

# Paula Tallal

## List of Publications by Year in descending order

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103  
papers

12,566  
citations

31976  
53  
h-index

38395  
95  
g-index

106  
all docs

106  
docs citations

106  
times ranked

4530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Auditory temporal perception, phonics, and reading disabilities in children. Brain and Language, 1980, 9, 182-198.	1.6	1,244
2	Neurobiological Basis of Speech: A Case for the Preeminence of Temporal Processing. Annals of the New York Academy of Sciences, 1993, 682, 27-47.	3.8	716
3	Defects of Non-Verbal Auditory Perception in Children with Developmental Aphasia. Nature, 1973, 241, 468-469.	27.8	677
4	Neural deficits in children with dyslexia ameliorated by behavioral remediation: Evidence from functional MRI. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2860-2865.	7.1	635
5	Developmental aphasia: impaired rate of non-verbal processing as a function of sensory modality. Neuropsychologia, 1973, 11, 389-398.	1.6	564
6	Developmental aphasia: Rate of auditory processing and selective impairment of consonant perception. Neuropsychologia, 1974, 12, 83-93.	1.6	508
7	Selection of Children with Specific Language Deficits. The Journal of Speech and Hearing Disorders, 1981, 46, 114-122.	1.3	417
8	Developmental aphasia: The perception of brief vowels and extended stop consonants. Neuropsychologia, 1975, 13, 69-74.	1.6	379
9	Improving language and literacy is a matter of time. Nature Reviews Neuroscience, 2004, 5, 721-728.	10.2	379
10	Impairment of auditory perception and language comprehension in dysphasia. Brain and Language, 1978, 5, 13-24.	1.6	342
11	Disrupted neural responses to phonological and orthographic processing in dyslexic children: an fMRI study. NeuroReport, 2001, 12, 299-307.	1.2	338
12	Infant discrimination of rapid auditory cues predicts later language impairment. Behavioural Brain Research, 2002, 136, 31-49.	2.2	332
13	Dynamic auditory processing, musical experience and language development. Trends in Neurosciences, 2006, 29, 382-390.	8.6	273
14	Identification of language-impaired children on the basis of rapid perception and production skills. Brain and Language, 1985, 25, 314-322.	1.6	270
15	Familial Aggregation in Specific Language Impairment. The Journal of Speech and Hearing Disorders, 1989, 54, 167-173.	1.3	269
16	The Neurobiology of Sensory and Language Processing in Language-Impaired Children. Journal of Cognitive Neuroscience, 1993, 5, 235-253.	2.3	268
17	Speech acoustic cue discrimination abilities of normally developing and language-impaired children. Journal of the Acoustical Society of America, 1981, 69, 568-574.	1.1	248
18	Different Origin of Auditory and Phonological Processing Problems in Children With Language Impairment. Journal of Speech, Language, and Hearing Research, 1999, 42, 155-168.	1.6	245

#	ARTICLE	IF	CITATIONS
19	Relations between the Neural Bases of Dynamic Auditory Processing and Phonological Processing: Evidence from fMRI. Journal of Cognitive Neuroscience, 2001, 13, 687-697.	2.3	217
20	NEUROBIOLOGY OF SPEECH PERCEPTION. Annual Review of Neuroscience, 1997, 20, 331-353.	10.7	214
21	A Major Susceptibility Locus for Specific Language Impairment Is Located on 13q21. American Journal of Human Genetics, 2002, 71, 45-55.	6.2	195
22	LATE CHILDHOOD CHANGES IN BRAIN MORPHOLOGY OBSERVABLE WITH MRI. Developmental Medicine and Child Neurology, 1990, 32, 379-385.	2.1	175
23	The relationship between auditory temporal analysis and receptive language development: Evidence from studies of developmental language disorder. Neuropsychologia, 1985, 23, 527-534.	1.6	172
24	Rapid Auditory Processing in Normal and Disordered Language Development. Journal of Speech and Hearing Research, 1976, 19, 561-571.	0.7	162
25	Functional lateralization for auditory temporal processing in male and female rats.. Behavioral Neuroscience, 1993, 107, 844-850.	1.2	146
26	Language, Learning, and Behavioral Disturbances in Childhood: A Longitudinal Perspective. Journal of the American Academy of Child and Adolescent Psychiatry, 1993, 32, 585-594.	0.5	137
27	Temporal processing, speech perception and hemispheric asymmetry. Trends in Neurosciences, 1980, 3, 309-311.	8.6	131
28	Matching learning style to instructional method: Effects on comprehension.. Journal of Educational Psychology, 2015, 107, 64-78.	2.9	123
29	A Reexamination of Some Nonverbal Perceptual Abilities of Language-Impaired and Normal Children as a Function of Age and Sensory Modality. Journal of Speech, Language, and Hearing Research, 1981, 24, 351-357.	1.6	120
30	Unexpected sex-ratios in families of language/learning-impaired children. Neuropsychologia, 1989, 27, 987-998.	1.6	114
31	Neurological status of language-impaired and normal children. Annals of Neurology, 1981, 10, 159-163.	5.3	104
32	Temporal or phonetic processing deficit in dyslexia? That is the question. Applied Psycholinguistics, 1984, 5, 167-169.	1.1	104
33	Examination of Potential Overlap in Autism and Language Loci on Chromosomes 2, 7, and 13 in Two Independent Samples Ascertained for Specific Language Impairment. Human Heredity, 2004, 57, 10-20.	0.8	97
34	Four-year follow-up study of language impaired children. Annals of Dyslexia, 1984, 34, 49-68.	1.7	95
35	Neurological and MRI profiles of children with developmental language impairment. Developmental Medicine and Child Neurology, 2000, 42, 470-475.	2.1	95
36	Specific Language Impairment in Families. Journal of Speech, Language, and Hearing Research, 2003, 46, 530-543.	1.6	88

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37	Relation between speech perception and speech production impairment in children with developmental dysphasia. <i>Brain and Language</i> , 1976, 3, 305-317.	1.6	76
38	Familial Aggregation in Specific Language Impairment. <i>Journal of Speech, Language, and Hearing Research</i> , 2001, 44, 1172-1182.	1.6	76
39	Developmental dysphasia: Relation between acoustic processing deficits and verbal processing. <i>Neuropsychologia</i> , 1980, 18, 273-284.	1.6	75
40	Perceptual/motor profiles of reading impaired children with or without concomitant oral language deficits. <i>Annals of Dyslexia</i> , 1982, 32, 163-176.	1.7	74
41	Auditory temporal processing thresholds, habituation, and recognition memory over the 1st year. , 1996, 19, 339-357.		69
42	Rapid Automatized Naming and gesture by normal and language-impaired children. <i>Brain and Language</i> , 1992, 43, 623-641.	1.6	68
43	Effects of sex and MK-801 on auditory-processing deficits associated with developmental microgyric lesions in rats.. <i>Behavioral Neuroscience</i> , 1997, 111, 404-412.	1.2	68
44	Verbal learning and memory in language impaired children. <i>Neuropsychologia</i> , 1992, 30, 451-458.	1.6	66
45	Behavioral/emotional profiles of preschool language-impaired children. <i>Development and Psychopathology</i> , 1989, 1, 51-67.	2.3	65
46	Delay Versus Deviance in the Language Acquisition of Language-Impaired Children. <i>Journal of Speech, Language, and Hearing Research</i> , 1992, 35, 373-383.	1.6	64
47	Look Who's Talking. <i>Journal of Speech, Language, and Hearing Research</i> , 1997, 40, 990-1001.	1.6	61
48	The neuropathology of developmental dysphasia: Behavioral, morphological, and physiological evidence for a pervasive temporal processing disorder. <i>Reading and Writing</i> , 1991, 3, 363-377.	1.7	60
49	Neural Mechanisms of Language-Based Learning Impairments: Insights from Human Populations and Animal Models. <i>Behavioral and Cognitive Neuroscience Reviews</i> , 2003, 2, 155-178.	3.9	59
50	Hormonal influences in developmental learning disabilities. <i>Psychoneuroendocrinology</i> , 1991, 16, 203-211.	2.7	58
51	Anticipatory Coarticulation in the Speech of Adults and Young Children. <i>Journal of Speech, Language, and Hearing Research</i> , 1991, 34, 1222-1232.	1.6	57
52	Fine-Grained Discrimination Deficits in Language-Learning Impaired Children Are Specific Neither to the Auditory Modality Nor To Speech Perception. <i>Journal of Speech, Language, and Hearing Research</i> , 1990, 33, 616-617.	1.6	56
53	Impaired Processing of Complex Auditory Stimuli in Rats with Induced Cerebrocortical Microgyria: An Animal Model of Developmental Language Disabilities. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 828-839.	2.3	56
54	Enhanced Syllable Discrimination Thresholds in Musicians. <i>PLoS ONE</i> , 2013, 8, e80546.	2.5	56

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55	Analysis of stop consonant production errors in developmentally dysphasic children. Journal of the Acoustical Society of America, 1979, 66, 1703-1712.	1.1	55
56	Language Learning Disabilities. Current Directions in Psychological Science, 2003, 12, 206-211.	5.3	54
57	Perceptual and Linguistic Factors in the Language Impairment of Developmental Dysphasics: An Experimental Investigation With the Token Test. Cortex, 1975, 11, 196-205.	2.4	48
58	Developmental language learning impairments. Development and Psychopathology, 2002, 14, 559-579.	2.3	47
59	Neurobiological Basis of Speech: A Case for the Preeminence of Temporal Processing. Irish Journal of Psychology, 1995, 16, 194-219.	0.2	46
60	Providing Instruction Based on Students' Learning Style Preferences Does Not Improve Learning. Frontiers in Psychology, 2020, 11, 164.	2.1	44
61	Language and reading: Some perceptual prerequisites. Bulletin of the Orton Society, 1980, 30, 170-178.	0.5	36
62	Language learning impairment: Integrating research and remediation. Scandinavian Journal of Psychology, 1998, 39, 197-199.	1.5	33
63	Auditory processing abilities in non-retarded adolescents and young adults with developmental receptive language disorder and autism. Brain and Language, 1992, 43, 613-622.	1.6	29
64	Conversations With Children Who Are Language Impaired. Journal of Speech, Language, and Hearing Research, 1993, 36, 973-978.	1.6	29
65	Language disabilities in children: Perceptual correlates. International Journal of Pediatric Otorhinolaryngology, 1981, 3, 1-13.	1.0	26
66	Evaluation of the efficacy of piracetam in treating information processing, reading and writing disorders in dyslexic children. International Journal of Psychophysiology, 1986, 4, 41-52.	1.0	26
67	Comprehension and expression of affect in language-impaired children. Journal of Psycholinguistic Research, 1993, 22, 445-452.	1.3	25
68	Increasing Genotype-Phenotype Model Determinism: Application to Bivariate Reading/Language Traits and Epistatic Interactions in Language-Impaired Families. Human Heredity, 2010, 70, 232-244.	0.8	24
69	Perceptual constancy for phonemic categories: a developmental study with normal and language impaired children. Applied Psycholinguistics, 1980, 1, 49-64.	1.1	23
70	A developmental, interactive activation model of the word superiority effect. Journal of Experimental Child Psychology, 1990, 49, 448-487.	1.4	23
71	Impaired two-tone processing at rapid rates in male rats with induced microgyria. Brain Research, 2000, 871, 94-97.	2.2	22
72	Does Modality Matter? The Effects of Reading, Listening, and Dual Modality on Comprehension. SAGE Open, 2016, 6, 215824401666955.	1.7	22

#	ARTICLE	IF	CITATIONS
73	Attentional Capabilities of Reading-Impaired Children during Dichotic Presentation of Phonetic and Complex Nonphonetic Sounds. <i>Cortex</i> , 1987, 23, 237-249.	2.4	18
74	Improving neural response to sound improves reading. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16406-16407.	7.1	17
75	A precise timing mechanism may underlie a common speech perception and production area in the peri-Sylvian cortex of the dominant hemisphere. <i>Behavioral and Brain Sciences</i> , 1983, 6, 219-220.	0.7	16
76	Selecting Language-Impaired Children for Research Studies: Insights from the San Diego Longitudinal Study. <i>Perceptual and Motor Skills</i> , 1990, 71, 1079-1089.	1.3	14
77	Left Hemisphere Specialization for Auditory Temporal Processing in Rats. <i>Annals of the New York Academy of Sciences</i> , 1993, 682, 346-347.	3.8	12
78	Children with Language Impairment Can Be Accurately Identified Using Temporal Processing Measures: A Response to Zhang and Tomblin, <i>Brain and Language</i> , 65, 395-403 (1998). <i>Brain and Language</i> , 1999, 69, 222-229.	1.6	12
79	Genetic Covariation Underlying Reading, Language and Related Measures in a Sample Selected for Specific Language Impairment. <i>Behavior Genetics</i> , 2011, 41, 651-659.	2.1	12
80	Fast ForWord®. <i>Progress in Brain Research</i> , 2013, 207, 175-207.	1.4	10
81	Neuroplasticity-Based Cognitive and Linguistic Skills Training Improves Reading and Writing Skills in College Students. <i>Frontiers in Psychology</i> , 2013, 4, 137.	2.1	10
82	Cognitive Abilities of Language-Delayed Children. <i>Journal of Psychology: Interdisciplinary and Applied</i> , 1983, 114, 9-19.	1.6	9
83	What happens when 'dyslexic' subjects do not meet the criteria for dyslexia and sensorimotor tasks are too difficult even for the controls?. <i>Developmental Science</i> , 2006, 9, 262-264.	2.4	9
84	Speech and other central auditory processes: insights from cognitive neuroscience. <i>Current Opinion in Neurobiology</i> , 1995, 5, 198-204.	4.2	8
85	Temporal processing as related to hemispheric specialization for speech perception in normal and language impaired populations. <i>Behavioral and Brain Sciences</i> , 1981, 4, 77-78.	0.7	7
86	Of bats and men. <i>Journal of Neurophysiology</i> , 2012, 108, 1545-1547.	1.8	6
87	Neurological and MRI profiles of children with developmental language impairment. <i>Developmental Medicine and Child Neurology</i> , 2000, 42, 470-475.	2.1	4
88	A Different View of "Auditory Processing Factors in Language Disorders". <i>The Journal of Speech and Hearing Disorders</i> , 1975, 40, 413-414.	1.3	4
89	A Novel Reinforcement Procedure for Use in Perceptual Experiments with Normal and Language-Impaired Children. <i>Perceptual and Motor Skills</i> , 1978, 47, 264-266.	1.3	3
90	Central Auditory Processing and Language Learning Impairments: Implications for Neuroplasticity Research. , 2005, , 355-385.		3

#	ARTICLE	IF	CITATIONS
91	Perceptual Prerequisites for Language Development <sup>11</sup> The research reported in this chapter was funded in part by an NINCDS contract number NS52 323. , 1983, , 97-106.		3
92	Naming and Gesture by Normal and Language-impaired Children: Evidence from a Modified Rapid Automatized Naming Test. Annals of the New York Academy of Sciences, 1993, 682, 359-362.	3.8	2
93	Sex and Hemispheric Differences for Rapid Auditory Processing in Normal Adults. Lateralità, 1999, 4, 39-50.	1.0	2
94	A case for auditory temporal processing as an evolutionary precursor to speech processing and language function. Behavioral and Brain Sciences, 1995, 18, 189-189.	0.7	1
95	Are developmental disabilities the same in children and adults?. Behavioral and Brain Sciences, 2002, 25, 768-769.	0.7	1
96	Language Learning Impairment. , 2015, , 344-352.		1
97	The Birth of Neuroplasticity Interventions: A Twenty Year Perspective. Literacy Studies, 2018, , 299-322.	0.3	1
98	The Neuropathology of Developmental Dysphasia: Behavioral, Morphological, and Physiological Evidence for a Pervasive Temporal Processing Disorder. Neuropsychology and Cognition, 1991, , 175-189.	0.6	1
99	Quantification of Language Abilities in Children. Speech and Language: Advances in Basic Research and Practice, 1982, , 149-184.	0.1	1
100	ACOUSTIC CODING OF SPEECH AND NORMAL LIMITS ON TRANSFER OF INFORMATION: DISCUSSION PAPER. Annals of the New York Academy of Sciences, 1983, 405, 64-65.	3.8	0
101	On the ontogeny of combination-sensitive neurons in speech perception. Behavioral and Brain Sciences, 1998, 21, 280-281.	0.7	0
102	Speaking for Language-Impaired Children. Journal of the International Neuropsychological Society, 2000, 6, 372-373.	1.8	0
103	Dysphasia, Developmental. , 1989, , 50-52.		0