

# Paula Tallal

## List of Publications by Year in descending order

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103  
papers

12,566  
citations

31902

53  
h-index

38300

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. <i>Brain and Language</i> , 1980, 9, 182-198.	0.8	1,244
2	Neurobiological Basis of Speech: A Case for the Preeminence of Temporal Processing. <i>Annals of the New York Academy of Sciences</i> , 1993, 682, 27-47.	1.8	716
3	Defects of Non-Verbal Auditory Perception in Children with Developmental Aphasia. <i>Nature</i> , 1973, 241, 468-469.	13.7	677
4	Neural deficits in children with dyslexia ameliorated by behavioral remediation: Evidence from functional MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2860-2865.	3.3	635
5	Developmental aphasia: impaired rate of non-verbal processing as a function of sensory modality. <i>Neuropsychologia</i> , 1973, 11, 389-398.	0.7	564
6	Developmental aphasia: Rate of auditory processing and selective impairment of consonant perception. <i>Neuropsychologia</i> , 1974, 12, 83-93.	0.7	508
7	Selection of Children with Specific Language Deficits. <i>The Journal of Speech and Hearing Disorders</i> , 1981, 46, 114-122.	1.3	417
8	Developmental aphasia: The perception of brief vowels and extended stop consonants. <i>Neuropsychologia</i> , 1975, 13, 69-74.	0.7	379
9	Improving language and literacy is a matter of time. <i>Nature Reviews Neuroscience</i> , 2004, 5, 721-728.	4.9	379
10	Impairment of auditory perception and language comprehension in dysphasia. <i>Brain and Language</i> , 1978, 5, 13-24.	0.8	342
11	Disrupted neural responses to phonological and orthographic processing in dyslexic children: an fMRI study. <i>NeuroReport</i> , 2001, 12, 299-307.	0.6	338
12	Infant discrimination of rapid auditory cues predicts later language impairment. <i>Behavioural Brain Research</i> , 2002, 136, 31-49.	1.2	332
13	Dynamic auditory processing, musical experience and language development. <i>Trends in Neurosciences</i> , 2006, 29, 382-390.	4.2	273
14	Identification of language-impaired children on the basis of rapid perception and production skills. <i>Brain and Language</i> , 1985, 25, 314-322.	0.8	270
15	Familial Aggregation in Specific Language Impairment. <i>The Journal of Speech and Hearing Disorders</i> , 1989, 54, 167-173.	1.3	269
16	The Neurobiology of Sensory and Language Processing in Language-Impaired Children. <i>Journal of Cognitive Neuroscience</i> , 1993, 5, 235-253.	1.1	268
17	Speech acoustic cue discrimination abilities of normally developing and language-impaired children. <i>Journal of the Acoustical Society of America</i> , 1981, 69, 568-574.	0.5	248
18	Different Origin of Auditory and Phonological Processing Problems in Children With Language Impairment. <i>Journal of Speech, Language, and Hearing Research</i> , 1999, 42, 155-168.	0.7	245

#	ARTICLE	IF	CITATIONS
19	Relations between the Neural Bases of Dynamic Auditory Processing and Phonological Processing: Evidence from fMRI. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 687-697.	1.1	217
20	NEUROBIOLOGY OF SPEECH PERCEPTION. <i>Annual Review of Neuroscience</i> , 1997, 20, 331-353.	5.0	214
21	A Major Susceptibility Locus for Specific Language Impairment Is Located on 13q21. <i>American Journal of Human Genetics</i> , 2002, 71, 45-55.	2.6	195
22	LATE CHILDHOOD CHANGES IN BRAIN MORPHOLOGY OBSERVABLE WITH MRI. <i>Developmental Medicine and Child Neurology</i> , 1990, 32, 379-385.	1.1	175
23	The relationship between auditory temporal analysis and receptive language development: Evidence from studies of developmental language disorder. <i>Neuropsychologia</i> , 1985, 23, 527-534.	0.7	172
24	Rapid Auditory Processing in Normal and Disordered Language Development. <i>Journal of Speech and Hearing Research</i> , 1976, 19, 561-571.	0.7	162
25	Functional lateralization for auditory temporal processing in male and female rats.. <i>Behavioral Neuroscience</i> , 1993, 107, 844-850.	0.6	146
26	Language, Learning, and Behavioral Disturbances in Childhood: A Longitudinal Perspective. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 1993, 32, 585-594.	0.3	137
27	Temporal processing, speech perception and hemispheric asymmetry. <i>Trends in Neurosciences</i> , 1980, 3, 309-311.	4.2	131
28	Matching learning style to instructional method: Effects on comprehension.. <i>Journal of Educational Psychology</i> , 2015, 107, 64-78.	2.1	123
29	A Reexamination of Some Nonverbal Perceptual Abilities of Language-Impaired and Normal Children as a Function of Age and Sensory Modality. <i>Journal of Speech, Language, and Hearing Research</i> , 1981, 24, 351-357.	0.7	120
30	Unexpected sex-ratios in families of language/learning-impaired children. <i>Neuropsychologia</i> , 1989, 27, 987-998.	0.7	114
31	Neurological status of language-impaired and normal children. <i>Annals of Neurology</i> , 1981, 10, 159-163.	2.8	104
32	Temporal or phonetic processing deficit in dyslexia? That is the question. <i>Applied Psycholinguistics</i> , 1984, 5, 167-169.	0.8	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. <i>Human Heredity</i> , 2004, 57, 10-20.	0.4	97
34	Four-year follow-up study of language impaired children. <i>Annals of Dyslexia</i> , 1984, 34, 49-68.	1.2	95
35	Neurological and MRI profiles of children with developmental language impairment. <i>Developmental Medicine and Child Neurology</i> , 2000, 42, 470-475.	1.1	95
36	Specific Language Impairment in Families. <i>Journal of Speech, Language, and Hearing Research</i> , 2003, 46, 530-543.	0.7	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.	0.8	76
38	Familial Aggregation in Specific Language Impairment. <i>Journal of Speech, Language, and Hearing Research</i> , 2001, 44, 1172-1182.	0.7	76
39	Developmental dysphasia: Relation between acoustic processing deficits and verbal processing. <i>Neuropsychologia</i> , 1980, 18, 273-284.	0.7	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.	1.2	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.	0.8	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.	0.6	68
44	Verbal learning and memory in language impaired children. <i>Neuropsychologia</i> , 1992, 30, 451-458.	0.7	66
45	Behavioral/emotional profiles of preschool language-impaired children. <i>Development and Psychopathology</i> , 1989, 1, 51-67.	1.4	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.	0.7	64
47	Look Who's Talking. <i>Journal of Speech, Language, and Hearing Research</i> , 1997, 40, 990-1001.	0.7	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.	1.0	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.	1.3	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.	0.7	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.	0.7	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.	1.1	56
54	Enhanced Syllable Discrimination Thresholds in Musicians. <i>PLoS ONE</i> , 2013, 8, e80546.	1.1	56

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55	Analysis of stop consonant production errors in developmentally dysphasic children. <i>Journal of the Acoustical Society of America</i> , 1979, 66, 1703-1712.	0.5	55
56	Language Learning Disabilities. <i>Current Directions in Psychological Science</i> , 2003, 12, 206-211.	2.8	54
57	Perceptual and Linguistic Factors in the Language Impairment of Developmental Dysphasics: An Experimental Investigation With the Token Test. <i>Cortex</i> , 1975, 11, 196-205.	1.1	48
58	Developmental language learning impairments. <i>Development and Psychopathology</i> , 2002, 14, 559-579.	1.4	47
59	Neurobiological Basis of Speech: A Case for the Preeminence of Temporal Processing. <i>Irish Journal of Psychology</i> , 1995, 16, 194-219.	0.2	46
60	Providing Instruction Based on Students' Learning Style Preferences Does Not Improve Learning. <i>Frontiers in Psychology</i> , 2020, 11, 164.	1.1	44
61	Language and reading: Some perceptual prerequisites. <i>Bulletin of the Orton Society</i> , 1980, 30, 170-178.	0.5	36
62	Language learning impairment: Integrating research and remediation. <i>Scandinavian Journal of Psychology</i> , 1998, 39, 197-199.	0.8	33
63	Auditory processing abilities in non-retarded adolescents and young adults with developmental receptive language disorder and autism. <i>Brain and Language</i> , 1992, 43, 613-622.	0.8	29
64	Conversations With Children Who Are Language Impaired. <i>Journal of Speech, Language, and Hearing Research</i> , 1993, 36, 973-978.	0.7	29
65	Language disabilities in children: Perceptual correlates. <i>International Journal of Pediatric Otorhinolaryngology</i> , 1981, 3, 1-13.	0.4	26
66	Evaluation of the efficacy of piracetam in treating information processing, reading and writing disorders in dyslexic children. <i>International Journal of Psychophysiology</i> , 1986, 4, 41-52.	0.5	26
67	Comprehension and expression of affect in language-impaired children. <i>Journal of Psycholinguistic Research</i> , 1993, 22, 445-452.	0.7	25
68	Increasing Genotype-Phenotype Model Determinism: Application to Bivariate Reading/Language Traits and Epistatic Interactions in Language-Impaired Families. <i>Human Heredity</i> , 2010, 70, 232-244.	0.4	24
69	Perceptual constancy for phonemic categories: a developmental study with normal and language impaired children. <i>Applied Psycholinguistics</i> , 1980, 1, 49-64.	0.8	23
70	A developmental, interactive activation model of the word superiority effect. <i>Journal of Experimental Child Psychology</i> , 1990, 49, 448-487.	0.7	23
71	Impaired two-tone processing at rapid rates in male rats with induced microgyria. <i>Brain Research</i> , 2000, 871, 94-97.	1.1	22
72	Does Modality Matter? The Effects of Reading, Listening, and Dual Modality on Comprehension. <i>SAGE Open</i> , 2016, 6, 215824401666955.	0.8	22

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73	Attentional Capabilities of Reading-Impaired Children during Dichotic Presentation of Phonetic and Complex Nonphonetic Sounds. <i>Cortex</i> , 1987, 23, 237-249.	1.1	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.	3.3	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.	0.4	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.	0.6	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.	1.8	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.	0.8	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.	1.4	12
80	Fast ForWord®. <i>Progress in Brain Research</i> , 2013, 207, 175-207.	0.9	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.	1.1	10
82	Cognitive Abilities of Language-Delayed Children. <i>Journal of Psychology: Interdisciplinary and Applied</i> , 1983, 114, 9-19.	0.9	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.	1.3	9
84	Speech and other central auditory processes: insights from cognitive neuroscience. <i>Current Opinion in Neurobiology</i> , 1995, 5, 198-204.	2.0	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.	0.4	7
86	Of bats and men. <i>Journal of Neurophysiology</i> , 2012, 108, 1545-1547.	0.9	6
87	Neurological and MRI profiles of children with developmental language impairment. <i>Developmental Medicine and Child Neurology</i> , 2000, 42, 470-475.	1.1	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.	0.6	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 Development11The 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.	1.8	2
93	Sex and Hemispheric Differences for Rapid Auditory Processing in Normal Adults. Laterality, 1999, 4, 39-50.	0.5	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.	0.4	1
95	Are developmental disabilities the same in children and adults?. Behavioral and Brain Sciences, 2002, 25, 768-769.	0.4	1
96	Language Learning Impairment. , 2015, , 344-352.		1
97	The Birth of Neuroplasticity Interventions: A Twenty Year Perspective. Literacy Studies, 2018, , 299-322.	0.2	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.	1.8	0
101	On the ontogeny of combination-sensitive neurons in speech perception. Behavioral and Brain Sciences, 1998, 21, 280-281.	0.4	0
102	Speaking for Language-Impaired Children. Journal of the International Neuropsychological Society, 2000, 6, 372-373.	1.2	0
103	Dysphasia, Developmental. , 1989, , 50-52.		0