Communication</i> , 1985, 4, 55-73.	2.8	121
132	Reply to Cowart. <i>Cognition</i> , 1983, 15, 227-235.	2.2	8
133	The resolution of discourse anaphors: Some on-line studies. <i>Text & Talk</i> , 1982, 2, .	0.3	4
134	PROCESSING LITTERANCES IN DISCOURSE CONTEXTS: ON-LINE RESOLUTION OF ANAPHORS. <i>Journal of Semantics</i> , 1982, 1, 297-314.	1.5	25
135	Conjectures and refutations: A reply to Norris. <i>Cognition</i> , 1982, 11, 103-107.	2.2	13
136	Children's processing of spoken language. <i>Journal of Verbal Learning and Verbal Behavior</i> , 1981, 20, 400-416.	3.7	75
137	The temporal structure of spoken language understanding. <i>Cognition</i> , 1980, 8, 1-71.	2.2	1,223
138	Speech Understanding as a Psychological Process. , 1980, , 39-67.		40
139	Processing interactions and lexical access during word recognition in continuous speech. <i>Cognitive Psychology</i> , 1978, 10, 29-63.	2.2	1,277
140	Some developmental aspects of sentence processing and memory. <i>Journal of Child Language</i> , 1978, 5, 113-129.	1.2	24
141	The on-line effects of semantic context on syntactic processing. <i>Journal of Verbal Learning and Verbal Behavior</i> , 1977, 16, 683-692.	3.7	230
142	Memory for remote events in anterograde amnesia: Recognition of public figures from newsphotographs. <i>Neuropsychologia</i> , 1975, 13, 353-364.	1.6	284
143	Processing structure of sentence perception. <i>Nature</i> , 1975, 257, 784-786.	27.8	132
144	Linguistic Structure and Speech Shadowing at Very Short Latencies. <i>Nature</i> , 1973, 244, 522-523.	27.8	407

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145	Morphological Processes in language Comprehension. , 0, , 175-194.		42
146	Frequency effects in processing inflected Dutch nouns: A distributed connectionist account. , 0, , .		12