

# Howard C Nusbaum

## List of Publications by Year in descending order

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129  
papers

8,378  
citations

61984

43  
h-index

49909

87  
g-index

152  
all docs

152  
docs citations

152  
times ranked

5807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recursive syntactic pattern learning by songbirds. <i>Nature</i> , 2006, 440, 1204-1207.	27.8	634
2	Explaining Math: Gesturing Lightens the Load. <i>Psychological Science</i> , 2001, 12, 516-522.	3.3	600
3	Consolidation during sleep of perceptual learning of spoken language. <i>Nature</i> , 2003, 425, 614-616.	27.8	416
4	What Are You Feeling? Using Functional Magnetic Resonance Imaging to Assess the Modulation of Sensory and Affective Responses during Empathy for Pain. <i>PLoS ONE</i> , 2007, 2, e1292.	2.5	352
5	Hearing Lips and Seeing Voices: How Cortical Areas Supporting Speech Production Mediate Audiovisual Speech Perception. <i>Cerebral Cortex</i> , 2007, 17, 2387-2399.	2.9	341
6	Listening to talking faces: motor cortical activation during speech perception. <i>NeuroImage</i> , 2005, 25, 76-89.	4.2	320
7	Speech-associated gestures, Broca's area, and the human mirror system. <i>Brain and Language</i> , 2007, 101, 260-277.	1.6	259
8	In the Eye of the Beholder: Individual Differences in Perceived Social Isolation Predict Regional Brain Activation to Social Stimuli. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 83-92.	2.3	250
9	Speech perception, word recognition and the structure of the lexicon. <i>Speech Communication</i> , 1985, 4, 75-95.	2.8	201
10	Some Effects of Training on the Perception of Synthetic Speech. <i>Human Factors</i> , 1985, 27, 395-408.	3.5	197
11	Probing the mental representation of gesture: Is handwaving spatial?. <i>Journal of Memory and Language</i> , 2004, 50, 395-407.	2.1	195
12	Analog acoustic expression in speech communication. <i>Journal of Memory and Language</i> , 2006, 55, 167-177.	2.1	182
13	Sports experience changes the neural processing of action language. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13269-13273.	7.1	177
14	Task-dependent organization of brain regions active during rest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10841-10846.	7.1	168
15	Effects of training on attention to acoustic cues. <i>Perception &amp; Psychophysics</i> , 2000, 62, 1668-1680.	2.3	159
16	Acoustic differences, listener expectations, and the perceptual accommodation of talker variability. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2007, 33, 391-409.	0.9	145
17	The Science of Wisdom in a Polarized World: Knowns and Unknowns. <i>Psychological Inquiry</i> , 2020, 31, 103-133.	0.9	142
18	Consolidating the Effects of Waking and Sleep on Motor-Sequence Learning. <i>Journal of Neuroscience</i> , 2010, 30, 13977-13982.	3.6	135

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19	Speech perception as an active cognitive process. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 35.	2.5	134
20	Just because you're imaging the brain doesn't mean you can stop using your head: A primer and set of first principles.. <i>Journal of Personality and Social Psychology</i> , 2003, 85, 650-661.	2.8	132
21	Perceptual learning of synthetic speech produced by rule.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1988, 14, 421-433.	0.9	130
22	The Absorption Hypothesis: Learning to Hear God in Evangelical Christianity. <i>American Anthropologist</i> , 2010, 112, 66-78.	1.4	116
23	Selective attention and the acquisition of new phonetic categories.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002, 28, 349-366.	0.9	115
24	Abstract Coding of Audiovisual Speech: BeyondÂSensory Representation. <i>Neuron</i> , 2007, 56, 1116-1126.	8.1	113
25	Gestures Orchestrate Brain Networks for Language Understanding. <i>Current Biology</i> , 2009, 19, 661-667.	3.9	109
26	Selective attention and the acquisition of new phonetic categories.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002, 28, 349-366.	0.9	106
27	Neuroimaging as a New Tool in the Toolbox of Psychological Science. <i>Current Directions in Psychological Science</i> , 2008, 17, 62-67.	5.3	91
28	Neural Bases of Talker Normalization. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 1173-1184.	2.3	89
29	Phonological priming in auditory word recognition.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1987, 13, 64-75.	0.9	76
30	Auditory-Motor Expertise Alters â€œSpeech Selectivityâ€•in Professional Musicians and Actors. <i>Cerebral Cortex</i> , 2011, 21, 938-948.	2.9	76
31	Reduced false memory after sleep. <i>Learning and Memory</i> , 2009, 16, 509-513.	1.3	74
32	Processing interactions between segmental and suprasegmental information in native speakers of English and Mandarin Chinese. <i>Perception &amp; Psychophysics</i> , 1993, 53, 157-165.	2.3	72
33	Brain Networks Subserving the Extraction of Sentence Information and Its Encoding to Memory. <i>Cerebral Cortex</i> , 2007, 17, 2899-2913.	2.9	70
34	Emotional language processing: How mood affects integration processes during discourse comprehension. <i>Brain and Language</i> , 2012, 122, 199-210.	1.6	67
35	The role of personal experience in the neural processing of action-related language. <i>Brain and Language</i> , 2010, 112, 214-222.	1.6	66
36	Effects of intelligibility on working memory demand for speech perception. <i>Attention, Perception, and Psychophysics</i> , 2009, 71, 1360-1374.	1.3	62

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37	The sound of motion in spoken language: Visual information conveyed by acoustic properties of speech. <i>Cognition</i> , 2007, 105, 681-690.	2.2	60
38	Constraints on the perception of synthetic speech generated by rule. <i>Behavior Research Methods</i> , 1985, 17, 235-242.	1.3	57
39	Repetition Suppression for Spoken Sentences and the Effect of Task Demands. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 2013-2029.	2.3	57
40	PRONOUNCE: a program for pronunciation by analogy. <i>Computer Speech and Language</i> , 1991, 5, 55-64.	4.3	55
41	Of cricket chirps and car horns: The effect of nature sounds on cognitive performance. <i>Psychonomic Bulletin and Review</i> , 2019, 26, 522-530.	2.8	53
42	Film music influences how viewers relate to movie characters.. <i>Psychology of Aesthetics, Creativity, and the Arts</i> , 2011, 5, 146-153.	1.3	49
43	“Lord, Teach Us to Pray” Prayer Practice Affects Cognitive Processing. <i>Journal of Cognition and Culture</i> , 2013, 13, 159-177.	0.4	49
44	Sleep-Dependent Consolidation of Auditory Discrimination Learning in Adult Starlings. <i>Journal of Neuroscience</i> , 2010, 30, 609-613.	3.6	47
45	Effects of Training on the Acousticâ€“Phonetic Representation of Synthetic Speech. <i>Journal of Speech, Language, and Hearing Research</i> , 2007, 50, 1445-1465.	1.6	44
46	Effects of Speech Rate and Pitch Contour on the Perception of Synthetic Speech. <i>Human Factors</i> , 1985, 27, 701-712.	3.5	43
47	When Less is Heard than Meets the Ear: Change Deafness in a Telephone Conversation. <i>Quarterly Journal of Experimental Psychology</i> , 2011, 64, 1442-1456.	1.1	43
48	Consolidation of sensorimotor learning during sleep. <i>Learning and Memory</i> , 2008, 15, 815-819.	1.3	41
49	Detection of deception using fMRI: Better than chance, but well below perfection. <i>Social Neuroscience</i> , 2009, 4, 528-538.	1.3	40
50	Auditory working memory predicts individual differences in absolute pitch learning. <i>Cognition</i> , 2015, 140, 95-110.	2.2	40
51	Lending a helping hand to hearing: another motor theory of speech perception. , 2006, , 250-286.		39
52	Visual cortex entrains to sign language. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6352-6357.	7.1	39
53	Contextual effects in vowel perception I: Anchor-induced contrast effects. <i>Perception &amp; Psychophysics</i> , 1979, 25, 292-302.	2.3	38
54	The promise of environmental neuroscience. <i>Nature Human Behaviour</i> , 2019, 3, 414-417.	12.0	38

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55	Sleep Consolidation of Interfering Auditory Memories in Starlings. <i>Psychological Science</i> , 2013, 24, 439-447.	3.3	36
56	Transitions in learning: Evidence for simultaneously activated strategies.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1993, 19, 92-107.	0.9	36
57	On the neurobiological investigation of language understanding in context. <i>Brain and Language</i> , 2004, 89, 300-311.	1.6	35
58	Contextual effects in vowel perception II: Evidence for two processing mechanisms. <i>Perception &amp; Psychophysics</i> , 1980, 27, 421-434.	2.3	34
59	Improving the analysis, storage and sharing of neuroimaging data using relational databases and distributed computing. <i>NeuroImage</i> , 2008, 39, 693-706.	4.2	33
60	Absolute Pitch May Not Be So Absolute. <i>Psychological Science</i> , 2013, 24, 1496-1502.	3.3	33
61	The Role of Attention and Active Processing in Speech Perception. , 1986, , 113-157.		32
62	Language: the perspective from organismal biology. <i>Trends in Cognitive Sciences</i> , 2009, 13, 505-510.	7.8	31
63	Neural correlates of wishful thinking. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 991-1000.	3.0	31
64	Hemispheric Involvement in the Perception of Syntactic Prosody Is Dynamically Dependent on Task Demands. <i>Brain and Language</i> , 1998, 65, 313-332.	1.6	29
65	Sleep restores loss of generalized but not rote learning of synthetic speech. <i>Cognition</i> , 2013, 128, 280-286.	2.2	28
66	The New Science of Practical Wisdom. <i>Perspectives in Biology and Medicine</i> , 2019, 62, 216-236.	0.5	26
67	The role of second formant transitions in the stop-semivowel distinction. <i>Perception &amp; Psychophysics</i> , 1981, 29, 121-128.	2.3	24
68	The role of "chirp" identification in duplex perception. <i>Perception &amp; Psychophysics</i> , 1983, 33, 323-332.	2.3	24
69	Trading experience modulates anterior insula to reduce the endowment effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9238-9243.	7.1	24
70	The Aesthetic Preference for Nature Sounds Depends on Sound Object Recognition. <i>Cognitive Science</i> , 2019, 43, e12734.	1.7	22
71	Auditory and phonetic processes in place perception for stops. <i>Perception &amp; Psychophysics</i> , 1983, 34, 560-568.	2.3	21
72	Measuring the naturalness of synthetic speech. <i>International Journal of Speech Technology</i> , 1995, 1, 7-19.	2.2	21

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73	Talker familiarity and the accommodation of talker variability. <i>Attention, Perception, and Psychophysics</i> , 2021, 83, 1842-1860.	1.3	19
74	Variability in Vowel Production within and between Days. <i>PLoS ONE</i> , 2015, 10, e0136791.	2.5	19
75	Talker variability in audio-visual speech perception. <i>Frontiers in Psychology</i> , 2014, 5, 698.	2.1	18
76	Prototypes are Key Heuristic Information in Insight Problem Solving. <i>Creativity Research Journal</i> , 2016, 28, 67-77.	2.6	17
77	Perceptual Plasticity for Auditory Object Recognition. <i>Frontiers in Psychology</i> , 2017, 8, 781.	2.1	16
78	Long-term pitch memory for music recordings is related to auditory working memory precision. <i>Quarterly Journal of Experimental Psychology</i> , 2018, 71, 879-891.	1.1	16
79	Imagined actions aren't just weak actions: Task variability promotes skill learning in physical practice but not in mental practice.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2012, 38, 1759-1764.	0.9	15
80	The effects of acoustic variability on absolute pitch categorization: Evidence of contextual tuning. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 436-446.	1.1	15
81	The Relationship between Mental and Somatic Practices and Wisdom. <i>PLoS ONE</i> , 2016, 11, e0149369.	2.5	15
82	Moving to the Speed of Sound: Context Modulation of the Effect of Acoustic Properties of Speech. <i>Cognitive Science</i> , 2008, 32, 1063-1074.	1.7	14
83	Sleep-dependent reconsolidation after memory destabilization in starlings. <i>Nature Communications</i> , 2018, 9, 3093.	12.8	14
84	Measuring the naturalness of synthetic speech. <i>International Journal of Speech Technology</i> , 1997, 2, 7-19.	2.2	13
85	What the [bleep]? Enhanced absolute pitch memory for a 1000 Hz sine tone. <i>Cognition</i> , 2016, 154, 139-150.	2.2	13
86	Brain mechanisms of valuable scientific problem finding inspired by heuristic knowledge. <i>Experimental Brain Research</i> , 2013, 228, 437-443.	1.5	12
87	Individual differences in absolute pitch performance: Contributions of working memory, musical expertise, and tonal language background. <i>Acta Psychologica</i> , 2018, 191, 251-260.	1.5	12
88	A note by any other name: Intonation context rapidly changes absolute note judgments.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2018, 44, 1268-1282.	0.9	12
89	Telling in-tune from out-of-tune: widespread evidence for implicit absolute intonation. <i>Psychonomic Bulletin and Review</i> , 2017, 24, 481-488.	2.8	11
90	Absolute pitch can be learned by some adults. <i>PLoS ONE</i> , 2019, 14, e0223047.	2.5	11

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91	Emerging Opportunities for Advancing Cognitive Neuroscience. Trends in Cognitive Sciences, 2019, 23, 363-365.	7.8	11
92	Evaluating the Quality of Synthetic Speech. , 1999, , 63-97.		10
93	Possible mechanisms of duplex perception: "chirp" identification versus dichotic fusion. Perception & Psychophysics, 1984, 35, 94-101.	2.3	9
94	Music can elicit a visual motion aftereffect. Attention, Perception, and Psychophysics, 2013, 75, 1039-1047.	1.3	9
95	Understanding Speech in the Context of Variability. , 2016, , 195-208.		9
96	Emotional intelligence predicts wise reasoning. Journal of Positive Psychology, 2023, 18, 106-120.	4.0	9
97	Automatic measurement of speech recognition performance: a comparison of six speaker-dependent recognition devices. Computer Speech and Language, 1987, 2, 87-108.	4.3	8
98	Simple stimuli, simple strategies. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, E65-E65.	7.1	8
99	Auditory category knowledge in experts and novices. Frontiers in Neuroscience, 2014, 8, 260.	2.8	8
100	Loving-kindness language exposure leads to changes in sensitivity to imagined pain. Journal of Positive Psychology, 2018, 13, 429-433.	4.0	8
101	The Effect of Lexical Complexity on Intelligibility. International Journal of Speech Technology, 1999, 3, 15-25.	2.2	7
102	Consolidating skill learning through sleep. Current Opinion in Behavioral Sciences, 2018, 20, 174-182.	3.9	7
103	Cortical mechanisms of talker normalization in fluent sentences. Brain and Language, 2020, 201, 104722.	1.6	6
104	Sleep Consolidation of Musical Competence. Music Perception, 2015, 33, 163-178.	1.1	6
105	Understanding Sound. Psychology of Learning and Motivation - Advances in Research and Theory, 2017, 67, 53-93.	1.1	5
106	Understanding environmental sounds in sentence context. Cognition, 2018, 172, 134-143.	2.2	5
107	Differential development of retroactive and proactive interference during post-learning wakefulness. Learning and Memory, 2018, 25, 325-329.	1.3	4
108	The Breakdown of Civic Virtues and the Problem of Hate Speech: Is There Wisdom in Freedom of Speech?. , 2019, , 111-142.		4

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109	Shaping perceptual learning of synthetic speech through feedback. <i>Psychonomic Bulletin and Review</i> , 2020, 27, 1043-1051.	2.8	4
110	Revisiting discrete versus continuous models of human behavior: The case of absolute pitch. <i>PLoS ONE</i> , 2020, 15, e0244308.	2.5	4
111	Animal comparative studies should be part of linguistics. <i>Behavioral and Brain Sciences</i> , 2009, 32, 458-459.	0.7	3
112	Individual differences in human frequency-following response predict pitch labeling ability. <i>Scientific Reports</i> , 2021, 11, 14290.	3.3	3
113	Conveying Movement in Music and Prosody. <i>PLoS ONE</i> , 2013, 8, e76744.	2.5	3
114	Developing Methods for Assessing the Performance of Speech Synthesis and Recognition Systems. <i>Proceedings of the Human Factors Society Annual Meeting</i> , 1986, 30, 1344-1348.	0.1	2
115	How to make Artificial Wisdom possible. <i>International Psychogeriatrics</i> , 2020, 32, 909-911.	1.0	2
116	Understanding Theories of Practical Wisdom. <i>International Handbooks in Business Ethics</i> , 2020, , 1-15.	0.1	2
117	Going Beyond Rote Auditory Learning: Neural Patterns of Generalized Auditory Learning. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 425-444.	2.3	2
118	Dialogue processing: Automatic alignment or controlled understanding?. <i>Behavioral and Brain Sciences</i> , 2004, 27, 210-211.	0.7	1
119	Hearing sounds as words: Neural responses to environmental sounds in the context of fluent speech. <i>Brain and Language</i> , 2018, 179, 51-61.	1.6	1
120	Effects of intelligibility on working memory demand for speech perception. , 0, .		1
121	Perceptual learning of vowels in a neuromorphic system. <i>Computer Speech and Language</i> , 1990, 4, 79-126.	4.3	0
122	Language and Communication. , 2011, , .		0
123	Expertise Modulates Neural Stimulus-Tracking. <i>ENeuro</i> , 2021, 8, ENEURO.0065-21.2021.	1.9	0
124	Absolute Pitch. , 2018, , 1-6.		0
125	Revisiting discrete versus continuous models of human behavior: The case of absolute pitch. , 2020, 15, e0244308.		0
126	Revisiting discrete versus continuous models of human behavior: The case of absolute pitch. , 2020, 15, e0244308.		0



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127	Revisiting discrete versus continuous models of human behavior: The case of absolute pitch. , 2020, 15, e0244308.		0
128	Revisiting discrete versus continuous models of human behavior: The case of absolute pitch. , 2020, 15, e0244308.		0
129	Absolute Pitch. , 2022, , 10-15.		0