

# Lorraine K Tyler

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

10,329  
citations

36203

51  
h-index

43802

91  
g-index

101  
all docs

101  
docs citations

101  
times ranked

7028  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology and meaning in the English mental lexicon.. Psychological Review, 1994, 101, 3-33.	2.7	796
2	The Cambridge Centre for Ageing and Neuroscience (Cam-CAN) data repository: Structural and functional MRI, MEG, and cognitive data from a cross-sectional adult lifespan sample. NeuroImage, 2017, 144, 262-269.	2.1	487
3	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
4	Susceptibility-Induced Loss of Signal: Comparing PET and fMRI on a Semantic Task. NeuroImage, 2000, 11, 589-600.	2.1	400
5	Morphological and semantic effects in visual word recognition: A time-course study. Language and Cognitive Processes, 2000, 15, 507-537.	2.3	399
6	Modulation of motor and premotor cortices by actions, action words and action sentences. Neuropsychologia, 2009, 47, 388-396.	0.7	294
7	Dissociating types of mental computation. Nature, 1997, 387, 592-594.	13.7	258
8	Is there an anatomical basis for category-specificity? Semantic memory studies in PET and fMRI. Neuropsychologia, 2002, 40, 54-75.	0.7	233
9	The on-line effects of semantic context on syntactic processing. Journal of Verbal Learning and Verbal Behavior, 1977, 16, 683-692.	3.8	230
10	Binding crossmodal object features in perirhinal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8239-8244.	3.3	218
11	Language in the aging brain: The network dynamics of cognitive decline and preservation. Science, 2014, 346, 583-587.	6.0	217
12	Object-Specific Semantic Coding in Human Perirhinal Cortex. Journal of Neuroscience, 2014, 34, 4766-4775.	1.7	208
13	Left inferior frontal cortex and syntax: function, structure and behaviour in patients with left hemisphere damage. Brain, 2011, 134, 415-431.	3.7	207
14	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
15	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
16	Extrinsic and Intrinsic Brain Network Connectivity Maintains Cognition across the Lifespan Despite Accelerated Decay of Regional Brain Activation. Journal of Neuroscience, 2016, 36, 3115-3126.	1.7	185
17	Obesity associated with increased brain age from midlife. Neurobiology of Aging, 2016, 47, 63-70.	1.5	181
18	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

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19	Loss of semantic memory: implications for the modularity of mind. <i>Cognitive Neuropsychology</i> , 1994, 11, 505-542.	0.4	170
20	The effect of ageing on fMRI: Correction for the confounding effects of vascular reactivity evaluated by joint fMRI and MEG in 335 adults. <i>Human Brain Mapping</i> , 2015, 36, 2248-2269.	1.9	169
21	Representational Similarity Analysis Reveals Commonalities and Differences in the Semantic Processing of Words and Objects. <i>Journal of Neuroscience</i> , 2013, 33, 18906-18916.	1.7	163
22	Rules, representations, and the English past tense. <i>Trends in Cognitive Sciences</i> , 1998, 2, 428-435.	4.0	162
23	Why Do Alzheimer Patients Have Difficulty with Pronouns? Working Memory, Semantics, and Reference in Comprehension and Production in Alzheimer's Disease. <i>Brain and Language</i> , 1999, 67, 202-227.	0.8	158
24	Fronto-temporal brain systems supporting spoken language comprehension. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1037-1054.	1.8	158
25	Linguistic dissociations in Williams syndrome: evaluating receptive syntax in on-line and off-line tasks. <i>Neuropsychologia</i> , 1998, 36, 343-351.	0.7	141
26	Quantifying contextual contributions to word-recognition processes. <i>Perception &amp; Psychophysics</i> , 1983, 34, 409-420.	2.3	139
27	“Two Eyes of a See-through”: Impaired and Intact Semantic Knowledge in a Case of Selective Deficit for Living Things. <i>Neurocase</i> , 1998, 4, 291-310.	0.2	137
28	Past tense formation in Williams syndrome. <i>Language and Cognitive Processes</i> , 2001, 16, 143-176.	2.3	137
29	Temporal and frontal systems in speech comprehension: An fMRI study of past tense processing. <i>Neuropsychologia</i> , 2005, 43, 1963-1974.	0.7	137
30	Dissociations in Processing Past Tense Morphology: Neuropathology and Behavioral Studies. <i>Journal of Cognitive Neuroscience</i> , 2002, 14, 79-94.	1.1	134
31	Understanding What We See: How We Derive Meaning From Vision. <i>Trends in Cognitive Sciences</i> , 2015, 19, 677-687.	4.0	125
32	Functional Properties of Concepts: Studies of Normal and Brain-damaged Patients. <i>Cognitive Neuropsychology</i> , 1997, 14, 511-545.	0.4	117
33	From Perception to Conception: How Meaningful Objects Are Processed over Time. <i>Cerebral Cortex</i> , 2013, 23, 187-197.	1.6	117
34	The functional organisation of the fronto-temporal language system: Evidence from syntactic and semantic ambiguity. <i>Neuropsychologia</i> , 2010, 48, 1324-1335.	0.7	113
35	The structure of the initial cohort: Evidence from gating. <i>Perception &amp; Psychophysics</i> , 1984, 36, 417-427.	2.3	110
36	Predicting the Time Course of Individual Objects with MEG. <i>Cerebral Cortex</i> , 2015, 25, 3602-3612.	1.6	106

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37	Objects and Categories: Feature Statistics and Object Processing in the Ventral Stream. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1723-1735.	1.1	105
38	Sentence Comprehension Deficits in Alzheimer's Disease: A Comparison of Off-Line vs. On-Line Sentence Processing. <i>Brain and Language</i> , 1998, 64, 297-316.	0.8	99
39	Phonology and neuropsychology of the English past tense. <i>Neuropsychologia</i> , 2002, 40, 1154-1166.	0.7	97
40	Dissociating neuro-cognitive component processes: voxel-based correlational methodology. <i>Neuropsychologia</i> , 2005, 43, 771-778.	0.7	96
41	Differentiating Morphology, Form, and Meaning: Neural Correlates of Morphological Complexity. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1464-1475.	1.1	83
42	Medial perirhinal cortex disambiguates confusable objects. <i>Brain</i> , 2012, 135, 3757-3769.	3.7	83
43	Real-time comprehension processes in agrammatism: A case study. <i>Brain and Language</i> , 1985, 26, 259-275.	0.8	77
44	Reorganization of syntactic processing following left-hemisphere brain damage: does right-hemisphere activity preserve function?. <i>Brain</i> , 2010, 133, 3396-3408.	3.7	75
45	Idiosyncratic responding during movie-watching predicted by age differences in attentional control. <i>Neurobiology of Aging</i> , 2015, 36, 3045-3055.	1.5	74
46	Is gating an on-line task? Evidence from naming latency data. <i>Perception &amp; Psychophysics</i> , 1985, 38, 217-222.	2.3	72
47	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.	2.1	72
48	Integrated deep visual and semantic attractor neural networks predict fMRI pattern-information along the ventral object processing pathway. <i>Scientific Reports</i> , 2018, 8, 10636.	1.6	72
49	Language-related domain-specific and domain-general systems in the human brain. <i>Current Opinion in Behavioral Sciences</i> , 2018, 21, 132-137.	2.0	71
50	Activity and Connectivity Differences Underlying Inhibitory Control Across the Adult Life Span. <i>Journal of Neuroscience</i> , 2018, 38, 7887-7900.	1.7	69
51	Do Individuals with Williams Syndrome have Bizarre Semantics? Evidence for Lexical Organization Using an On-Line Task. <i>Cortex</i> , 1997, 33, 515-527.	1.1	67
52	Conceptual structure: Towards an integrated neurocognitive account. <i>Language and Cognitive Processes</i> , 2011, 26, 1368-1401.	2.3	66
53	Preserved cognitive functions with age are determined by domain-dependent shifts in network responsiveness. <i>Nature Communications</i> , 2017, 8, 14743.	5.8	62
54	Crossmodal integration of object features: Voxel-based correlations in brain-damaged patients. <i>Brain</i> , 2009, 132, 671-683.	3.7	61

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55	The perirhinal cortex and conceptual processing: Effects of feature-based statistics following damage to the anterior temporal lobes. <i>Neuropsychologia</i> , 2015, 76, 192-207.	0.7	54
56	The interaction of meaning and sound in spoken word recognition. <i>Psychonomic Bulletin and Review</i> , 2000, 7, 320-326.	1.4	53
57	Age-Related Increases in Verbal Knowledge Are Not Associated With Word Finding Problems in the Cam-CAN Cohort: What You Know Won't Hurt You. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2017, 72, 100-106.	2.4	53
58	Age-related sensitivity to task-related modulation of language-processing networks. <i>Neuropsychologia</i> , 2014, 63, 107-115.	0.7	51
59	The effects of age on resting-state BOLD signal variability is explained by cardiovascular and cerebrovascular factors. <i>Psychophysiology</i> , 2021, 58, e13714.	1.2	51
60	Neurobiological Systems for Lexical Representation and Analysis in English. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1678-1691.	1.1	49
61	Decoding the Cortical Dynamics of Sound-Meaning Mapping. <i>Journal of Neuroscience</i> , 2017, 37, 1312-1319.	1.7	42
62	Neural dynamics of semantic composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21318-21327.	3.3	42
63	Age-related reduction in motor adaptation: brain structural correlates and the role of explicit memory. <i>Neurobiology of Aging</i> , 2020, 90, 13-23.	1.5	42
64	Category-specific semantic deficits: The role of familiarity and property type reexamined.. <i>Neuropsychology</i> , 1998, 12, 367-379.	1.0	41
65	The conceptual structure account: A cognitive model of semantic memory and its neural instantiation. , 2007, , 265-301.		41
66	The processing of English regular inflections: Phonological cues to morphological structure. <i>Cognition</i> , 2008, 109, 1-17.	1.1	41
67	Robust Resilience of the Frontotemporal Syntax System to Aging. <i>Journal of Neuroscience</i> , 2016, 36, 5214-5227.	1.7	39
68	Deficits for Semantics and the Irregular Past Tense: A Causal Relationship?. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 1159-1172.	1.1	38
69	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.	1.5	38
70	Syntactic Computations in the Language Network: Characterizing Dynamic Network Properties Using Representational Similarity Analysis. <i>Frontiers in Psychology</i> , 2013, 4, 271.	1.1	37
71	Activating meaning in time: The role of imageability and form-class. <i>Language and Cognitive Processes</i> , 2002, 17, 471-502.	2.3	35
72	The Gradual Deterioration of Syntax and Semantics in a Patient with Progressive Aphasia. <i>Brain and Language</i> , 1997, 56, 426-476.	0.8	34

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73	Spoken language comprehension in a fluent aphasic patient. <i>Cognitive Neuropsychology</i> , 1988, 5, 375-400.	0.4	33
74	Comprehension of long distance number agreement in probable Alzheimer's disease. <i>Language and Cognitive Processes</i> , 2001, 16, 35-63.	2.3	32
75	Conceptual Structure Modulates Anteromedial Temporal Involvement in Processing Verbally Presented Object Properties. <i>Cerebral Cortex</i> , 2006, 17, 1066-1073.	1.6	31
76	Dissociations of lexical function: Semantics, syntax, and morphology. <i>Cognitive Neuropsychology</i> , 1995, 12, 345-389.	0.4	29
77	Oscillatory Dynamics of Perceptual to Conceptual Transformations in the Ventral Visual Pathway. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 1590-1605.	1.1	26
78	New evidence for morphological errors in deep dyslexia. <i>Brain and Language</i> , 2006, 97, 189-199.	0.8	24
79	Perceptual and conceptual processing of visual objects across the adult lifespan. <i>Scientific Reports</i> , 2019, 9, 13771.	1.6	23
80	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.	1.7	22
81	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.	1.7	20
82	The processing of simple and complex words in an agrammatic patient: Evidence from priming. <i>Neuropsychologia</i> , 1994, 32, 1001-1013.	0.7	19
83	Capturing underlying differentiation in the human language system. <i>Trends in Cognitive Sciences</i> , 2003, 7, 62-63.	4.0	17
84	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.	0.9	15
85	Are the senses enough for sense? Early high-level feedback shapes our comprehension of multisensory objects. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 82.	1.0	13
86	The Distinction Between Implicit and Explicit Language Function: Evidence from Aphasia. , 1992, , 159-178.		12
87	Syntactic deficits and the construction of local phrases in spoken language comprehension. <i>Cognitive Neuropsychology</i> , 1989, 6, 333-355.	0.4	10
88	Feature Statistics Modulate the Activation of Meaning During Spoken Word Processing. <i>Cognitive Science</i> , 2016, 40, 325-350.	0.8	8
89	Decoding the Real-Time Neurobiological Properties of Incremental Semantic Interpretation. <i>Cerebral Cortex</i> , 2021, 31, 233-247.	1.6	6
90	From Language and Cognitive Processes to Language, Cognition and Neuroscience. <i>Language, Cognition and Neuroscience</i> , 2014, 29, 1-1.	0.7	3

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91	Concepts and categories: What is the evidence for neural specialisation?. Behavioral and Brain Sciences, 2001, 24, 495-496.	0.4	2
92	The conceptual structure of cabbages and things. Brain and Language, 2003, 87, 84-85.	0.8	2
93	The limits of a localized account of conceptual knowledge: Reply to Kiefer and Spitzer. Trends in Cognitive Sciences, 2001, 5, 471.	4.0	1
94	Morphological Deficits in Aphasia: Problems of Representation, Access or Integration?. , 1994, , 202-218.		0