

Patricia K Kuhl

List of Publications by Citations

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104
papers

14,786
citations

55
h-index

116
g-index

116
ext. papers

16,602
ext. citations

5.3
avg, IF

7.04
L-index

#	Paper	IF	Citations
104	Birdsong and human speech: common themes and mechanisms. <i>Annual Review of Neuroscience</i> , 1999 , 22, 567-631	17	1303
103	Early language acquisition: cracking the speech code. <i>Nature Reviews Neuroscience</i> , 2004 , 5, 831-43	13.5	1155
102	Foreign-language experience in infancy: effects of short-term exposure and social interaction on phonetic learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9096-101	11.5	748
101	Human adults and human infants show a "perceptual magnet effect" for the prototypes of speech categories, monkeys do not. <i>Perception & Psychophysics</i> , 1991 , 50, 93-107		676
100	Acoustic determinants of infant preference for motherese speech 1987 , 10, 279-293		562
99	Foundations for a new science of learning. <i>Science</i> , 2009 , 325, 284-8	33.3	491
98	Infants show a facilitation effect for native language phonetic perception between 6 and 12 months. <i>Developmental Science</i> , 2006 , 9, F13-F21	4.5	477
97	Phonetic learning as a pathway to language: new data and native language magnet theory expanded (NLM-e). <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 979-1000	5.8	473
96	Is speech learning 'gated' by the social brain?. <i>Developmental Science</i> , 2007 , 10, 110-20	4.5	450
95	Brain mechanisms in early language acquisition. <i>Neuron</i> , 2010 , 67, 713-27	13.9	439
94	Speech perception in infancy predicts language development in the second year of life: a longitudinal study. <i>Child Development</i> , 2004 , 75, 1067-84	4.9	388
93	A perceptual interference account of acquisition difficulties for non-native phonemes. <i>Cognition</i> , 2003 , 87, B47-57	3.5	349
92	Infant vocalizations in response to speech: vocal imitation and developmental change. <i>Journal of the Acoustical Society of America</i> , 1996 , 100, 2425-38	2.2	335
91	Speech perception by the chinchilla: identification function for synthetic VOT stimuli. <i>Journal of the Acoustical Society of America</i> , 1978 , 63, 905-17	2.2	332
90	Links between social and linguistic processing of speech in preschool children with autism: behavioral and electrophysiological measures. <i>Developmental Science</i> , 2005 , 8, F1-F12	4.5	319
89	Maternal speech to infants in a tonal language: Support for universal prosodic features in motherese.. <i>Developmental Psychology</i> , 1988 , 24, 14-20	3.7	315
88	Brain potentials to native and non-native speech contrasts in 7- and 11-month-old American infants. <i>Developmental Science</i> , 2005 , 8, 162-72	4.5	254

87	An association between mothers' speech clarity and infants' speech discrimination skills. <i>Developmental Science</i> , 2003 , 6, F1-F10	4.5	250
86	Speech perception in early infancy: perceptual constancy for spectrally dissimilar vowel categories. <i>Journal of the Acoustical Society of America</i> , 1979 , 66, 1668-79	2.2	229
85	Mapping the perceptual magnet effect for speech using signal detection theory and multidimensional scaling. <i>Journal of the Acoustical Society of America</i> , 1995 , 97, 553-62	2.2	217
84	Early Speech Perception and Later Language Development: Implications for the "Critical Period". <i>Language Learning and Development</i> , 2005 , 1, 237-264	1.3	200
83	Enhanced discriminability at the phonetic boundaries for the place feature in macaques. <i>Journal of the Acoustical Society of America</i> , 1983 , 73, 1003-10	2.2	196
82	Infant speech perception activates Broca's area: a developmental magnetoencephalography study. <i>NeuroReport</i> , 2006 , 17, 957-62	1.7	194
81	Learning and representation in speech and language. <i>Current Opinion in Neurobiology</i> , 1994 , 4, 812-22	7.6	186
80	Perception of auditory equivalence classes for speech in early infancy 1983 , 6, 263-285		182
79	Look who's talking: speech style and social context in language input to infants are linked to concurrent and future speech development. <i>Developmental Science</i> , 2014 , 17, 880-91	4.5	174
78	Discrimination of speech by nonhuman animals: Basic auditory sensitivities conducive to the perception of speech-sound categories. <i>Journal of the Acoustical Society of America</i> , 1981 , 70, 340-349	2.2	168
77	Language experienced in utero affects vowel perception after birth: a two-country study. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2013 , 102, 156-60	3.1	167
76	Socioeconomic status predicts hemispheric specialisation of the left inferior frontal gyrus in young children. <i>NeuroImage</i> , 2008 , 40, 1392-401	7.9	163
75	Infants' brain responses to speech suggest analysis by synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11238-45	11.5	160
74	Neural substrates of language acquisition. <i>Annual Review of Neuroscience</i> , 2008 , 31, 511-34	17	158
73	Bilingual language learning: An ERP study relating early brain responses to speech, language input, and later word production. <i>Journal of Phonetics</i> , 2011 , 39, 546-557	2.2	153
72	Enhanced discriminability at the phonetic boundaries for the voicing feature in macaques. <i>Perception & Psychophysics</i> , 1982 , 32, 542-50		134
71	Effects of language experience: neural commitment to language-specific auditory patterns. <i>NeuroImage</i> , 2005 , 26, 703-20	7.9	124
70	Speech discrimination in 11-month-old bilingual and monolingual infants: a magnetoencephalography study. <i>Developmental Science</i> , 2017 , 20, e12427	4.5	117

69	Relationships between quantity of language input and brain responses in bilingual and monolingual infants. <i>International Journal of Psychophysiology</i> , 2016 , 110, 1-17	2.9	112
68	Early Speech Perception and Later Language Development: Implications for the "Critical Period". <i>Language Learning and Development</i> , 2005 , 1, 237-264	1.3	111
67	Categorization of speech by infants: Support for speech-sound prototypes.. <i>Developmental Psychology</i> , 1989 , 25, 577-588	3.7	108
66	Sustained and transient language control in the bilingual brain. <i>NeuroImage</i> , 2009 , 47, 414-22	7.9	102
65	Perception of native and non-native affricate-fricative contrasts: cross-language tests on adults and infants. <i>Journal of the Acoustical Society of America</i> , 2006 , 120, 2285-94	2.2	94
64	Musical intervention enhances infants' neural processing of temporal structure in music and speech. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5212-7	11.5	91
63	Neural signatures of phonetic learning in adulthood: a magnetoencephalography study. <i>NeuroImage</i> , 2009 , 46, 226-40	7.9	90
62	Perceptual strategies in prelingual speech segmentation. <i>Journal of Child Language</i> , 1993 , 20, 229-52	2.3	85
61	The Impact of Early Social Interactions on Later Language Development in Spanish-English Bilingual Infants. <i>Child Development</i> , 2017 , 88, 1216-1234	4.9	82
60	Cross-modal speech perception in adults and infants using nonspeech auditory stimuli.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1991 , 17, 829-840	2.6	76
59	Influences of phonetic identification and category goodness on American listeners' perception of /r/ and /l/. <i>Journal of the Acoustical Society of America</i> , 1996 , 99, 1130-40	2.2	71
58	Quantifying the adequacy of neural representations for a cross-language phonetic discrimination task: prediction of individual differences. <i>Cerebral Cortex</i> , 2010 , 20, 1-12	5.1	70
57	Human speech and birdsong: communication and the social brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9645-6	11.5	66
56	Investigating the role of infant-directed speech with a computer model. <i>Acoustics Research Letters Online: ARLO</i> , 2003 , 4, 129-134		65
55	Neural patterns to speech and vocabulary growth in American infants. <i>NeuroReport</i> , 2005 , 16, 495-8	1.7	65
54	An event-related brain potential study of sentence comprehension in preschoolers: semantic and morphosyntactic processing. <i>Cognitive Brain Research</i> , 2005 , 23, 247-58		58
53	Two are better than one: Infant language learning from video improves in the presence of peers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9859-9866	11.5	58
52	Age-related changes in acoustic modifications of Mandarin maternal speech to preverbal infants and five-year-old children: a longitudinal study. <i>Journal of Child Language</i> , 2009 , 36, 909-22	2.3	57

51	Perceptual magnet and phoneme boundary effects in speech perception: do they arise from a common mechanism?. <i>Perception & Psychophysics</i> , 2000 , 62, 874-86		56
50	Early Language Learning and Literacy: Neuroscience Implications for Education. <i>Mind, Brain, and Education</i> , 2011 , 5, 128-142	1.8	55
49	Acoustic analysis of lexical tone in Mandarin infant-directed speech. <i>Developmental Psychology</i> , 2007 , 43, 912-7	3.7	53
48	Brain responses to words in 2-year-olds with autism predict developmental outcomes at age 6. <i>PLoS ONE</i> , 2013 , 8, e64967	3.7	52
47	Impact of second-language experience in infancy: brain measures of first- and second-language speech perception. <i>Developmental Science</i> , 2011 , 14, 242-8	4.5	52
46	Early gray-matter and white-matter concentration in infancy predict later language skills: a whole brain voxel-based morphometry study. <i>Brain and Language</i> , 2013 , 124, 34-44	2.9	50
45	Theta brain rhythms index perceptual narrowing in infant speech perception. <i>Frontiers in Psychology</i> , 2013 , 4, 690	3.4	50
44	Parent coaching increases conversational turns and advances infant language development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3484-3491	11.5	47
43	Magnetoencephalography is feasible for infant assessment of auditory discrimination. <i>Experimental Neurology</i> , 2004 , 190 Suppl 1, S44-51	5.7	44
42	Cognitive control factors in speech perception at 11 months. <i>Developmental Psychology</i> , 2008 , 44, 1505-17	3.7	43
41	Neuroimaging of the bilingual brain: Structural brain correlates of listening and speaking in a second language. <i>Brain and Language</i> , 2016 , 162, 1-9	2.9	43
40	Brain white matter structure and COMT gene are linked to second-language learning in adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7249-54	11.5	37
39	Sentence processing in 30-month-old children: an event-related potential study. <i>NeuroReport</i> , 2005 , 16, 645-8	1.7	36
38	Social Interaction in Infants' Learning of Second-Language Phonetics: An Exploration of Brain-Behavior Relations. <i>Developmental Neuropsychology</i> , 2015 , 40, 216-29	1.8	32
37	Parent coaching at 6 and 10 months improves language outcomes at 14 months: A randomized controlled trial. <i>Developmental Science</i> , 2019 , 22, e12762	4.5	29
36	Look Who's Talking NOW! Parentese Speech, Social Context, and Language Development Across Time. <i>Frontiers in Psychology</i> , 2017 , 8, 1008	3.4	28
35	Language/Culture/Mind/Brain. <i>Annals of the New York Academy of Sciences</i> , 2006 , 935, 136-174	6.5	28
34	Right Forceps Minor and Anterior Thalamic Radiation Predict Executive Function Skills in Young Bilingual Adults. <i>Frontiers in Psychology</i> , 2018 , 9, 118	3.4	26

33	Linguistic effect on speech perception observed at the brainstem. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8716-8721	11.5	23
32	Psychoacoustics and speech perception: Internal standards, perceptual anchors, and prototypes. 293-332		21
31	Age-specific average head template for typically developing 6-month-old infants. <i>PLoS ONE</i> , 2013 , 8, e73821	3.7	19
30	Early Language Learning and the Social Brain. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2014 , 79, 211-20	3.9	18
29	Infant-directed speech in English and Spanish: Assessments of monolingual and bilingual caregiver VOT. <i>Journal of Phonetics</i> , 2017 , 63, 19-34	2.2	17
28	Mental addition in bilinguals: an fMRI study of task-related and performance-related activation. <i>Cerebral Cortex</i> , 2012 , 22, 1851-61	5.1	17
27	Principal component analyses and scalp distribution of the auditory P150-250 and N250-550 to speech contrasts in Mexican and American infants. <i>Developmental Neuropsychology</i> , 2007 , 31, 363-78	1.8	17
26	Clarifying the associations between language and social development in autism: a study of non-native phoneme recognition. <i>Journal of Autism and Developmental Disorders</i> , 2007 , 37, 1256-63	4.6	16
25	Grammatical processing without semantics? An event-related brain potential study of preschoolers using jabberwocky sentences. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 1050-65	3.1	14
24	Neuroscience. Who's talking?. <i>Science</i> , 2011 , 333, 529-30	33.3	12
23	Cracking the speech code: How infants learn language. <i>Acoustical Science and Technology</i> , 2007 , 28, 71-83.5	8.5	12
22	On handedness in primates and human infants. <i>Behavioral and Brain Sciences</i> , 1988 , 11, 727-729	0.9	9
21	Bilingual Baby: Foreign Language Intervention in Madrid's Infant Education Centers. <i>Mind, Brain, and Education</i> , 2017 , 11, 133-143	1.8	8
20	Mothers say "baby" and their newborns do not choose to listen: a behavioral preference study to compare with ERP results. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 153	3.3	8
19	Foundations and Opportunities for an Interdisciplinary Science of Learning 2005 , 19-34		8
18	2. Event-related potential studies of early language processing at the phoneme, word, and sentence levels. <i>Trends in Language Acquisition Research</i> , 2008 , 23-64	0.2	8
17	Effects of formant proximity and stimulus prototypicality on the neural discrimination of vowels: Evidence from the auditory frequency-following response. <i>Brain and Language</i> , 2019 , 194, 77-83	2.9	7
16	Event-related potentials to an english/spanish syllabic contrast in mexican 10-13-month-old infants. <i>ISRN Neurology</i> , 2012 , 2012, 702986		7

15	Social Mechanisms in Early Language Acquisition: Understanding Integrated Brain Systems Supporting Language 2011 ,		6
14	Using magnetoencephalography to examine word recognition, lateralization, and future language skills in 14-month-old infants. <i>Developmental Cognitive Neuroscience</i> , 2021 , 47, 100901	5.5	5
13	Neuroplasticity, bilingualism, and mental mathematics: A behavior-MEG study. <i>Brain and Cognition</i> , 2019 , 134, 122-134	2.7	4
12	Social Interaction and Language Acquisition 2017 , 615-634		4
11	Infants' neural speech discrimination predicts individual differences in grammar ability at 6 years of age and their risk of developing speech-language disorders. <i>Developmental Cognitive Neuroscience</i> , 2021 , 48, 100949	5.5	4
10	Exposure to a second language in infancy alters speech production. <i>Bilingualism</i> , 2020 , 23, 1-14	3.2	3
9	Early Second Language Learning through SparkLing—Scaling up a Language Intervention in Infant Education Centers. <i>Mind, Brain, and Education</i> , 2020 , 14, 94-103	1.8	3
8	Designing Virtual, Moderated Studies of Early Childhood Development. <i>Frontiers in Psychology</i> , 2021 , 12, 740290	3.4	3
7	Comparing Automatic and Manual Measures of Parent-Infant Conversational Turns: A Word of Caution. <i>Child Development</i> , 2021 , 92, 672-681	4.9	3
6	Auditory deficits in infants at risk for dyslexia during a linguistic sensitive period predict future language. <i>NeuroImage: Clinical</i> , 2021 , 30, 102578	5.3	2
5	Development of infants' neural speech processing and its relation to later language skills: an MEG study		2
4	Effects of enriched auditory experience on infants' speech perception during the first year of life. <i>Prospects</i> , 2016 , 46, 235-247	4.8	1
3	Strength of Ventral Tegmental Area Connections With Left Caudate Nucleus Is Related to Conflict Monitoring. <i>Frontiers in Psychology</i> , 2019 , 10, 2869	3.4	1
2	Infant Speech Perception 2021 , 113-158		1
1	Development of infants' neural speech processing and its relation to later language skills: an MEG study.. <i>NeuroImage</i> , 2022 , 119242	7.9	0