

Matthew H Davis

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

15,337
citations

25014

57
h-index

24961

109
g-index

133
all docs

133
docs citations

133
times ranked

9433
citing authors

#	ARTICLE	IF	CITATIONS
1	A checklist for assessing the methodological quality of concurrent tES-fMRI studies (ContES) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.5	21
2	Extracting Language Content from Speech Sounds: The Information Theoretic Approach. Springer Handbook of Auditory Research, 2022, , 113-139.	0.3	14
3	Timing of brain entrainment to the speech envelope during speaking, listening and self-listening. Cognition, 2022, 224, 105051.	1.1	9
4	Differential Auditory and Visual Phase-Locking Are Observed during Audio-Visual Benefit and Silent Lip-Reading for Speech Perception. Journal of Neuroscience, 2022, 42, 6108-6120.	1.7	7
5	The relationship between sentence comprehension and lexical-semantic retuning. Journal of Memory and Language, 2021, 116, 104188.	1.1	6
6	Sustained neural rhythms reveal endogenous oscillations supporting speech perception. PLoS Biology, 2021, 19, e3001142.	2.6	66
7	The Dramatic Impact of Explicit Instruction on Learning to Read in a New Writing System. Psychological Science, 2021, 32, 471-484.	1.8	20
8	Predictive Neural Computations Support Spoken Word Recognition: Evidence from MEG and Competitor Priming. Journal of Neuroscience, 2021, 41, 6919-6932.	1.7	7
9	The Neural Time Course of Semantic Ambiguity Resolution in Speech Comprehension. Journal of Cognitive Neuroscience, 2020, 32, 403-425.	1.1	13
10	Perception of Rhythmic Speech Is Modulated by Focal Bilateral Transcranial Alternating Current Stimulation. Journal of Cognitive Neuroscience, 2020, 32, 226-240.	1.1	23
11	Rapid computations of spectrotemporal prediction error support perception of degraded speech. ELife, 2020, 9, .	2.8	41
12	Mapping visual symbols onto spoken language along the ventral visual stream. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17723-17728.	3.3	38
13	How to test for phasic modulation of neural and behavioural responses. NeuroImage, 2019, 202, 116175.	2.1	49
14	Neural Decoding of Bistable Sounds Reveals an Effect of Intention on Perceptual Organization. Journal of Neuroscience, 2018, 38, 2844-2853.	1.7	27
15	Phase Entrainment of Brain Oscillations Causally Modulates Neural Responses to Intelligible Speech. Current Biology, 2018, 28, 401-408.e5.	1.8	152
16	Semantic and phonological schema influence spoken word learning and overnight consolidation. Quarterly Journal of Experimental Psychology, 2018, 71, 1469-1481.	0.6	33
17	Neural Prediction Errors Distinguish Perception and Misperception of Speech. Journal of Neuroscience, 2018, 38, 6076-6089.	1.7	22
18	Listeners and readers generalize their experience with word meanings across modalities.. Journal of Experimental Psychology: Learning Memory and Cognition, 2018, 44, 1533-1561.	0.7	16

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19	Inferior Frontal Cortex Contributions to the Recognition of Spoken Words and Their Constituent Speech Sounds. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 919-936.	1.1	34
20	Transcranial electric stimulation for the investigation of speech perception and comprehension. <i>Language, Cognition and Neuroscience</i> , 2017, 32, 910-923.	0.7	32
21	Comparing and validating methods of reading instruction using behavioural and neural findings in an artificial orthography.. <i>Journal of Experimental Psychology: General</i> , 2017, 146, 826-858.	1.5	43
22	How to study spoken language understanding: a survey of neuroscientific methods. <i>Language, Cognition and Neuroscience</i> , 2017, 32, 805-817.	0.7	2
23	Accent modulates access to word meaning: Evidence for a speaker-model account of spoken word recognition. <i>Cognitive Psychology</i> , 2017, 98, 73-101.	0.9	40
24	Learning and retrieving holistic and componential visual-verbal associations in reading and object naming. <i>Neuropsychologia</i> , 2017, 98, 68-84.	0.7	12
25	Evidence for causal top-down frontal contributions to predictive processes in speech perception. <i>Nature Communications</i> , 2017, 8, 2154.	5.8	107
26	The Neurobiology of Lexical Access. , 2016, , 541-555.		5
27	Prediction Errors but Not Sharpened Signals Simulate Multivoxel fMRI Patterns during Speech Perception. <i>PLoS Biology</i> , 2016, 14, e1002577.	2.6	109
28	Perceptual learning of degraded speech by minimizing prediction error. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1747-56.	3.3	96
29	Hierarchical Organization of Auditory and Motor Representations in Speech Perception: Evidence from Searchlight Similarity Analysis. <i>Cerebral Cortex</i> , 2015, 25, 4772-4788.	1.6	120
30	From specific examples to general knowledge in language learning. <i>Cognitive Psychology</i> , 2015, 79, 1-39.	0.9	45
31	Early Visual Word Processing Is Flexible: Evidence from Spatiotemporal Brain Dynamics. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1738-1751.	1.1	47
32	Top-down influences of written text on perceived clarity of degraded speech.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014, 40, 186-199.	0.7	63
33	Neural correlates of successful semantic processing during propofol sedation. <i>Human Brain Mapping</i> , 2014, 35, 2935-2949.	1.9	49
34	Distinct Neural Specializations for Learning to Read Words and Name Objects. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2128-2154.	1.1	27
35	Interpreting response time effects in functional imaging studies. <i>NeuroImage</i> , 2014, 99, 419-433.	2.1	50
36	Lexical Influences on Auditory Streaming. <i>Current Biology</i> , 2013, 23, 1585-1589.	1.8	43

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37	Phase-Locked Responses to Speech in Human Auditory Cortex are Enhanced During Comprehension. <i>Cerebral Cortex</i> , 2013, 23, 1378-1387.	1.6	469
38	Long-term priming of the meanings of ambiguous words. <i>Journal of Memory and Language</i> , 2013, 68, 180-198.	1.1	47
39	Can cognitive models explain brain activation during word and pseudoword reading? A meta-analysis of 36 neuroimaging studies.. <i>Psychological Bulletin</i> , 2013, 139, 766-791.	5.5	289
40	Individual Sequence Representations in the Medial Temporal Lobe. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1111-1121.	1.1	63
41	Task modulation of brain responses in visual word recognition as studied using EEG/MEG and fMRI. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 376.	1.0	39
42	Predictive Top-Down Integration of Prior Knowledge during Speech Perception. <i>Journal of Neuroscience</i> , 2012, 32, 8443-8453.	1.7	314
43	Dissociating Frontotemporal Contributions to Semantic Ambiguity Resolution in Spoken Sentences. <i>Cerebral Cortex</i> , 2012, 22, 1761-1773.	1.6	78
44	Effortful Listening: The Processing of Degraded Speech Depends Critically on Attention. <i>Journal of Neuroscience</i> , 2012, 32, 14010-14021.	1.7	313
45	Is the Link between Anatomical Structure and Function Equally Strong at All Cognitive Levels of Processing?. <i>Cerebral Cortex</i> , 2012, 22, 1593-1603.	1.6	61
46	Brain regions recruited for the effortful comprehension of noise-vocoded words. <i>Language and Cognitive Processes</i> , 2012, 27, 1145-1166.	2.3	105
47	Speech recognition in adverse conditions: A review. <i>Language and Cognitive Processes</i> , 2012, 27, 953-978.	2.3	502
48	Learning new meanings for old words: effects of semantic relatedness. <i>Memory and Cognition</i> , 2012, 40, 1095-1108.	0.9	51
49	The role of memory consolidation in generalisation of new linguistic information. <i>Cognition</i> , 2012, 125, 107-112.	1.1	46
50	Human auditory cortex is sensitive to the perceived clarity of speech. <i>NeuroImage</i> , 2012, 60, 1490-1502.	2.1	95
51	Neural Oscillations Carry Speech Rhythm through to Comprehension. <i>Frontiers in Psychology</i> , 2012, 3, 320.	1.1	401
52	Neural mechanisms underlying the grouping effect in short-term memory. <i>Human Brain Mapping</i> , 2012, 33, 1634-1647.	1.9	14
53	Temporal Predictive Codes for Spoken Words in Auditory Cortex. <i>Current Biology</i> , 2012, 22, 615-621.	1.8	159
54	Neural dissociation in processing noise and accent in spoken language comprehension. <i>Neuropsychologia</i> , 2012, 50, 77-84.	0.7	55

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55	Individual differences in premotor and motor recruitment during speech perception. <i>Neuropsychologia</i> , 2012, 50, 1380-1392.	0.7	47
56	Perceptual and response components in repetition priming of spoken words and pseudowords. <i>Quarterly Journal of Experimental Psychology</i> , 2011, 64, 96-121.	0.6	12
57	Why Clowns Taste Funny: The Relationship between Humor and Semantic Ambiguity. <i>Journal of Neuroscience</i> , 2011, 31, 9665-9671.	1.7	90
58	The Continuity Illusion Does Not Depend on Attentional State: fMRI Evidence from Illusory Vowels. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2675-2689.	1.1	25
59	Does Semantic Context Benefit Speech Understanding through "Top-Down" Processes? Evidence from Time-resolved Sparse fMRI. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3914-3932.	1.1	143
60	The acquisition of morphological knowledge investigated through artificial language learning. <i>Quarterly Journal of Experimental Psychology</i> , 2011, 64, 1200-1220.	0.6	46
61	Orthographic and semantic opacity in masked and delayed priming: Evidence from Greek. <i>Language and Cognitive Processes</i> , 2011, 26, 530-557.	2.3	9
62	Generalization of perceptual learning of vocoded speech.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2011, 37, 283-295.	0.7	61
63	Brain structures underlying lexical processing of speech: Evidence from brain imaging. , 2011, , 197-230.		3
64	Form and meaning in early morphological processing: Comment on Feldman, O'Connor, and Moscoso del Prado Martn (2009). <i>Psychonomic Bulletin and Review</i> , 2010, 17, 749-755.	1.4	52
65	The role of domain-general frontal systems in language comprehension: Evidence from dual-task interference and semantic ambiguity. <i>Brain and Language</i> , 2010, 115, 182-188.	0.8	59
66	Derivational morphology and base morpheme frequency. <i>Journal of Memory and Language</i> , 2010, 63, 117-130.	1.1	61
67	Hierarchical processing for speech in human auditory cortex and beyond. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 51.	1.0	120
68	Response to McGettigan et al.: Task-based accounts are not sufficiently coherent to explain articulatory effects in speech perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, .	3.3	3
69	Activation of articulatory information in speech perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 592-597.	3.3	89
70	Reply to Skoyles: Direct acoustic-to-articulatory links have functional significance and historical precedent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, .	3.3	0
71	Evaluating an acoustically quiet EPI sequence for use in fMRI studies of speech and auditory processing. <i>NeuroImage</i> , 2010, 52, 1410-1419.	2.1	63
72	Objective Measures of Auditory Scene Analysis. , 2010, , 507-519.		10

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73	Learning and Consolidation of Novel Spoken Words. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 803-820.	1.1	232
74	Adore-able not adorable? Orthographic underspecification studied with masked repetition priming. <i>European Journal of Cognitive Psychology</i> , 2009, 21, 813-836.	1.3	35
75	A complementary systems account of word learning: neural and behavioural evidence. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 3773-3800.	1.8	409
76	Towards the routine use of brain imaging to aid the clinical diagnosis of disorders of consciousness. <i>Brain</i> , 2009, 132, 2541-2552.	3.7	252
77	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.	1.1	73
78	Is there a "fete"™ in "fetish"™? Effects of orthographic opacity on morpho-orthographic segmentation in visual word recognition. <i>Journal of Memory and Language</i> , 2008, 58, 307-326.	1.1	87
79	Imagery or meaning? Evidence for a semantic origin of category-specific brain activity in metabolic imaging. <i>European Journal of Neuroscience</i> , 2008, 27, 1856-1866.	1.2	82
80	Illusory Vowels Resulting from Perceptual Continuity: A Functional Magnetic Resonance Imaging Study. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1737-1752.	1.1	50
81	Modulation of brain activity by multiple lexical and word form variables in visual word recognition: A parametric fMRI study. <i>NeuroImage</i> , 2008, 42, 1185-1195.	2.1	72
82	Morphological decomposition based on the analysis of orthography. <i>Language and Cognitive Processes</i> , 2008, 23, 942-971.	2.3	351
83	Perceptual learning of noise vocoded words: Effects of feedback and lexicality.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2008, 34, 460-474.	0.7	128
84	Do vegetative patients retain aspects of language comprehension? Evidence from fMRI. <i>Brain</i> , 2007, 130, 2494-2507.	3.7	230
85	Dissociating speech perception and comprehension at reduced levels of awareness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16032-16037.	3.3	238
86	Using Functional Magnetic Resonance Imaging to Detect Covert Awareness in the Vegetative State. <i>Archives of Neurology</i> , 2007, 64, 1098.	4.9	114
87	Hearing speech sounds: Top-down influences on the interface between audition and speech perception. <i>Hearing Research</i> , 2007, 229, 132-147.	0.9	354
88	When thoughts become action: An fMRI paradigm to study volitional brain activity in non-communicative brain injured patients. <i>NeuroImage</i> , 2007, 36, 979-992.	2.1	299
89	Differentiating Morphology, Form, and Meaning: Neural Correlates of Morphological Complexity. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1464-1475.	1.1	83
90	Disgust sensitivity predicts the insula and pallidal response to pictures of disgusting foods. <i>European Journal of Neuroscience</i> , 2007, 25, 3422-3428.	1.2	161

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91	Match: A program to assist in matching the conditions of factorial experiments. Behavior Research Methods, 2007, 39, 973-978.	2.3	96
92	Neural Response Suppression Predicts Repetition Priming of Spoken Words and Pseudowords. Journal of Cognitive Neuroscience, 2006, 18, 1237-1252.	1.1	79
93	Detecting Awareness in the Vegetative State. Science, 2006, 313, 1402-1402.	6.0	1,465
94	Change detection in children with autism: An auditory event-related fMRI study. NeuroImage, 2006, 29, 475-484.	2.1	212
95	Interleaved silent steady state (ISSS) imaging: A new sparse imaging method applied to auditory fMRI. NeuroImage, 2006, 29, 774-782.	2.1	99
96	The time course of visual word recognition as revealed by linear regression analysis of ERP data. NeuroImage, 2006, 30, 1383-1400.	2.1	482
97	Mix, a program for pseudorandomization. Behavior Research Methods, 2006, 38, 584-589.	2.3	213
98	Permutation testing of orthogonal factorial effects in a language-processing experiment using fMRI. Human Brain Mapping, 2006, 27, 425-433.	1.9	31
99	Individual Differences in Reward Drive Predict Neural Responses to Images of Food. Journal of Neuroscience, 2006, 26, 5160-5166.	1.7	540
100	From sound to meaning: Hierarchical processing in speech comprehension. , 2005, , 298-305.		0
101	Lexical Information Drives Perceptual Learning of Distorted Speech: Evidence From the Comprehension of Noise-Vocoded Sentences.. Journal of Experimental Psychology: General, 2005, 134, 222-241.	1.5	414
102	Using a hierarchical approach to investigate residual auditory cognition in persistent vegetative state. Progress in Brain Research, 2005, 150, 457-608.	0.9	51
103	The Neural Mechanisms of Speech Comprehension: fMRI studies of Semantic Ambiguity. Cerebral Cortex, 2005, 15, 1261-1269.	1.6	508
104	Residual auditory function in persistent vegetative state: a combined pet and fmri study. Neuropsychological Rehabilitation, 2005, 15, 290-306.	1.0	107
105	Units of representation in visual word recognition. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14687-14688.	3.3	15
106	Neural responses to morphological, syntactic, and semantic properties of single words: An fMRI study. Brain and Language, 2004, 89, 439-449.	0.8	117
107	The broth in my brother's brothel: Morpho-orthographic segmentation in visual word recognition. Psychonomic Bulletin and Review, 2004, 11, 1090-1098.	1.4	502
108	Hierarchical Processing in Spoken Language Comprehension. Journal of Neuroscience, 2003, 23, 3423-3431.	1.7	631

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109	Morphology and frequency: Contrasting methodologies. , 2003, , 89-124.		11
110	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
111	On the complexities of measuring naming.. Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 307-314.	0.7	80
112	Is there an anatomical basis for category-specificity? Semantic memory studies in PET and fMRI. Neuropsychologia, 2002, 40, 54-75.	0.7	233
113	On the complexities of measuring naming.. Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 307-314.	0.7	60
114	Efficiency, information theory, and neural representations. Behavioral and Brain Sciences, 2000, 23, 475-476.	0.4	0
115	Susceptibility-Induced Loss of Signal: Comparing PET and fMRI on a Semantic Task. NeuroImage, 2000, 11, 589-600.	2.1	400
116	Frequency effects in processing inflected Dutch nouns: A distributed connectionist account. , 0, , .		12