William D Marslen-Wilson

List of Publications by Year
in descending order

146 papers	18,378 citations	13068 68 h-index	13727 129 g-index
154 all docs	154 docs citations	154 times ranked	7539 citing authors

#	Article	IF	Citations
1	Decoding the Real-Time Neurobiological Properties of Incremental Semantic Interpretation. Cerebral Cortex, 2021, 31, 233-247.	1.6	6
2	Physical Activity Predicts Population-Level Age-Related Differences in Frontal White Matter. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 236-243.	1.7	22
3	Cognitive Diversity in a Healthy Aging Cohort: Cross-Domain Cognition in the Cam-CAN Project. Journal of Aging and Health, 2020, 32, 1029-1041.	0.9	15
4	Age-related reduction in motor adaptation: brain structural correlates and the role of explicit memory. Neurobiology of Aging, 2020, 90, 13-23.	1.5	42
5	Neural dynamics of semantic composition. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21318-21327.	3.3	42
6	Strong and specific associations between cardiovascular risk factors and white matter micro- and macrostructure in healthy aging. Neurobiology of Aging, 2019, 74, 46-55.	1.5	38
7	Balancing Prediction and Sensory Input in Speech Comprehension: The Spatiotemporal Dynamics of Word Recognition in Context. Journal of Neuroscience, 2019, 39, 519-527.	1.7	20
8	Entrainment to the CIECAM02 and CIELAB colour appearance models in the human cortex. Vision Research, 2018, 145, 1-10.	0.7	16
9	Editorial overview: The evolution of language as a neurobiological system. Current Opinion in Behavioral Sciences, 2018, 21, v-xii.	2.0	7
10	Dual neurobiological systems underlying language evolution: inferring the ancestral state. Current Opinion in Behavioral Sciences, 2018, 21, 176-181.	2.0	4
11	Syntactic Complexity and Frequency in the Neurocognitive Language System. Journal of Cognitive Neuroscience, 2017, 29, 1605-1620.	1.1	10
12	Tonotopic representation of loudness in the human cortex. Hearing Research, 2017, 344, 244-254.	0.9	6
13	Conserved Sequence Processing in Primate Frontal Cortex. Trends in Neurosciences, 2017, 40, 72-82.	4.2	78
14	Domain-specific and Domain-general Processing in Left Perisylvian Cortex: Evidence from Russian. Journal of Cognitive Neuroscience, 2017, 29, 382-397.	1.1	11
15	Relating dynamic brain states to dynamic machine states: Human and machine solutions to the speech recognition problem. PLoS Computational Biology, 2017, 13, e1005617.	1.5	7
16	Representation of Instantaneous and Short-Term Loudness in the Human Cortex. Frontiers in Neuroscience, 2016, 10, 183.	1.4	20
17	Decompositional Representation of Morphological Complexity: Multivariate fMRI Evidence from Italian. Journal of Cognitive Neuroscience, 2016, 28, 1878-1896.	1.1	18
18	Grammatical analysis as a distributed neurobiological function. Human Brain Mapping, 2015, 36, 1190-1201.	1.9	38

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19	Idiosyncratic responding during movie-watching predicted by age differences in attentional control. Neurobiology of Aging, 2015, 36, 3045-3055.	1.5	74
20	Tracking cortical entrainment in neural activity: auditory processes in human temporal cortex. Frontiers in Computational Neuroscience, 2015, 9, 5.	1.2	18
21	Brain Network Connectivity During Language Comprehension: Interacting Linguistic and Perceptual Subsystems. Cerebral Cortex, 2015, 25, 3962-3976.	1.6	25
22	Structure, form, and meaning in the mental lexicon: evidence from Arabic. Language, Cognition and Neuroscience, 2015, 30, 955-992.	0.7	55
23	Real-time Functional Architecture of Visual Word Recognition. Journal of Cognitive Neuroscience, 2015, 27, 246-265.	1.1	35
24	Auditory sequence processing reveals evolutionarily conserved regions of frontal cortex in macaques and humans. Nature Communications, 2015, 6, 8901.	5.8	99
25	Mapping tonotopic organization in human temporal cortex: representational similarity analysis in EMEG source space. Frontiers in Neuroscience, 2014, 8, 368.	1.4	23
26	A Toolbox for Representational Similarity Analysis. PLoS Computational Biology, 2014, 10, e1003553.	1.5	715
27	The Cambridge Centre for Ageing and Neuroscience (Cam-CAN) study protocol: a cross-sectional, lifespan, multidisciplinary examination of healthy cognitive ageing. BMC Neurology, 2014, 14, 204.	0.8	430
28	Optimally Efficient Neural Systems for Processing Spoken Language. Cerebral Cortex, 2014, 24, 908-918.	1.6	43
29	Cross-linguistic parallels in processing derivational morphology: Evidence from Polish. Brain and Language, 2013, 127, 533-538.	0.8	25
30	Morphological structure in the Arabic mental lexicon: Parallels between standard and dialectal Arabic. Language and Cognitive Processes, 2013, 28, 1453-1473.	2.3	39
31	Auditory Artificial Grammar Learning in Macaque and Marmoset Monkeys. Journal of Neuroscience, 2013, 33, 18825-18835.	1.7	121
32	Functional Organization of the Neural Language System: Dorsal and Ventral Pathways Are Critical for Syntax. Cerebral Cortex, 2013, 23, 139-147.	1.6	97
33	Neurobiological Systems for Lexical Representation and Analysis in English. Journal of Cognitive Neuroscience, 2013, 25, 1678-1691.	1.1	49
34	Neural dynamics of inflectional and derivational processing in spoken word comprehension: laterality and automaticity. Frontiers in Human Neuroscience, 2013, 7, 759.	1.0	20
35	Neurocognitive mechanisms for processing inflectional and derivational complexity in English. Psihologija, 2013, 46, 439-454.	0.2	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. Brain and Language, 2012, 121, 219-225.	0.8	15
38	Perceptual and response components in repetition priming of spoken words and pseudowords. Quarterly Journal of Experimental Psychology, 2011, 64, 96-121.	0.6	12
39	Left inferior frontal cortex and syntax: function, structure and behaviour in patients with left hemisphere damage. Brain, 2011, 134, 415-431.	3.7	207
40	The Interaction of Lexical Semantics and Cohort Competition in Spoken Word Recognition: An fMRI Study. Journal of Cognitive Neuroscience, 2011, 23, 3778-3790.	1.1	48
41	Dissociating Linguistic and Task-related Activity in the Left Inferior Frontal Gyrus. Journal of Cognitive Neuroscience, 2011, 23, 404-413.	1.1	39
42	Is left fronto-temporal connectivity essential for syntax? Effective connectivity, tractography and performance in left-hemisphere damaged patients. NeuroImage, 2011, 58, 656-664.	2.1	72
43	Productivity and priming: Morphemic decomposition in Arabic. Language and Cognitive Processes, 2011, 26, 624-652.	2.3	75
44	Orthographic and semantic opacity in masked and delayed priming: Evidence from Greek. Language and Cognitive Processes, 2011, 26, 530-557.	2.3	9
45	Aralex: A lexical database for Modern Standard Arabic. Behavior Research Methods, 2010, 42, 481-487.	2.3	115
46	Neurocognitive Contexts for Morphological Complexity: Dissociating Inflection and Derivation. Language and Linguistics Compass, 2010, 4, 1063-1073.	1.3	45
47	Derivational morphology and base morpheme frequency. Journal of Memory and Language, 2010, 63, 117-130.	1.1	61
48	Preserving Syntactic Processing across the Adult Life Span: The Modulation of the Frontotemporal Language System in the Context of Age-Related Atrophy. Cerebral Cortex, 2010, 20, 352-364.	1.6	185
49	Bihemispheric foundations for human speech comprehension. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17439-17444.	3.3	139
50	Reorganization of syntactic processing following left-hemisphere brain damage: does right-hemisphere activity preserve function?. Brain, 2010, 133, 3396-3408.	3.7	75
51	Arabic Morphology in the Neural Language System. Journal of Cognitive Neuroscience, 2010, 22, 998-1010.	1.1	49
52	Can I have a quick word? Early electrophysiological manifestations of psycholinguistic processes revealed by event-related regression analysis of the EEG. Biological Psychology, 2009, 80, 64-74.	1.1	73
53	Pseudohomophone effects in processing Chinese compound words. Language and Cognitive Processes, 2009, 24, 1009-1038.	2.3	26
54	The processing of English regular inflections: Phonological cues to morphological structure. Cognition, 2008, 109, 1-17.	1.1	41

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55	Introduction. The perception of speech: from sound to meaning. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 917-921.	1.8	21
56	Early decomposition in visual word recognition: Dissociating morphology, form, and meaning. Language and Cognitive Processes, 2008, 23, 394-421.	2.3	131
57	Fronto-temporal brain systems supporting spoken language comprehension. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1037-1054.	1.8	158
58	Morphology, language and the brain: the decompositional substrate for language comprehension. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 823-836.	1.8	171
59	Differentiating Morphology, Form, and Meaning: Neural Correlates of Morphological Complexity. Journal of Cognitive Neuroscience, 2007, 19, 1464-1475.	1.1	83
60	Neural Response Suppression Predicts Repetition Priming of Spoken Words and Pseudowords. Journal of Cognitive Neuroscience, 2006, 18, 1237-1252.	1.1	79
61	The time course of visual word recognition as revealed by linear regression analysis of ERP data. NeuroImage, 2006, 30, 1383-1400.	2.1	482
62	Locating the initial stages of speechâ€“sound processing in human temporal cortex. NeuroImage, 2006, 31, 1284-1296.	2.1	168
63	Tracking speech comprehension in space and time. NeuroImage, 2006, 31, 1297-1305.	2.1	76
64	New evidence for morphological errors in deep dyslexiaâ˜†. Brain and Language, 2006, 97, 189-199.	0.8	24
65	Speech and Language. , 2006, , 105-116.		0
66	Dissociating neuro-cognitive component processes: voxel-based correlational methodology. Neuropsychologia, 2005, 43, 771-778.	0.7	96
67	Temporal and frontal systems in speech comprehension: An fMRI study of past tense processing. Neuropsychologia, 2005, 43, 1963-1974.	0.7	137
68	Getting to the Meaning of the Regular Past Tense: Evidence from Neuropsychology. Journal of Cognitive Neuroscience, 2005, 17, 1087-1097.	1.1	32
69	The basal ganglia and rule-governed language use: evidence from vascular and degenerative conditions. Brain, 2005, 128, 584-596.	3.7	161
70	Discontinuous morphology in time: Incremental masked priming in Arabic. Language and Cognitive Processes, 2005, 20, 207-260.	2.3	129
71	Differentiating lexical form, meaning, and structure in the neural language system. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8375-8380.	3.3	73
72	Cingulate control of fronto-temporal integration reflects linguistic demands: A three-way interaction in functional connectivity. NeuroImage, 2005, 28, 115-121.	2.1	40

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73	Allomorphic variation in Arabic: Implications for lexical processing and representation. Brain and Language, 2004, 90, 106-116.	0.8	93
74	Neural responses to morphological, syntactic, and semantic properties of single words: An fMRI studyâ˜†. Brain and Language, 2004, 89, 439-449.	0.8	117
75	Abstract morphemes and lexical representation: the CV-Skeleton in Arabic. Cognition, 2004, 92, 271-303.	1.1	79
76	Modelling the effects of semantic ambiguity in word recognition. Cognitive Science, 2004, 28, 89-104.	0.8	144
77	Regularity and irregularity in Frenchverbal inflection. Language and Cognitive Processes, 2004, 19, 561-580.	2.3	49
78	Deficits for Semantics and the Irregular Past Tense: A Causal Relationship?. Journal of Cognitive Neuroscience, 2004, 16, 1159-1172.	1.1	38
79	Modelling the effects of semantic ambiguity in word recognition. Cognitive Science, 2004, 28, 89-104.	0.8	46
80	Capturing underlying differentiation in the human language system. Trends in Cognitive Sciences, 2003, 7, 62-63.	4.0	17
81	Morphology and frequency: Contrasting methodologies. , 2003, , 89-124.		11
82	Dissociations in Processing Past Tense Morphology: Neuropathology and Behavioral Studies. Journal of Cognitive Neuroscience, 2002, 14, 79-94.	1.1	134
83	Leading up the lexical garden path: Segmentation and ambiguity in spoken word recognition.. Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 218-244.	0.7	164
84	Phonology and neuropsychology of the English past tense. Neuropsychologia, 2002, 40, 1154-1166.	0.7	97
85	Representation and competition in the perception of spoken words. Cognitive Psychology, 2002, 45, 220-266.	0.9	141
86	Making Sense of Semantic Ambiguity: Semantic Competition in Lexical Access. Journal of Memory and Language, 2002, 46, 245-266.	1.1	361
87	Lexical Ambiguity Resolution and Spoken Word Recognition: Bridging the Gap. Journal of Memory and Language, 2001, 44, 325-349.	1.1	89
88	Morphological units in the Arabic mental lexicon. Cognition, 2001, 81, 65-92.	1.1	113
89	Access to lexical representations: Cross-linguistic issues. Language and Cognitive Processes, 2001, 16, 699-708.	2.3	25
90	Does the Medial Temporal Lobe Bind Phonological Memories?. Journal of Cognitive Neuroscience, 2001, 13, 593-609.	1.1	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.	0.7	74
92	Morphological priming: Dissociation of phonological, semantic, and morphological factors. Memory and Cognition, 2000, 28, 1277-1288.	0.9	143
93	What phonetic decision making does not tell us about lexical architecture. Behavioral and Brain Sciences, 2000, 23, 337-338.	0.4	1
94	Morphological and semantic effects in visual word recognition: A time-course study. Language and Cognitive Processes, 2000, 15, 507-537.	2.3	399
95	The relative time course of semantic and phonological activation in reading Chinese. Journal of Experimental Psychology: Learning Memory and Cognition, 2000, 26, 1245-65.	0.7	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.	2.3	44
98	Morphology, Orthography, and Phonology Reading Chinese Compound Words. Language and Cognitive Processes, 1999, 14, 525-565.	2.3	166
99	Ambiguity, Competition, and Blending in Spoken Word Recognition. Cognitive Science, 1999, 23, 439-462.	0.8	76
100	Phonology, Orthography, and Semantic Activation in Reading Chinese. Journal of Memory and Language, 1999, 41, 579-606.	1.1	110
101	The nature of sublexical processing in reading Chinese characters.. Journal of Experimental Psychology: Learning Memory and Cognition, 1999, 25, 819-837.	0.7	80
102	Rules, representations, and the English past tense. Trends in Cognitive Sciences, 1998, 2, 428-435.	4.0	162
103	Mechanisms of phonological inference in speech perception.. Journal of Experimental Psychology: Human Perception and Performance, 1998, 24, 380-396.	0.7	122
104	Mechanisms of phonological inference in speech perception. Journal of Experimental Psychology: Human Perception and Performance, 1998, 24, 380-96.	0.7	81
105	Integrating Form and Meaning: A Distributed Model of Speech Perception. Language and Cognitive Processes, 1997, 12, 613-656.	2.3	447
106	Universals in Morphological Representation: Evidence from Italian. Language and Cognitive Processes, 1997, 12, 1-47.	2.3	127
107	Dissociating types of mental computation. Nature, 1997, 387, 592-594.	13.7	258
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109	Phonological variation and inference in lexical access.. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 144-158.	0.7	165
110	Perceptual distance and competition in lexical access.. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 1376-1392.	0.7	146
111	Phonological variation and inference in lexical access. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 144-58.	0.7	109
112	Accessing different types of lexical semantic information: Evidence from priming.. Journal of Experimental Psychology: Learning Memory and Cognition, 1995, 21, 863-883.	0.7	189
113	A Connectionist Model of Phonological Representation in Speech Perception. Cognitive Science, 1995, 19, 407-439.	0.8	45
114	Phonological variation in lexical access: Abstractness, inference and english place assimilation. Language and Cognitive Processes, 1995, 10, 285-308.	2.3	66
115	Morphological Structure in the Chinese Mental Lexicon. Language and Cognitive Processes, 1995, 10, 545-600.	2.3	94
116	Levels of perceptual representation and process in lexical access: Words, phonemes, and features.. Psychological Review, 1994, 101, 653-675.	2.7	322
117	Morphology and meaning in the English mental lexicon.. Psychological Review, 1994, 101, 3-33.	2.7	796
118	Words, morphemes and syllables in the Chinese mental lexicon. Language and Cognitive Processes, 1994, 9, 393-422.	2.3	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.	0.7	33
120	The mental representation of lexical form: A phonological approach to the recognition lexicon. Cognition, 1991, 38, 245-294.	1.1	302
121	Processing distinctions between stems and affixes: Evidence from a non-fluent aphasic patient. Cognition, 1990, 36, 129-153.	1.1	17
122	Accessing spoken words: The importance of word onsets.. Journal of Experimental Psychology: Human Perception and Performance, 1989, 15, 576-585.	0.7	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.	1.1	45
125	Lexical representations in spoken language comprehension. Language and Cognitive Processes, 1988, 3, 1-16.	2.3	68
126	Functional parallelism in spoken word-recognition. Cognition, 1987, 25, 71-102.	1.1	1,501

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127	Continuous uptake of acoustic cues in spoken word recognition. Perception & Psychophysics, 1987, 41, 262-275.	2.3	150
128	Gekreuzte und geschachtelte AbhÃngigkeiten im Deutschen und NiederlÃndischen: Eine psycholinguistische Studie. , 1987, , 7-23.		0
129	The effects of context on the recognition of polymorphemic words. Journal of Memory and Language, 1986, 25, 741-752.	1.1	34
130	Crossed and nested dependencies in German and Dutch: A psycholinguistic study. Language and Cognitive Processes, 1986, 1, 249-262.	2.3	157
131	Speech shadowing and speech comprehension. Speech Communication, 1985, 4, 55-73.	1.6	121
132	Reply to Cowart. Cognition, 1983, 15, 227-235.	1.1	8
133	The resolution of discourse anaphors: Some on-line studies. Text & Talk, 1982, 2, .	0.3	4
134	PROCESSING UTTERANCES IN DISCOURSE CONTEXTS: ON-LINE RESOLUTION OF ANAPHORS. Journal of Semantics, 1982, 1, 297-314.	0.6	25
135	Conjectures and refutations: A reply to Norris. Cognition, 1982, 11, 103-107.	1.1	13
136	Children's processing of spoken language. Journal of Verbal Learning and Verbal Behavior, 1981, 20, 400-416.	3.8	75
137	The temporal structure of spoken language understanding. Cognition, 1980, 8, 1-71.	1.1	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. Cognitive Psychology, 1978, 10, 29-63.	0.9	1,277
140	Some developmental aspects of sentence processing and memory. Journal of Child Language, 1978, 5, 113-129.	0.8	24
141	The on-line effects of semantic context on syntactic processing. Journal of Verbal Learning and Verbal Behavior, 1977, 16, 683-692.	3.8	230
142	Memory for remote events in anterograde amnesia: Recognition of public figures from newsphotographs. Neuropsychologia, 1975, 13, 353-364.	0.7	284
143	Processing structure of sentence perception. Nature, 1975, 257, 784-786.	13.7	132
144	Linguistic Structure and Speech Shadowing at Very Short Latencies. Nature, 1973, 244, 522-523.	13.7	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