

Angela D Friederici

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

145
papers

9,466
citations

47
h-index

95
g-index

149
ext. papers

11,365
ext. citations

6.7
avg, IF

7.02
L-index

#	Paper	IF	Citations
145	Chimpanzees produce diverse vocal sequences with ordered and recombinatorial properties.. <i>Communications Biology</i> , 2022 , 5, 410	6.7	2
144	Bridging the Gap Between Neurons and Cognition Through Assemblies of Neurons.. <i>Neural Computation</i> , 2021 , 1-16	2.9	0
143	Children's Learning of Non-adjacent Dependencies Using a Web-Based Computer Game Setting. <i>Frontiers in Psychology</i> , 2021 , 12, 734877	3.4	0
142	Hierarchical syntactic processing is beyond mere associating: Functional magnetic resonance imaging evidence from a novel artificial grammar. <i>Human Brain Mapping</i> , 2021 , 42, 3253-3268	5.9	4
141	Dissociable contributions of frontal and temporal brain regions to basic semantic composition. <i>Brain Communications</i> , 2021 , 3, fcab090	4.5	2
140	Functional brain plasticity during L1 training on complex sentences: Changes in gamma-band oscillatory activity. <i>Human Brain Mapping</i> , 2021 , 42, 3858-3870	5.9	1
139	Pitch accents create dissociable syntactic and semantic expectations during sentence processing. <i>Cognition</i> , 2021 , 212, 104702	3.5	1
138	Language and action in Broca's area: Computational differentiation and cortical segregation. <i>Brain and Cognition</i> , 2021 , 147, 105651	2.7	3
137	Intonation processing increases task-specific fronto-temporal connectivity in tonal language speakers. <i>Human Brain Mapping</i> , 2021 , 42, 161-174	5.9	4
136	Functional neuroanatomy of language without speech: An ALE meta-analysis of sign language. <i>Human Brain Mapping</i> , 2021 , 42, 699-712	5.9	11
135	Gradual development of non-adjacent dependency learning during early childhood. <i>Developmental Cognitive Neuroscience</i> , 2021 , 50, 100975	5.5	0
134	Associated functional network development and language abilities in children. <i>NeuroImage</i> , 2021 , 242, 118452	7.9	0
133	Auditory brainstem measures and genotyping boost the prediction of literacy: A longitudinal study on early markers of dyslexia. <i>Developmental Cognitive Neuroscience</i> , 2020 , 46, 100869	5.5	2
132	Two systems for thinking about others' thoughts in the developing brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6928-6935	11.5	13
131	Sleep-dependent memory consolidation in infants protects new episodic memories from existing semantic memories. <i>Nature Communications</i> , 2020 , 11, 1298	17.4	15
130	Linguistic and non-linguistic non-adjacent dependency learning in early development. <i>Developmental Cognitive Neuroscience</i> , 2020 , 45, 100819	5.5	8
129	The emergence of dyslexia in the developing brain. <i>NeuroImage</i> , 2020 , 211, 116633	7.9	20

128	Word learning reveals white matter plasticity in preschool children. <i>Brain Structure and Function</i> , 2020 , 225, 607-619	4	15
127	Neural correlates of intonation and lexical tone in tonal and non-tonal language speakers. <i>Human Brain Mapping</i> , 2020 , 41, 1842-1858	5.9	7
126	Language Without Speech: Segregating Distinct Circuits in the Human Brain. <i>Cerebral Cortex</i> , 2020 , 30, 812-823	5.1	11
125	The topographical organization of motor processing: An ALE meta-analysis on six action domains and the relevance of Broca's region. <i>NeuroImage</i> , 2020 , 206, 116321	7.9	18
124	Hierarchy processing in human neurobiology: how specific is it?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20180391	5.8	21
123	Increased sensitivity and signal-to-noise ratio in diffusion-weighted MRI using multi-echo acquisitions. <i>NeuroImage</i> , 2020 , 221, 117172	7.9	8
122	Early cortical surface plasticity relates to basic mathematical learning. <i>NeuroImage</i> , 2020 , 204, 116235	7.9	5
121	A meta-analysis of fMRI studies of language comprehension in children. <i>NeuroImage</i> , 2020 , 215, 116858	7.9	15
120	Seven-year-olds recall non-adjacent dependencies after overnight retention. <i>Neurobiology of Learning and Memory</i> , 2020 , 171, 107225	3.1	2
119	Primate auditory prototype in the evolution of the arcuate fasciculus. <i>Nature Neuroscience</i> , 2020 , 23, 611-614	25.5	28
118	Cortical thickness lateralization and its relation to language abilities in children. <i>Developmental Cognitive Neuroscience</i> , 2019 , 39, 100704	5.5	8
117	Contributions of left frontal and temporal cortex to sentence comprehension: Evidence from simultaneous TMS-EEG. <i>Cortex</i> , 2019 , 115, 86-98	3.8	9
116	Young children's sentence comprehension: Neural correlates of syntax-semantic competition. <i>Brain and Cognition</i> , 2019 , 134, 110-121	2.7	9
115	A new computational approach to estimate whole-brain effective connectivity from functional and structural MRI, applied to language development. <i>Scientific Reports</i> , 2019 , 9, 8479	4.9	12
114	Mathematical expertise modulates the architecture of dorsal and cortico-thalamic white matter tracts. <i>Scientific Reports</i> , 2019 , 9, 6825	4.9	4
113	The emergence of long-range language network structural covariance and language abilities. <i>NeuroImage</i> , 2019 , 191, 36-48	7.9	13
112	Developmental changes in automatic rule-learning mechanisms across early childhood. <i>Developmental Science</i> , 2019 , 22, e12700	4.5	6
111	Age Differences in Encoding-Related Alpha Power Reflect Sentence Comprehension Difficulties. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 183	5.3	5

110	Intonation guides sentence processing in the left inferior frontal gyrus. <i>Cortex</i> , 2019 , 117, 122-134	3.8	14
109	The reciprocal relation between sleep and memory in infancy: Memory-dependent adjustment of sleep spindles and spindle-dependent improvement of memories. <i>Developmental Science</i> , 2019 , 22, e12743	4.5	16
108	Universal neural basis of structure building evidenced by network modulations emerging from Broca's area: The case of Chinese. <i>Human Brain Mapping</i> , 2019 , 40, 1705-1717	5.9	9
107	The Concurrence of Cortical Surface Area Expansion and White Matter Myelination in Human Brain Development. <i>Cerebral Cortex</i> , 2019 , 29, 827-837	5.1	16
106	Processing inflectional morphology: ERP evidence for decomposition of complex words according to the affix structure. <i>Cortex</i> , 2019 , 116, 143-153	3.8	2
105	Oscillatory dynamics of cortical functional connections in semantic prediction. <i>Human Brain Mapping</i> , 2019 , 40, 1856-1866	5.9	11
104	Alignment of alpha-band desynchronization with syntactic structure predicts successful sentence comprehension. <i>NeuroImage</i> , 2018 , 175, 286-296	7.9	16
103	Hypermyelination of the left auditory cortex in developmental dyslexia. <i>Neurology</i> , 2018 , 90, e492-e497	6.5	8
102	Structural connectivity of right frontal hyperactive areas scales with stuttering severity. <i>Brain</i> , 2018 , 141, 191-204	11.2	48
101	The right inferior frontal gyrus processes nested non-local dependencies in music. <i>Scientific Reports</i> , 2018 , 8, 3822	4.9	39
100	Longitudinal evidence for 4-year-olds' but not 2- and 3-year-olds' false belief-related action anticipation. <i>Cognitive Development</i> , 2018 , 46, 58-68	1.7	34
99	White matter pathways for prosodic structure building: A case study. <i>Brain and Language</i> , 2018 , 183, 1-10	2.9	8
98	Evolution of the neural language network. <i>Psychonomic Bulletin and Review</i> , 2017 , 24, 41-47	4.1	50
97	The origins of word learning: Brain responses of 3-month-olds indicate their rapid association of objects and words. <i>Developmental Science</i> , 2017 , 20, e12357	4.5	31
96	Auditory brainstem responses to stop consonants predict literacy. <i>Clinical Neurophysiology</i> , 2017 , 128, 484-494	4.3	10
95	Left posterior inferior frontal gyrus is causally involved in reordering during sentence processing. <i>NeuroImage</i> , 2017 , 148, 254-263	7.9	22
94	Dyslexia risk gene relates to representation of sound in the auditory brainstem. <i>Developmental Cognitive Neuroscience</i> , 2017 , 24, 63-71	5.5	27
93	Oscillatory EEG dynamics underlying automatic chunking during sentence processing. <i>NeuroImage</i> , 2017 , 152, 647-657	7.9	28

92	White matter maturation is associated with the emergence of Theory of Mind in early childhood. <i>Nature Communications</i> , 2017 , 8, 14692	17.4	59
91	Differential cortical contribution of syntax and semantics: An fMRI study on two-word phrasal processing. <i>Cortex</i> , 2017 , 96, 105-120	3.8	48
90	Building by Syntax: The Neural Basis of Minimal Linguistic Structures. <i>Cerebral Cortex</i> , 2017 , 27, 411-421	5.1	46
89	Linguistic Bias Modulates Interpretation of Speech via Neural Delta-Band Oscillations. <i>Cerebral Cortex</i> , 2017 , 27, 4293-4302	5.1	48
88	What Does "Being an Expert" Mean to the Brain? Functional Specificity and Connectivity in Expertise. <i>Cerebral Cortex</i> , 2017 , 27, 5603-5615	5.1	7
87	Language, mind and brain. <i>Nature Human Behaviour</i> , 2017 , 1, 713-722	12.8	104
86	Temporally and spatially distinct theta oscillations dissociate a language-specific from a domain-general processing mechanism across the age trajectory. <i>Scientific Reports</i> , 2017 , 7, 11202	4.9	12
85	Reviewing the functional basis of the syntactic Merge mechanism for language: A coordinate-based activation likelihood estimation meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 80, 646-658	9	41
84	The Sleeping Infant Brain Anticipates Development. <i>Current Biology</i> , 2017 , 27, 2374-2380.e3	6.3	35
83	The dorsal pathways: A comment on Kronfeld-Duenias et al. <i>Cortex</i> , 2017 , 90, 166-168	3.8	3
82	Functional organization of the language network in three- and six-year-old children. <i>Neuropsychologia</i> , 2017 , 98, 24-33	3.2	12
81	Implicit and explicit false belief development in preschool children. <i>Developmental Science</i> , 2017 , 20, e12445	4.5	54
80	Preschoolers' brains rely on semantic cues prior to the mastery of syntax during sentence comprehension. <i>NeuroImage</i> , 2016 , 126, 256-66	7.9	23
79	Development of a selective left-hemispheric fronto-temporal network for processing syntactic complexity in language comprehension. <i>Neuropsychologia</i> , 2016 , 83, 274-282	3.2	26
78	Brain Functional and Structural Predictors of Language Performance. <i>Cerebral Cortex</i> , 2016 , 26, 2127-39	5.1	89
77	The development of the intrinsic functional connectivity of default network subsystems from age 3 to 5. <i>Brain Imaging and Behavior</i> , 2016 , 10, 50-9	4.1	14
76	Left posterior-dorsal area 44 couples with parietal areas to promote speech fluency, while right area 44 activity promotes the stopping of motor responses. <i>NeuroImage</i> , 2016 , 142, 628-644	7.9	38
75	Frequency of Maternal Touch Predicts Resting Activity and Connectivity of the Developing Social Brain. <i>Cerebral Cortex</i> , 2016 , 26, 3544-52	5.1	81

74	Classifying song and speech: effects of focal temporal lesions and musical disorder. <i>Neurocase</i> , 2016 , 22, 496-504	0.8	1
73	Evolutionary origins of non-adjacent sequence processing in primate brain potentials. <i>Scientific Reports</i> , 2016 , 6, 36259	4.9	33
72	NRSN1 associated grey matter volume of the visual word form area reveals dyslexia before school. <i>Brain</i> , 2016 , 139, 2792-2803	11.2	28
71	How the brain attunes to sentence processing: Relating behavior, structure, and function. <i>NeuroImage</i> , 2016 , 129, 268-278	7.9	15
70	Longitudinal changes in resting-state fMRI from age 5 to age 6years covary with language development. <i>NeuroImage</i> , 2016 , 128, 116-124	7.9	34
69	Neural correlates of prosodic boundary perception in German preschoolers: If pause is present, pitch can go. <i>Brain Research</i> , 2016 , 1632, 27-33	3.7	11
68	Fronto-Parietal Contributions to Phonological Processes in Successful Artificial Grammar Learning. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 551	3.3	9
67	Prediction Signatures in the Brain: Semantic Pre-Activation during Language Comprehension. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 591	3.3	27
66	Development of the Intrinsic Language Network in Preschool Children from Ages 3 to 5 Years. <i>PLoS ONE</i> , 2016 , 11, e0165802	3.7	16
65	Facial speech gestures: the relation between visual speech processing, phonological awareness, and developmental dyslexia in 10-year-olds. <i>Developmental Science</i> , 2016 , 19, 1020-1034	4.5	10
64	The ontogeny of the cortical language network. <i>Nature Reviews Neuroscience</i> , 2016 , 17, 323-32	13.5	154
63	Predicting early signs of dyslexia at a preliterate age by combining behavioral assessment with structural MRI. <i>NeuroImage</i> , 2016 , 143, 378-386	7.9	32
62	White-matter pathways for speech and language processing. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2015 , 129, 177-86	3	51
61	Working-memory endophenotype and dyslexia-associated genetic variant predict dyslexia phenotype. <i>Cortex</i> , 2015 , 71, 291-305	3.8	19
60	Generalization of word meanings during infant sleep. <i>Nature Communications</i> , 2015 , 6, 6004	17.4	118
59	Frontal-posterior theta oscillations reflect memory retrieval during sentence comprehension. <i>Cortex</i> , 2015 , 71, 205-18	3.8	52
58	Response to Bornkessel-Schlesewsky et al.--towards a nonhuman primate model of language?. <i>Trends in Cognitive Sciences</i> , 2015 , 19, 483	14	10
57	Degree of automaticity and the prefrontal cortex. <i>Trends in Cognitive Sciences</i> , 2015 , 19, 244-50	14	28

56	Grounding language processing on basic neurophysiological principles. <i>Trends in Cognitive Sciences</i> , 2015 , 19, 329-38	14	87
55	The language skeleton after dissecting meaning: A functional segregation within Broca's Area. <i>NeuroImage</i> , 2015 , 114, 294-302	7.9	89
54	Present and past: Can writing abilities in school children be associated with their auditory discrimination capacities in infancy?. <i>Research in Developmental Disabilities</i> , 2015 , 47, 318-33	2.7	27
53	Genetic dyslexia risk variant is related to neural connectivity patterns underlying phonological awareness in children. <i>NeuroImage</i> , 2015 , 118, 414-21	7.9	33
52	Common molecular basis of the sentence comprehension network revealed by neurotransmitter receptor fingerprints. <i>Cortex</i> , 2015 , 63, 79-89	3.8	48
51	Brain structural correlates of complex sentence comprehension in children. <i>Developmental Cognitive Neuroscience</i> , 2015 , 15, 48-57	5.5	9
50	An fMRI study dissociating distance measures computed by Broca's area in movement processing: clause boundary vs. identity. <i>Frontiers in Psychology</i> , 2015 , 6, 654	3.4	13
49	Merge in the Human Brain: A Sub-Region Based Functional Investigation in the Left Pars Opercularis. <i>Frontiers in Psychology</i> , 2015 , 6, 1818	3.4	65
48	Auditory Discrimination Between Function Words in Children and Adults: A Mismatch Negativity Study. <i>Frontiers in Psychology</i> , 2015 , 6, 1930	3.4	6
47	Cortical differences in preliterate children at familiar risk of dyslexia are similar to those observed in dyslexic readers. <i>Brain</i> , 2015 , 138, e378	11.2	17
46	Sex hormones in early infancy seem to predict aspects of later language development. <i>Brain and Language</i> , 2015 , 141, 70-6	2.9	36
45	Reflections of word processing in the insular cortex: a sub-regional parcellation based functional assessment. <i>Brain and Language</i> , 2015 , 142, 1-7	2.9	30
44	Conscious auditory perception related to long-range synchrony of gamma oscillations. <i>NeuroImage</i> , 2014 , 100, 435-43	7.9	43
43	Sentence processing and verbal working memory in a white-matter-disconnection patient. <i>Neuropsychologia</i> , 2014 , 61, 190-6	3.2	26
42	Functional network mirrored in the prefrontal cortex, caudate nucleus, and thalamus: high-resolution functional imaging and structural connectivity. <i>Journal of Neuroscience</i> , 2014 , 34, 9202-12	6.6	44
41	Hemispheric lateralization of linguistic prosody recognition in comparison to speech and speaker recognition. <i>NeuroImage</i> , 2014 , 102 Pt 2, 332-44	7.9	33
40	Neural correlates of music-syntactic processing in two-year old children. <i>Developmental Cognitive Neuroscience</i> , 2014 , 9, 200-8	5.5	19
39	Syntax gradually segregates from semantics in the developing brain. <i>NeuroImage</i> , 2014 , 100, 106-11	7.9	57

38	Different hemispheric roles in recognition of happy expressions. <i>PLoS ONE</i> , 2014 , 9, e88628	3.7	10
37	Evolution, brain, and the nature of language. <i>Trends in Cognitive Sciences</i> , 2013 , 17, 89-98	14	311
36	The language network. <i>Current Opinion in Neurobiology</i> , 2013 , 23, 250-4	7.6	328
35	Hierarchical functional connectivity between the core language system and the working memory system. <i>Cortex</i> , 2013 , 49, 2416-23	3.8	52
34	Language learning without control: the role of the PFC. <i>Journal of Cognitive Neuroscience</i> , 2013 , 25, 814-31	3.1	22
33	The cortical language circuit: from auditory perception to sentence comprehension. <i>Trends in Cognitive Sciences</i> , 2012 , 16, 262-8	14	452
32	Auditory perception at the root of language learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15953-8	11.5	82
31	Perception of words and pitch patterns in song and speech. <i>Frontiers in Psychology</i> , 2012 , 3, 76	3.4	48
30	Language development and the ontogeny of the dorsal pathway. <i>Frontiers in Evolutionary Neuroscience</i> , 2012 , 4, 3		40
29	Mass counts: ERP correlates of non-adjacent dependency learning under different exposure conditions. <i>Neuroscience Letters</i> , 2011 , 487, 282-6	3.3	18
28	Precursors to natural grammar learning: preliminary evidence from 4-month-old infants. <i>PLoS ONE</i> , 2011 , 6, e17920	3.7	50
27	Maturation of the language network: from inter- to intrahemispheric connectivities. <i>PLoS ONE</i> , 2011 , 6, e20726	3.7	89
26	The brain basis of language processing: from structure to function. <i>Physiological Reviews</i> , 2011 , 91, 1357-92	17.9	960
25	Neural language networks at birth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16056-61	11.5	319
24	Prosody meets syntax: the role of the corpus callosum. <i>Brain</i> , 2010 , 133, 2643-55	11.2	53
23	Broca's region: novel organizational principles and multiple receptor mapping. <i>PLoS Biology</i> , 2010 , 8, e1000489	9.7	257
22	Syntactic learning by mere exposure--an ERP study in adult learners. <i>BMC Neuroscience</i> , 2009 , 10, 89	3.2	34
21	Segregating the core computational faculty of human language from working memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8362-7	11.5	232

20	Mathematical logic in the human brain: syntax. <i>PLoS ONE</i> , 2009 , 4, e5599	3.7	36
19	Processing prosodic boundaries in natural and hummed speech: an fMRI study. <i>Cerebral Cortex</i> , 2008 , 18, 541-52	5.1	31
18	The role of pause cues in language learning: the emergence of event-related potentials related to sequence processing. <i>Journal of Cognitive Neuroscience</i> , 2008 , 20, 892-905	3.1	27
17	Role of the corpus callosum in speech comprehension: interfacing syntax and prosody. <i>Neuron</i> , 2007 , 53, 135-45	13.9	70
16	The brain differentiates human and non-human grammars: functional localization and structural connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 2458-63	11.5	462
15	Broca's area and the ventral premotor cortex in language: functional differentiation and specificity. <i>Cortex</i> , 2006 , 42, 472-5	3.8	50
14	Brain correlates of language learning: the neuronal dissociation of rule-based versus similarity-based learning. <i>Journal of Neuroscience</i> , 2004 , 24, 8436-40	6.6	105
13	Brain signatures of syntactic and semantic processes during children's language development. <i>Journal of Cognitive Neuroscience</i> , 2004 , 16, 1302-18	3.1	140
12	Brain activity varies with modulation of dynamic pitch variance in sentence melody. <i>Brain and Language</i> , 2004 , 89, 277-89	2.9	154
11	Lateralization of auditory language functions: a dynamic dual pathway model. <i>Brain and Language</i> , 2004 , 89, 267-76	2.9	278
10	Event-related brain potential studies in language. <i>Current Neurology and Neuroscience Reports</i> , 2004 , 4, 466-70	6.6	89
9	Processing local transitions versus long-distance syntactic hierarchies. <i>Trends in Cognitive Sciences</i> , 2004 , 8, 245-7	14	99
8	Electric brain responses reveal gender differences in music processing. <i>NeuroReport</i> , 2003 , 14, 709-13	1.7	70
7	Syntactic comprehension in Parkinson's disease: Investigating early automatic and late integrational processes using event-related brain potentials.. <i>Neuropsychology</i> , 2003 , 17, 133-142	3.8	112
6	Interactions of the hippocampal system and the prefrontal cortex in learning language-like rules. <i>NeuroImage</i> , 2003 , 19, 1730-7	7.9	183
5	fMRI reveals brain regions mediating slow prosodic modulations in spoken sentences. <i>Human Brain Mapping</i> , 2002 , 17, 73-88	5.9	273
4	Bach Speaks: A Cortical Language-Network Serves the Processing of Music. <i>NeuroImage</i> , 2002 , 17, 956-966	6.9	385
3	Bach speaks: a cortical "language-network" serves the processing of music. <i>NeuroImage</i> , 2002 , 17, 956-66.9	6.9	119

2	Musical syntax is processed in Broca's area: an MEG study. <i>Nature Neuroscience</i> , 2001 , 4, 540-5	25,5	681
1	Gradual development of non-adjacent dependency learning during early childhood		1