Maps and streams in the auditory cortex: nonhuman processing

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Citation Report

#	Article	IF	Citations
1	Perception and hierarchical dynamics. Frontiers in Neuroinformatics, 2009, 3, 20.	1.3	85
2	Monkey drumming reveals common networks for perceiving vocal and nonvocal communication sounds. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18010-18015.	3.3	51
3	A functional role for the ventrolateral prefrontal cortex in non-spatial auditory cognition. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20045-20050.	3.3	55
4	Multisensory Integration of Sounds and Vibrotactile Stimuli in Processing Streams for "What―and "Where― Journal of Neuroscience, 2009, 29, 10950-10960.	1.7	103
5	Functional Specialization of Medial Auditory Belt Cortex in the Alert Rhesus Monkey. Journal of Neurophysiology, 2009, 102, 1606-1622.	0.9	112
6	Usage of change-related non-invasive imaging paradigms to investigate the representation of sound in the human brain. , 2009, , .		O
7	The functional neuroanatomy of language. Physics of Life Reviews, 2009, 6, 121-143.	1.5	296
8	Neural reuse and cognitive homology. Behavioral and Brain Sciences, 2010, 33, 268-269.	0.4	6
9	Dual stream speech recognition using articulatory syllable models. International Journal of Speech Technology, 2010, 13, 219-230.	1.4	7
10	Localization of sublexical speech perception components. Brain and Language, 2010, 114, 1-15.	0.8	209
11	The anatomy of language: a review of 100 fMRI studies published in 2009. Annals of the New York Academy of Sciences, 2010, 1191, 62-88.	1.8	1,143
12	Mental imagery of speech and movement implicates the dynamics of internal forward models. Frontiers in Psychology, 2010, 1, 166.	1.1	181
13	Dissociable Memory- and Response-Related Activity in Parietal Cortex During Auditory Spatial Working Memory. Frontiers in Psychology, 2010, 1, 202.	1.1	32
14	Segregation of Vowels and Consonants in Human Auditory Cortex: Evidence for Distributed Hierarchical Organization. Frontiers in Psychology, 2010, 1, 232.	1.1	56
15	Using Spatial Manipulation to Examine Interactions between Visual and Auditory Encoding of Pitch and Time. Frontiers in Psychology, 2010, 1, 233.	1.1	5
16	Hierarchical processing for speech in human auditory cortex and beyond. Frontiers in Human Neuroscience, 2010, 4, 51.	1.0	120
17	Functional Properties of Human Auditory Cortical Fields. Frontiers in Systems Neuroscience, 2010, 4, 155.	1.2	85
18	The Effect of Delayed Auditory Feedback on Activity in the Temporal Lobe While Speaking: A Positron Emission Tomography Study. Journal of Speech, Language, and Hearing Research, 2010, 53, 226-236.	0.7	53

#	Article	IF	CITATIONS
19	Rapid Cortical Plasticity Underlying Novel Word Learning. Journal of Neuroscience, 2010, 30, 16864-16867.	1.7	89
20	Time Scales of Auditory Habituation in the Amygdala and Cerebral Cortex. Cerebral Cortex, 2010, 20, 2531-2539.	1.6	41
21	The Ventral and Inferolateral Aspects of the Anterior Temporal Lobe Are Crucial in Semantic Memory: Evidence from a Novel Direct Comparison of Distortion-Corrected fMRI, rTMS, and Semantic Dementia. Cerebral Cortex, 2010, 20, 2728-2738.	1.6	378
22	A Role for the Intraparietal Sulcus in Transforming Musical Pitch Information. Cerebral Cortex, 2010, 20, 1350-1359.	1.6	142
23	An acoustical study of vocal pitch matching in congenital amusia. Journal of the Acoustical Society of America, 2010, 127, 504-512.	0.5	43
24	How Does Learning to Read Affect Speech Perception?. Journal of Neuroscience, 2010, 30, 8435-8444.	1.7	69
25	Normal Adult Aging and the Contextual Influences Affecting Speech and Meaningful Sound Perception. Trends in Amplification, 2010, 14, 218-232.	2.4	42
26	Inferior Frontal Gyrus Activation Predicts Individual Differences in Perceptual Learning of Cochlear-Implant Simulations. Journal of Neuroscience, 2010, 30, 7179-7186.	1.7	92
27	Domain General Change Detection Accounts for "Dishabituation―Effects in Temporal–Parietal Regions in Functional Magnetic Resonance Imaging Studies of Speech Perception. Journal of Neuroscience, 2010, 30, 1110-1117.	1.7	37
28	Central auditory disorders: toward a neuropsychology of auditory objects. Current Opinion in Neurology, 2010, 23, 617-627.	1.8	57
29	Hierarchical Organization of Human Auditory Cortex: Evidence from Acoustic Invariance in the Response to Intelligible Speech. Cerebral Cortex, 2010, 20, 2486-2495.	1.6	237
30	Serial and parallel processing in the primate auditory cortex revisited. Behavioural Brain Research, 2010, 206, 1-7.	1.2	88
31	The adaptive brain: A neurophysiological perspective. Progress in Neurobiology, 2010, 91, 55-67.	2.8	106
32	Phonological repetition-suppression in bilateral superior temporal sulci. Neurolmage, 2010, 49, 1018-1023.	2.1	55
33	Cortical speech processing unplugged: a timely subcortico-cortical framework. Trends in Cognitive Sciences, 2010, 14, 392-399.	4.0	344
34	Multisensory Object Perception in the Primate Brain. , 2010, , .		10
35	Cortical Representation of Natural Complex Sounds: Effects of Acoustic Features and Auditory Object Category. Journal of Neuroscience, 2010, 30, 7604-7612.	1.7	323
36	A cognitive model of human thinking. , 2011, , .		2

#	ARTICLE	IF	Citations
37	Differential Contributions of Bilateral Ventral Anterior Temporal Lobe and Left Anterior Superior Temporal Gyrus to Semantic Processes. Journal of Cognitive Neuroscience, 2011, 23, 3121-3131.	1.1	205
38	The Interaction of Lexical Semantics and Cohort Competition in Spoken Word Recognition: An fMRI Study. Journal of Cognitive Neuroscience, 2011, 23, 3778-3790.	1.1	48
39	Sublexical Properties of Spoken Words Modulate Activity in Broca's Area but Not Superior Temporal Cortex: Implications for Models of Speech Recognition. Journal of Cognitive Neuroscience, 2011, 23, 2665-2674.	1.1	31
40	Neural Correlates of Sublexical Processing in Phonological Working Memory. Journal of Cognitive Neuroscience, 2011, 23, 961-977.	1.1	72
41	Resting-state networks in the macaque at 7T. NeuroImage, 2011, 56, 1546-1555.	2.1	131
42	Dynamics of large-scale cortical interactions at high gamma frequencies during word production: Event related causality (ERC) analysis of human electrocorticography (ECoG). Neurolmage, 2011, 56, 2218-2237.	2.1	75
43	Dynamic assignment of neural resources in auditory comprehension of complex sentences. NeuroImage, 2011, 56, 2310-2320.	2.1	61
44	Syntactic and auditory spatial processing in the human temporal cortex: An MEG study. NeuroImage, 2011, 57, 624-633.	2.1	37
45	Processing of infant-directed speech by adults. NeuroImage, 2011, 54, 611-621.	2.1	15
46	From sounds to words: A neurocomputational model of adaptation, inhibition and memory processes in auditory change detection. Neurolmage, 2011, 54, 170-181.	2.1	44
47	Effective connectivity analysis demonstrates involvement of premotor cortex during speech perception. Neurolmage, 2011, 54, 2437-2445.	2.1	95
48	Functional asymmetries in the representation of noise-vocoded speech. NeuroImage, 2011, 54, 2364-2373.	2.1	9
49	Brain Mapping., 2011,,.		46
50	The difference between uni- and bilateral auditory phantom percept. Clinical Neurophysiology, 2011, 122, 578-587.	0.7	97
51	Communication and the Primate Brain: Insights from Neuroimaging Studies in Humans, Chimpanzees and Macaques. Human Biology, 2011, 83, 175-189.	0.4	13
52	Information flow in the auditory cortical network. Hearing Research, 2011, 271, 133-146.	0.9	263
53	An expanded role for the dorsal auditory pathway in sensorimotor control and integration. Hearing Research, 2011, 271, 16-25.	0.9	235
54	Dysregulation of Limbic and Auditory Networks in Tinnitus. Neuron, 2011, 69, 33-43.	3.8	380

#	ARTICLE	IF	Citations
55	Sensorimotor Integration in Speech Processing: Computational Basis and Neural Organization. Neuron, 2011, 69, 407-422.	3.8	678
56	Lichtheim 2: Synthesizing Aphasia and the Neural Basis of Language in a Neurocomputational Model of the Dual Dorsal-Ventral Language Pathways. Neuron, 2011, 72, 385-396.	3.8	245
57	Cortical Networks Representing Object Categories and High-level Attributes of Familiar Real-world Action Sounds. Journal of Cognitive Neuroscience, 2011, 23, 2079-2101.	1.1	39
58	Temporal processing in the auditory core: transformation or segregation?. Journal of Neurophysiology, 2011, 106, 2791-2793.	0.9	4
59	Stimulus Complexity and Categorical Effects in Human Auditory Cortex: An Activation Likelihood Estimation Meta-Analysis. Frontiers in Psychology, 2010, 1, 241.	1.1	57
60	The Perception of Musical Spontaneity in Improvised and Imitated Jazz Performances. Frontiers in Psychology, 2011, 2, 83.	1.1	35
61	Modulation of Cross-Frequency Coupling by Novel and Repeated Stimuli in the Primate Ventrolateral Prefrontal Cortex. Frontiers in Psychology, 2011, 2, 217.	1.1	14
62	Fast Mapping of Novel Word Forms Traced Neurophysiologically. Frontiers in Psychology, 2011, 2, 340.	1.1	41
63	Phonological Processing in Human Auditory Cortical Fields. Frontiers in Human Neuroscience, 2011, 5, 42.	1.0	35
64	Speech Production as State Feedback Control. Frontiers in Human Neuroscience, 2011, 5, 82.	1.0	312
65	Music and Emotions in the Brain: Familiarity Matters. PLoS ONE, 2011, 6, e27241.	1.1	306
66	Impairment of Auditory-Motor Timing and Compensatory Reorganization after Ventral Premotor Cortex Stimulation. PLoS ONE, 2011, 6, e21421.	1.1	25
67	Different representations of tooth chatter and purr call in guinea pig auditory cortex. NeuroReport, 2011, 22, 613-616.	0.6	9
68	A hardware experimental platform for neural circuits in the auditory cortex. Proceedings of SPIE, 2011, , .	0.8	0
69	Widespread Brain Areas Engaged during a Classical Auditory Streaming Task Revealed by Intracranial EEG. Frontiers in Human Neuroscience, 2011, 5, 74.	1.0	34
70	Sensorimotor integration for speech motor learning involves the inferior parietal cortex. European Journal of Neuroscience, 2011, 34, 1817-1822.	1.2	83
71	The auditory dorsal pathway: Orienting vision. Neuroscience and Biobehavioral Reviews, 2011, 35, 2162-2173.	2.9	73
72	Atypical processing of auditory temporal complexity in autistics. Neuropsychologia, 2011, 49, 546-555.	0.7	60

#	Article	IF	CITATIONS
73	A role for the right superior temporal sulcus in categorical perception of musical chords. Neuropsychologia, 2011, 49, 878-887.	0.7	55
74	FOXP2 and the role of cortico-basal ganglia circuits in speech and language evolution. Current Opinion in Neurobiology, 2011, 21, 415-424.	2.0	172
75	Support for anterior temporal involvement in semantic error production in aphasia: New evidence from VLSM. Brain and Language, 2011, 117, 110-122.	0.8	105
76	How the ventral pathway got lost – And what its recovery might mean. Brain and Language, 2011, 118, 29-39.	0.8	147
77	Understanding of spoken language under challenging listening conditions in younger and older listeners: A combined behavioral and electrophysiological study. Brain Research, 2011, 1415, 8-22.	1.1	32
78	The Brain Basis of Language Processing: From Structure to Function. Physiological Reviews, 2011, 91, 1357-1392.	13.1	1,328
79	Neural language networks at birth. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16056-16061.	3.3	398
80	Multistage audiovisual integration of speech: dissociating identification and detection. Experimental Brain Research, 2011, 208, 447-457.	0.7	37
81	Neuromorphic detection of speech dynamics. Neurocomputing, 2011, 74, 1191-1202.	3.5	10
82	Perception and action in singing. Progress in Brain Research, 2011, 191, 103-118.	0.9	9
83	Hearing Loss in Older Adults Affects Neural Systems Supporting Speech Comprehension. Journal of Neuroscience, 2011, 31, 12638-12643.	1.7	352
84	The Sound of Consciousness: Neural Underpinnings of Auditory Perception. Journal of Neuroscience, 2011, 31, 16611-16618.	1.7	38
85	Representation of temporal sound features in the human auditory cortex. Reviews in the Neurosciences, 2011, 22, 187-203.	1.4	64
86	White Matter Anisotropy in the Ventral Language Pathway Predicts Sound-to-Word Learning Success. Journal of Neuroscience, 2011, 31, 8780-8785.	1.7	104
87	Physical and Perceptual Factors Shape the Neural Mechanisms That Integrate Audiovisual Signals in Speech Comprehension. Journal of Neuroscience, 2011, 31, 11338-11350.	1.7	54
88	Auditory Cortex Encodes the Perceptual Interpretation of Ambiguous Sound. Journal of Neuroscience, 2011, 31, 1715-1720.	1.7	110
89	Tracking Vocal Pitch through Noise: Neural Correlates in Nonprimary Auditory Cortex. Journal of Neuroscience, 2011, 31, 1479-1488.	1.7	7
90	Unlocking the role of the superior temporal gyrus for speech sound categorization. Journal of Neurophysiology, 2011, 105, 2631-2633.	0.9	9

#	Article	IF	CITATIONS
91	Emergence of Learned Categorical Representations within an Auditory Forebrain Circuit. Journal of Neuroscience, 2011, 31, 2595-2606.	1.7	58
92	Representation of speech categories in the primate auditory cortex. Journal of Neurophysiology, 2011, 105, 2634-2646.	0.9	95
93	Functional selectivity in sensory-deprived cortices. Journal of Neurophysiology, 2011, 105, 2627-2630.	0.9	57
94	Functional Correlates of the Anterolateral Processing Hierarchy in Human Auditory Cortex. Journal of Neuroscience, 2011, 31, 9345-9352.	1.7	87
95	Sound Location Can Influence Audiovisual Speech Perception When Spatial Attention Is Manipulated. Seeing and Perceiving, 2011, 24, 67-90.	0.4	22
96	Sound-identity processing in early areas of the auditory ventral stream in the macaque. Journal of Neurophysiology, 2012, 107, 1123-1141.	0.9	55
97	Interhemispheric Differences in Auditory Processing Revealed by fMRI in Awake Rhesus Monkeys. Cerebral Cortex, 2012, 22, 838-853.	1.6	50
98	Reduced Speech Perceptual Acuity for Stop Consonants in Individuals Who Stutter. Journal of Speech, Language, and Hearing Research, 2012, 55, 276-289.	0.7	21
99	Musical Melody and Speech Intonation: Singing a Different Tune. PLoS Biology, 2012, 10, e1001372.	2.6	158
100	Using TMS to study the role of the articulatory motor system in speech perception. Aphasiology, 2012, 26, 1103-1118.	1.4	47
101	On the pursuit of the brain network for proto-syntactic learning in non-human primates: conceptual issues and neurobiological hypotheses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2077-2088.	1.8	36
102	A hierarchical model of the evolution of human brain specializations. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10733-10740.	3.3	168
103	Suppressed Alpha Oscillations Predict Intelligibility of Speech and its Acoustic Details. Cerebral Cortex, 2012, 22, 2466-2477.	1.6	168
104	Semantic memory is impaired in patients with unilateral anterior temporal lobe resection for temporal lobe epilepsy. Brain, 2012, 135, 242-258.	3.7	144
105	Emergence of neural encoding of auditory objects while listening to competing speakers. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11854-11859.	3.3	695
106	Categorical Speech Processing in Broca's Area: An fMRI Study Using Multivariate Pattern-Based Analysis. Journal of Neuroscience, 2012, 32, 3942-3948.	1.7	111
107	Convergent Connectivity and Graded Specialization in the Rostral Human Temporal Lobe as Revealed by Diffusion-Weighted Imaging Probabilistic Tractography. Journal of Cognitive Neuroscience, 2012, 24, 1998-2014.	1.1	194
108	Specific Brain Networks during Explicit and Implicit Decoding of Emotional Prosody. Cerebral Cortex, 2012, 22, 1107-1117.	1.6	229

#	Article	IF	CITATIONS
109	Cross-Modal Recruitment of Primary Visual Cortex by Auditory Stimuli in the Nonhuman Primate Brain: A Molecular Mapping Study. Neural Plasticity, 2012, 2012, 1-11.	1.0	5
110	Sensory Deprivation and Brain Plasticity. Neural Plasticity, 2012, 2012, 1-2.	1.0	15
111	Individual differences in rhythmic ability: Behavioral and neuroimaging investigations Psychomusicology: Music, Mind and Brain, 2012, 22, 105-121.	1.1	68
112	The emergence of cerebral specialization for the human voice over the first months of life. Social Neuroscience, 2012, 7, 317-330.	0.7	59
113	Phoneme and word recognition in the auditory ventral stream. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E505-14.	3.3	393
114	Ventral and dorsal streams in the evolution of speech and language. Frontiers in Evolutionary Neuroscience, 2012, 4, 7.	3.7	108
115	Of bats and men. Journal of Neurophysiology, 2012, 108, 1545-1547.	0.9	6
116	Reading with Sounds: Sensory Substitution Selectively Activates the Visual Word Form Area in the Blind. Neuron, 2012, 76, 640-652.	3.8	243
117	The maps problem and the mapping problem: Two challenges for a cognitive neuroscience of speech and language. Cognitive Neuropsychology, 2012, 29, 34-55.	0.4	165
118	Beyond the arcuate fasciculus: consensus and controversy in the connectional anatomy of language. Brain, 2012, 135, 3529-3550.	3.7	415
119	Birds, primates, and spoken language origins: behavioral phenotypes and neurobiological substrates. Frontiers in Evolutionary Neuroscience, 2012, 4, 12.	3.7	327
120	Neural Bases of Rapid Word Learning. Neuroscientist, 2012, 18, 312-319.	2.6	39
121	Interaction between lexical and grammatical language systems in the brain. Physics of Life Reviews, 2012, 9, 198-214.	1.5	22
122	Audiovisual reproduction in surrounding display: Effect of spatial width of audio and video., 2012,,.		0
123	A tractography study in dyslexia: neuroanatomic correlates of orthographic, phonological and speech processing. Brain, 2012, 135, 935-948.	3.7	261
124	Speech recognition in adverse conditions: A review. Language and Cognitive Processes, 2012, 27, 953-978.	2.3	502
125	Accent processing in dementia. Neuropsychologia, 2012, 50, 2233-2244.	0.7	31
126	Discovering oscillatory interaction networks with M/EEG: challenges and breakthroughs. Trends in Cognitive Sciences, 2012, 16, 219-230.	4.0	323

#	ARTICLE	IF	CITATIONS
127	The cortical language circuit: from auditory perception to sentence comprehension. Trends in Cognitive Sciences, 2012, 16, 262-268.	4.0	622
128	Effects of sequential streaming on auditory masking using psychoacoustics and auditory evoked potentials. Hearing Research, 2012, 285, 77-85.	0.9	5
129	Transient and sustained cortical activity elicited by connected speech of varying intelligibility. BMC Neuroscience, 2012, 13, 157.	0.8	19
130	The cortical organization of speech processing: Feedback control and predictive coding the context of a dual-stream model. Journal of Communication Disorders, 2012, 45, 393-402.	0.8	236
131	The neurobiology of speech perception and productionâ€"Can functional imaging tell us anything we did not already know?. Journal of Communication Disorders, 2012, 45, 419-425.	0.8	24
132	Amusics can imitate what they cannot discriminate. Brain and Language, 2012, 123, 234-239.	0.8	34
133	Architecture and organizational principles of Broca's region. Trends in Cognitive Sciences, 2012, 16, 418-426.	4.0	155
134	Learning to play a melody: An fMRI study examining the formation of auditory-motor associations. NeuroImage, 2012, 59, 1200-1208.	2.1	91
135	Towards the utilization of EEG as a brain imaging tool. Neurolmage, 2012, 61, 371-385.	2.1	539
136	Enhanced early-latency electromagnetic activity in the left premotor cortex is associated with successful phonetic categorization. Neurolmage, 2012, 60, 1937-1946.	2.1	33
137	A review and synthesis of the first 20years of PET and fMRI studies of heard speech, spoken language and reading. Neurolmage, 2012, 62, 816-847.	2.1	1,713
138	On the spatial organization of sound processing in the human temporal lobe: A meta-analysis. Neurolmage, 2012, 63, 137-147.	2.1	54
139	Design choices in imaging speech comprehension: An Activation Likelihood Estimation (ALE) meta-analysis. NeuroImage, 2012, 63, 1601-1613.	2.1	42
140	Toward a neural theory of language: Old issues and new perspectives. Journal of Neurolinguistics, 2012, 25, 304-327.	0.5	24
143	Musical Training as a Framework for Brain Plasticity: Behavior, Function, and Structure. Neuron, 2012, 76, 486-502.	3.8	602
144	The Human Auditory Cortex. Springer Handbook of Auditory Research, 2012, , .	0.3	18
145	Processing of Communication Calls in Guinea Pig Auditory Cortex. PLoS ONE, 2012, 7, e51646.	1.1	50
146	Early and Sustained Supramarginal Gyrus Contributions to Phonological Processing. Frontiers in Psychology, 2012, 3, 161.	1.1	85

#	Article	IF	Citations
147	Neural Oscillations Carry Speech Rhythm through to Comprehension. Frontiers in Psychology, 2012, 3, 320.	1.1	401
148	The dual loop model: its relation to language and other modalities. Frontiers in Evolutionary Neuroscience, 2012, 4, 9.	3.7	60
149	The hemispheric lateralization of speech processing depends on what "speech―is: a hierarchical perspective. Frontiers in Human Neuroscience, 2012, 6, 309.	1.0	103
150	Cortico-limbic morphology separates tinnitus from tinnitus distress. Frontiers in Systems Neuroscience, 2012, 6, 21.	1.2	131
151	Auditory object salience: human cortical processing of non-biological action sounds and their acoustic signal attributes. Frontiers in Systems Neuroscience, 2012, 6, 27.	1.2	33
152	Sex-dependent hemispheric asymmetries for processing frequency-modulated sounds in the primary auditory cortex of the mustached bat. Journal of Neurophysiology, 2012, 108, 1548-1566.	0.9	21
153	Crossmodal Plasticity in Early Blindness. , 0, , 138-152.		0
154	Neural Bases of Speech Perception – Phonology, Streams, and Auditory Word Forms. , 0, , 26-41.		4
156	Neural mechanisms underlying the grouping effect in shortâ€ŧerm memory. Human Brain Mapping, 2012, 33, 1634-1647.	1.9	14
157	Functionally distinct regions for spatial processing and sensory motor integration in the planum temporale. Human Brain Mapping, 2012, 33, 2453-2463.	1.9	35
158	Cortical oscillations and speech processing: emerging computational principles and operations. Nature Neuroscience, 2012, 15, 511-517.	7.1	1,444
159	Ventral and dorsal fiber systems for imagined and executed movement. Experimental Brain Research, 2012, 219, 203-216.	0.7	64
160	Interference in dichotic listening: the effect of contralateral noise on oscillatory brain networks. European Journal of Neuroscience, 2012, 35, 106-118.	1.2	18
161	Co-localisation of abnormal brain structure and function in specific language impairment. Brain and Language, 2012, 120, 310-320.	0.8	106
162	The cortical organization of lexical knowledge: A dual lexicon model of spoken language processing. Brain and Language, 2012, 121, 273-288.	0.8	138
163	The neural bases of difficult speech comprehension and speech production: Two Activation Likelihood Estimation (ALE) meta-analyses. Brain and Language, 2012, 122, 42-54.	0.8	128
164	The involvement of audio–motor coupling in the musicâ€supported therapy applied to stroke patients. Annals of the New York Academy of Sciences, 2012, 1252, 282-293.	1.8	114
165	Beyond auditory cortex: working with musical thoughts. Annals of the New York Academy of Sciences, 2012, 1252, 222-228.	1.8	16

#	Article	IF	CITATIONS
166	Mental imagery in music performance: underlying mechanisms and potential benefits. Annals of the New York Academy of Sciences, 2012, 1252, 206-213.	1.8	125
167	Working memory for speech and music. Annals of the New York Academy of Sciences, 2012, 1252, 229-236.	1.8	96
168	Current perspectives and methods in studying neural mechanisms of multisensory interactions. Neuroscience and Biobehavioral Reviews, 2012, 36, 111-133.	2.9	89
169	Visemic processing in audiovisual discrimination of natural speech: A simultaneous fMRl–EEG study. Neuropsychologia, 2012, 50, 1316-1326.	0.7	10
170	Taskâ€dependent activations of human auditory cortex to prototypical and nonprototypical vowels. Human Brain Mapping, 2013, 34, 1272-1281.	1.9	12
171	Auditory stroop and absolute pitch: An fMRI study. Human Brain Mapping, 2013, 34, 1579-1590.	1.9	40
172	Neural correlates of the perception of contrastive prosodic focus in French: A functional magnetic resonance imaging study. Human Brain Mapping, 2013, 34, 2574-2591.	1.9	20
173	Action semantics and movement characteristics engage distinct processing streams during the observation of tool use. Experimental Brain Research, 2013, 229, 243-260.	0.7	44
174	Parallel Processing via a Dual Olfactory Pathway in the Honeybee. Journal of Neuroscience, 2013, 33, 2443-2456.	1.7	77
175	Comparison of Neural Responses to Cat Meows and Human Vowels in the Anterior and Posterior Auditory Field of Awake Cats. PLoS ONE, 2013, 8, e52942.	1.1	13
176	Neural Correlates of Auditory Cognition. Springer Handbook of Auditory Research, 2013, , .	0.3	6
177	Just how important is spatial coincidence to multisensory integration? Evaluating the spatial rule. Annals of the New York Academy of Sciences, 2013, 1296, 31-49.	1.8	137
178	From Vivaldi to Beatles and back: Predicting lateralized brain responses to music. NeuroImage, 2013, 83, 627-636.	2.1	74
179	Characterizing Neurological Disease from Voice Quality Biomechanical Analysis. Cognitive Computation, 2013, 5, 399-425.	3.6	26
180	The Effect of Imagination on Stimulation: The Functional Specificity of Efference Copies in Speech Processing. Journal of Cognitive Neuroscience, 2013, 25, 1020-1036.	1.1	102
181	Parallel processing in the honeybee olfactory pathway: structure, function, and evolution. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 981-996.	0.7	37
182	How neurons make meaning: brain mechanisms for embodied and abstract-symbolic semantics. Trends in Cognitive Sciences, 2013, 17, 458-470.	4.0	434
183	Shared and distinct neural correlates of vowel perception and production. Journal of Neurolinguistics, 2013, 26, 384-408.	0.5	28

#	Article	IF	CITATIONS
184	Do temporal processes underlie left hemisphere dominance in speech perception?. Brain and Language, 2013, 127, 36-45.	0.8	60
185	Wernicke's area revisited: Parallel streams and word processing. Brain and Language, 2013, 127, 181-191.	0.8	128
186	White matter lateralization and interhemispheric coherence to auditory modulations in normal reading and dyslexic adults. Neuropsychologia, 2013, 51, 2087-2099.	0.7	49
187	Lexical prediction via forward models: N400 evidence from German Sign Language. Neuropsychologia, 2013, 51, 2224-2237.	0.7	47
188	A mediating role of the auditory dorsal pathway in selective adaptation to speech: A state-dependent transcranial magnetic stimulation study. Brain Research, 2013, 1515, 55-65.	1.1	25
189	The neural processing of masked speech. Hearing Research, 2013, 303, 58-66.	0.9	63
190	Reconciling time, space and function: A new dorsal–ventral stream model of sentence comprehension. Brain and Language, 2013, 125, 60-76.	0.8	218
191	Predispositions and Plasticity in Music and Speech Learning: Neural Correlates and Implications. Science, 2013, 342, 585-589.	6.0	135
192	Spatial representations of temporal and spectral sound cues in human auditory cortex. Cortex, 2013, 49, 2822-2833.	1.1	50
193	The Selective Role of Premotor Cortex in Speech Perception: A Contribution to Phoneme Judgements but not Speech Comprehension. Journal of Cognitive Neuroscience, 2013, 25, 2179-2188.	1.1	41
194	Different Timescales for the Neural Coding of Consonant and Vowel Sounds. Cerebral Cortex, 2013, 23, 670-683.	1.6	62
195	Connections for auditory language in the human brain. Brain and Language, 2013, 127, 205-221.	0.8	67
196	Comparative Music Cognition. , 2013, , 647-681.		11
197	Auditory verbal hallucinations as atypical inner speech monitoring, and the potential of neurostimulation as a treatment option. Neuroscience and Biobehavioral Reviews, 2013, 37, 2794-2805.	2.9	80
198	Ultra-fast speech comprehension in blind subjects engages primary visual cortex, fusiform gyrus, and pulvinar $\hat{a} \in \mathbb{R}^m$ a functional magnetic resonance imaging (fMRI) study. BMC Neuroscience, 2013, 14, 74.	0.8	45
199	Processing of communication sounds: Contributions of learning, memory, and experience. Hearing Research, 2013, 305, 31-44.	0.9	28
200	Single neurons in monkey prefrontal cortex encode volitional initiation of vocalizations. Nature Communications, 2013, 4, 2409.	5.8	119
201	The what, where and how of auditory-object perception. Nature Reviews Neuroscience, 2013, 14, 693-707.	4.9	359

#	Article	IF	CITATIONS
202	The auditory dorsal stream plays a crucial role in projecting hallucinated voices into external space. Schizophrenia Research, 2013, 146, 314-319.	1.1	21
203	Neural Dynamics of Phonological Processing in the Dorsal Auditory Stream. Journal of Neuroscience, 2013, 33, 15414-15424.	1.7	60
204	The use of optical and sonar images in the human and dolphin brain for image classification., 2013,,.		0
205	From perception to pleasure: Music and its neural substrates. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10430-10437.	3.3	379
207	Articulatory movements modulate auditory responses to speech. NeuroImage, 2013, 73, 191-199.	2.1	29
208	Activations of human auditory cortex to phonemic and nonphonemic vowels during discrimination and memory tasks. NeuroImage, 2013, 77, 279-287.	2.1	19
209	How does visual language affect crossmodal plasticity and cochlear implant success?. Neuroscience and Biobehavioral Reviews, 2013, 37, 2621-2630.	2.9	73
210	Introduction. Brain and Language, 2013, 127, 177-180.	0.8	1
211	A unified coding strategy for processing faces and voices. Trends in Cognitive Sciences, 2013, 17, 263-271.	4.0	121
212	Processing of emotional vocalizations in bilateral inferior frontal cortex. Neuroscience and Biobehavioral Reviews, 2013, 37, 2847-2855.	2.9	131
213	Neural mechanisms of phonemic restoration for speech comprehension revealed by magnetoencephalography. Brain Research, 2013, 1537, 164-173.	1.1	12
214	Vocal pitch shift in congenital amusia (pitch deafness). Brain and Language, 2013, 125, 106-117.	0.8	17
215	Using in vivo probabilistic tractography to reveal two segregated dorsal †language-cognitive†to pathways in the human brain. Brain and Language, 2013, 127, 230-240.	0.8	25
216	Location-independent and location-linked representations of sound objects. NeuroImage, 2013, 73, 40-49.	2.1	13
217	Reorganization of the auditory, visual and multimodal areas in early deaf individuals. Neuroscience, 2013, 245, 50-60.	1.1	58
218	Phase-Locked Responses to Speech in Human Auditory Cortex are Enhanced During Comprehension. Cerebral Cortex, 2013, 23, 1378-1387.	1.6	469
219	Structural white matter asymmetries in relation to functional asymmetries during speech perception and production. Neurolmage, 2013, 83, 1088-1097.	2.1	47
220	Dorsal and ventral pathways in language development. Brain and Language, 2013, 127, 289-295.	0.8	165

#	Article	IF	CITATIONS
221	Using naturalistic utterances to investigate vocal communication processing and development in human and non-human primates. Hearing Research, 2013, 305, 74-85.	0.9	5
222	A new field in monkey's frontal cortex: Premotor ear-eye field (PEEF). Neuroscience and Biobehavioral Reviews, 2013, 37, 1434-1444.	2.9	23
223	The functional role of the frontal cortex in pre-attentive auditory change detection. NeuroImage, 2013, 83, 870-879.	2.1	38
224	Early neurophysiological correlates of vocal versus non-vocal sound processing in adults. Brain Research, 2013, 1528, 20-27.	1.1	13
225	Fronto-parietal dorsal and ventral pathways in the context of different linguistic manipulations. Brain and Language, 2013, 127, 241-250.	0.8	24
226	Common parietal activation in musical mental transformations across pitch and time. NeuroImage, 2013, 75, 27-35.	2.1	65
227	Reactive cognitive-control processes in free-report consonant–vowel dichotic listening. Brain and Cognition, 2013, 83, 288-296.	0.8	16
228	Synchronizing with auditory and visual rhythms: An fMRI assessment of modality differences and modality appropriateness. Neurolmage, 2013, 67, 313-321.	2.1	136
229	Interaction between dorsal and ventral processing streams: Where, when and how?. Brain and Language, 2013, 127, 251-263.	0.8	152
230	Brain activity during auditory and visual phonological, spatial and simple discrimination tasks. Brain Research, 2013, 1496, 55-69.	1.1	26
231	Auditory–Motor Interactions for the Production of Native and Non-Native Speech. Journal of Neuroscience, 2013, 33, 2376-2387.	1.7	22
232	Repetition Suppression in Auditory–Motor Regions to Pitch and Temporal Structure in Music. Journal of Cognitive Neuroscience, 2013, 25, 313-328.	1.1	45
233	Parsing the Phonological Loop: Activation Timing in the Dorsal Speech Stream Determines Accuracy in Speech Reproduction. Journal of Neuroscience, 2013, 33, 5439-5453.	1.7	63
234	The Brain Dynamics of Rapid Perceptual Adaptation to Adverse Listening Conditions. Journal of Neuroscience, 2013, 33, 10688-10697.	1.7	131
235	Processing of speech and non-speech sounds in the supratemporal plane: Auditory input preference does not predict sensitivity to statistical structure. NeuroImage, 2013, 66, 318-332.	2.1	47
236	Evidence for distinct human auditory cortex regions for sound location versus identity processing. Nature Communications, 2013, 4, 2585.	5.8	51
237	Coding of Melodic Gestalt in Human Auditory Cortex. Cerebral Cortex, 2013, 23, 2987-2993.	1.6	21
238	The right hemisphere supports but does not replace left hemisphere auditory function in patients with persisting aphasia. Brain, 2013, 136, 1901-1912.	3.7	40

#	Article	IF	CITATIONS
239	Auditory-Motor Processing of Speech Sounds. Cerebral Cortex, 2013, 23, 1190-1197.	1.6	91
240	Abstract Encoding of Auditory Objects in Cortical Activity Patterns. Cerebral Cortex, 2013, 23, 2025-2037.	1.6	81
241	A Neurocomputational Model of the Mismatch Negativity. PLoS Computational Biology, 2013, 9, e1003288.	1.5	96
242	Word learning is mediated by the left arcuate fasciculus. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13168-13173.	3.3	228
243	Predictive coding? Yes, but from what source?. Behavioral and Brain Sciences, 2013, 36, 358-358.	0.4	7
244	Affective and Sensorimotor Components of Emotional Prosody Generation. Journal of Neuroscience, 2013, 33, 1640-1650.	1.7	87
245	Decoding Speech for Understanding and Treating Aphasia. Progress in Brain Research, 2013, 207, 435-456.	0.9	19
246	Evidence for, and predictions from, forward modeling in language production. Behavioral and Brain Sciences, 2013, 36, 348-349.	0.4	3
247	Functional Connection Between Posterior Superior Temporal Gyrus and Ventrolateral Prefrontal Cortex in Human. Cerebral Cortex, 2013, 23, 2309-2321.	1.6	28
248	The neurobiology of receptive-expressive language interdependence. Behavioral and Brain Sciences, 2013, 36, 352-353.	0.4	1
249	Auditory processing disorder (APD) in children: A marker of neurodevelopmental syndrome. Hearing, Balance and Communication, 2013, 11, 160-167.	0.1	47
250	Atypical mismatch negativity to distressful voices associated with conduct disorder symptoms. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2013, 54, 1016-1027.	3.1	29
251	Altered Structure–Function Relations of Semantic Processing in Youths with Highâ€Functioning Autism: A Combined Diffusion and Functional <scp>MRI</scp> Study. Autism Research, 2013, 6, 561-570.	2.1	17
252	Damage to ventral and dorsal language pathways in acute aphasia. Brain, 2013, 136, 619-629.	3.7	229
253	Human cortical sensorimotor network underlying feedback control of vocal pitch. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2653-2658.	3.3	207
254	Individual Predisposition for Learning and Neuroplasticity. Journal of Neuroscience, 2013, 33, 15321-15323.	1.7	3
255	Auditory Imagery Modulates Frequency-specific Areas in the Human Auditory Cortex. Journal of Cognitive Neuroscience, 2013, 25, 175-187.	1.1	26
256	Auditory agnosias. Handbook of Clinical Neurophysiology, 2013, , 449-460.	0.0	0

#	Article	IF	CITATIONS
257	The functional neuroanatomy of language. Handbook of Clinical Neurophysiology, 2013, 10, 61-70.	0.0	2
258	Anatomy and physiology of auditory pathways and cortex. Handbook of Clinical Neurophysiology, 2013, , 25-59.	0.0	5
259	Automatic Phoneme Category Selectivity in the Dorsal Auditory Stream. Journal of Neuroscience, 2013, 33, 5208-5215.	1.7	91
260	Working Memory., 2013, , .		0
261	Neural evidence for state feedback control of speaking. Proceedings of Meetings on Acoustics, 2013, , .	0.3	7
262	Cortical speech-evoked response patterns in multiple auditory fields are correlated with behavioral discrimination ability. Journal of Neurophysiology, 2013, 110, 177-189.	0.9	41
263	Cochlear Implantation Feasibility in Rhesus Macaque Monkey. Otology and Neurotology, 2013, 34, e76-e81.	0.7	7
264	Coding of repetitive transients by auditory cortex on posterolateral superior temporal gyrus in humans: an intracranial electrophysiology study. Journal of Neurophysiology, 2013, 109, 1283-1295.	0.9	61
265	The neural representation of vocalisation perception., 0,, 337-354.		0
266	The Tracking of Speech Envelope in the Human Cortex. PLoS ONE, 2013, 8, e53398.	1.1	109
267	Sensory-Motor Interactions for Vocal Pitch Monitoring in Non-Primary Human Auditory Cortex. PLoS ONE, 2013, 8, e60783.	1.1	60
268	Neural Correlates of Sound Localization in Complex Acoustic Environments. PLoS ONE, 2013, 8, e64259.	1.1	40
269	Seeing Is Believing: Neural Representations of Visual Stimuli in Human Auditory Cortex Correlate with Illusory Auditory Perceptions. PLoS ONE, 2013, 8, e73148.	1.1	23
270	Similarity of Cortical Activity Patterns Predicts generalization Behavior. PLoS ONE, 2013, 8, e78607.	1.1	17
271	Converging toward a common speech code: imitative and perceptuo-motor recalibration processes in speech production. Frontiers in Psychology, 2013, 4, 422.	1.1	30
271 272	Converging toward a common speech code: imitative and perceptuo-motor recalibration processes in		30
	Converging toward a common speech code: imitative and perceptuo-motor recalibration processes in speech production. Frontiers in Psychology, 2013, 4, 422.	1.1	

#	Article	IF	CITATIONS
275	The neural control of singing. Frontiers in Human Neuroscience, 2013, 7, 237.	1.0	100
276	Rhythmic and melodic deviations in musical sequences recruit different cortical areas for mismatch detection. Frontiers in Human Neuroscience, 2013, 7, 260.	1.0	49
277	Language repetition and short-term memory: an integrative framework. Frontiers in Human Neuroscience, 2013, 7, 357.	1.0	108
278	The roles of the "ventral―semantic and "dorsal―pathways in conduite d'approche: a neuroanatomically-constrained computational modeling investigation. Frontiers in Human Neuroscience, 2013, 7, 422.	1.0	37
279	Mapping a lateralization gradient within the ventral stream for auditory speech perception. Frontiers in Human Neuroscience, 2013, 7, 629.	1.0	20
280	The role of accent imitation in sensorimotor integration during processing of intelligible speech. Frontiers in Human Neuroscience, 2013, 7, 634.	1.0	16
281	Dissociated repetition deficits in aphasia can reflect flexible interactions between left dorsal and ventral streams and gender-dimorphic architecture of the right dorsal stream. Frontiers in Human Neuroscience, 2013, 7, 873.	1.0	13
282	Neural and behavioral investigations into timbre perception. Frontiers in Systems Neuroscience, 2013, 7, 88.	1.2	21
283	Varieties of Auditory Attention. , 2013, , .		2
285	The Elusive Role of the Left Temporal Pole (BA38) in Language: A Preliminary Meta-Analytic Connectivity Study. International Journal of Brain Science, 2014, 2014, 1-7.	0.6	21
286	Cortical alpha oscillations as a tool for auditory selective inhibition. Frontiers in Human Neuroscience, 2014, 8, 350.	1.0	142
287	On the definition and interpretation of voice selective activation in the temporal cortex. Frontiers in Human Neuroscience, 2014, 8, 499.	1.0	13
288	Roles of frontal and temporal regions in reinterpreting semantically ambiguous sentences. Frontiers in Human Neuroscience, 2014, 8, 530.	1.0	35
289	The neural processing of foreign-accented speech and its relationship to listener bias. Frontiers in Human Neuroscience, 2014, 8, 768.	1.0	31
290	Are non-human primates capable of rhythmic entrainment? Evidence for the gradual audiomotor evolution hypothesis. Frontiers in Neuroscience, 2013, 7, 274.	1.4	143
291	Neural mechanisms of auditory categorization: from across brain areas to within local microcircuits. Frontiers in Neuroscience, 2014, 8, 161.	1.4	30
292	Processing of spatial sounds in human auditory cortex during visual, discrimination and 2-back tasks. Frontiers in Neuroscience, 2014, 8, 220.	1.4	4
293	Emergence of category-level sensitivities in non-native speech sound learning. Frontiers in Neuroscience, 2014, 8, 238.	1.4	19

#	Article	IF	CITATIONS
294	Differential activation of human core, non-core and auditory-related cortex during speech categorization tasks as revealed by intracranial recordings. Frontiers in Neuroscience, 2014, 8, 240.	1.4	35
295	Speech motor brain regions are differentially recruited during perception of native and foreign-accented phonemes for first and second language listeners. Frontiers in Neuroscience, 2014, 8, 275.	1.4	18
296	The functional organization of the left STS: a large scale meta-analysis of PET and fMRI studies of healthy adults. Frontiers in Neuroscience, 2014, 8, 289.	1.4	46
297	The evolution of music and human social capability. Frontiers in Neuroscience, 2014, 8, 292.	1.4	33
298	Sensitivity of human auditory cortex to rapid frequency modulation revealed by multivariate representational similarity analysis. Frontiers in Neuroscience, 2014, 8, 306.	1.4	11
299	Speech perception under adverse conditions: insights from behavioral, computational, and neuroscience research. Frontiers in Systems Neuroscience, 2014, 7, 126.	1.2	56
300	Speech perception as an active cognitive process. Frontiers in Systems Neuroscience, 2014, 8, 35.	1.2	134
301	Is there a tape recorder in your head? How the brain stores and retrieves musical melodies. Frontiers in Systems Neuroscience, 2014, 8, 149.	1.2	21
303	Plasticity in auditory functions. , 0, , 125-139.		0
304	Noise differentially impacts phoneme representations in the auditory and speech motor systems.  Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7126-7131.	3.3	192
305	Task-Dependent Decoding of Speaker and Vowel Identity from Auditory Cortical Response Patterns. Journal of Neuroscience, 2014, 34, 4548-4557.	1.7	92
306	The Representation of Order Information in Auditory-Verbal Short-Term Memory. Journal of Neuroscience, 2014, 34, 6879-6886.	1.7	48
307	Infants' brain responses to speech suggest Analysis by Synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11238-11245.	3.3	195
308	Sensory-Motor Integration during Speech Production Localizes to Both Left and Right Plana Temporale. Journal of Neuroscience, 2014, 34, 12963-12972.	1.7	27
309	Connectivity-Based Parcellation of the Human Temporal Pole Using Diffusion Tensor Imaging. Cerebral Cortex, 2014, 24, 3365-3378.	1.6	110
310	Speech-Specific Tuning of Neurons in Human Superior Temporal Gyrus. Cerebral Cortex, 2014, 24, 2679-2693.	1.6	121
311	Increased Volume and Function of Right Auditory Cortex as a Marker for Absolute Pitch. Cerebral Cortex, 2014, 24, 1127-1137.	1.6	89
312	Delayed auditory feedback simulates features of nonfluent primary progressive aphasia. Journal of the Neurological Sciences, 2014, 347, 345-348.	0.3	10

#	ARTICLE	IF	CITATIONS
313	Functional organization of human auditory cortex: Investigation of response latencies through direct recordings. NeuroImage, 2014, 101, 598-609.	2.1	78
314	Fronto-parietal network supports context-dependent speech comprehension. Neuropsychologia, 2014, 63, 293-303.	0.7	31
315	The time course of phase correction: A kinematic investigation of motor adjustment to timing perturbations during sensorimotor synchronization Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 2243-2251.	0.7	19
316	Multisensory and modality specific processing of visual speech in different regions of the premotor cortex. Frontiers in Psychology, 2014, 5, 389.	1.1	34
317	Dynamic modulation of shared sensory and motor cortical rhythms mediates speech and non-speech discrimination performance. Frontiers in Psychology, 2014, 5, 366.	1.1	24
318	Not Lost in Translation: Generalization of the Primary Systems Hypothesis to Japanese-specific Language Processes. Journal of Cognitive Neuroscience, 2014, 26, 433-446.	1.1	23
319	Enhanced neural synchrony between left auditory and premotor cortex is associated with successful phonetic categorization. Frontiers in Psychology, 2014, 5, 394.	1.1	34
320	Distinct cortical locations for integration of audiovisual speech and the McGurk effect. Frontiers in Psychology, 2014, 5, 534.	1.1	49
321	Toward a dual-learning systems model of speech category learning. Frontiers in Psychology, 2014, 5, 825.	1.1	41
322	The Auditory Brain-Stem Response to Complex Sounds: A Potential Biomarker for Guiding Treatment of Psychosis. Frontiers in Psychiatry, 2014, 5, 142.	1.3	21
323	Cognitive Spare Capacity and Speech Communication: A Narrative Overview. BioMed Research International, 2014, 2014, 1-10.	0.9	43
324	Transferring knowledge between learning systems. , 2014, , .		1
325	Adult hippocampal neurogenesis and its role in cognition. Wiley Interdisciplinary Reviews: Cognitive Science, 2014, 5, 573-587.	1.4	73
326	Are you listening? Brain activation associated with sustained nonspatial auditory attention in the presence and absence of stimulation. Human Brain Mapping, 2014, 35, 2233-2252.	1.9	24
327	Cortisol administration increases hippocampal activation to infant crying in males depending on childhood neglect. Human Brain Mapping, 2014, 35, 5116-5126.	1.9	19
328	Putting the Listening Brain in Context. Language and Linguistics Compass, 2014, 8, 646-658.	1.3	19
329	Capturing multidimensionality in stroke aphasia: mapping principal behavioural components to neural structures. Brain, 2014, 137, 3248-3266.	3.7	173
330	Beta-band activity in auditory pathways reflects speech localization and recognition in bilateral cochlear implant users. Human Brain Mapping, 2014, 35, 3107-3121.	1.9	16

#	Article	IF	Citations
331	Neural correlates of successful semantic processing during propofol sedation. Human Brain Mapping, 2014, 35, 2935-2949.	1.9	49
332	Crossâ€modal reorganization of cortical afferents to dorsal auditory cortex following early―and lateâ€onset deafness. Journal of Comparative Neurology, 2014, 522, 654-675.	0.9	58
333	Does it talk the talk? On the role of basal ganglia in emotive speech processing. Behavioral and Brain Sciences, 2014, 37, 556-557.	0.4	2
334	The basal ganglia within a cognitive system in birds and mammals. Behavioral and Brain Sciences, 2014, 37, 568-569.	0.4	6
335	The sensorimotor and social sides of the architecture of speech. Behavioral and Brain Sciences, 2014, 37, 569-570.	0.4	33
336	Speech, vocal production learning, and the comparative method. Behavioral and Brain Sciences, 2014, 37, 566-567.	0.4	1
337	The sound of one hand clapping: Overdetermination and the pansensory nature of communication. Behavioral and Brain Sciences, 2014, 37, 546-547.	0.4	0
338	The evolution of coordinated vocalizations before language. Behavioral and Brain Sciences, 2014, 37, 549-550.	0.4	6
339	Why we can talk, debate, and change our minds: Neural circuits, basal ganglia operations, and transcriptional factors. Behavioral and Brain Sciences, 2014, 37, 561-562.	0.4	2
340	Functional neuroimaging of human vocalizations and affective speech. Behavioral and Brain Sciences, 2014, 37, 554-555.	0.4	9
341	Speech prosody, reward, and the corticobulbar system: An integrative perspective. Behavioral and Brain Sciences, 2014, 37, 573-574.	0.4	1
342	Brain mechanisms of acoustic communication in humans and nonhuman primates: An evolutionary perspective. Behavioral and Brain Sciences, 2014, 37, 529-546.	0.4	173
343	Beyond cry and laugh: Toward a multilevel model of language production. Behavioral and Brain Sciences, 2014, 37, 548-549.	0.4	3
344	Early human communication helps in understanding language evolution. Behavioral and Brain Sciences, 2014, 37, 560-561.	0.4	3
345	Comparative analyses of speech and language converge on birds. Behavioral and Brain Sciences, 2014, 37, 547-548.	0.4	4
346	Echoes of the spoken past: how auditory cortex hears context during speech perception. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130297.	1.8	61
347	Very young infants' responses to human and nonhuman primate vocalizations. Behavioral and Brain Sciences, 2014, 37, 553-554.	0.4	1
348	Vocal learning, prosody, and basal ganglia: Don't underestimate their complexity. Behavioral and Brain Sciences, 2014, 37, 570-571.	0.4	7

#	Article	IF	CITATIONS
349	Physical mechanisms may be as important as brain mechanisms in evolution of speech. Behavioral and Brain Sciences, 2014, 37, 552-553.	0.4	5
350	Environments organize the verbal brain. Behavioral and Brain Sciences, 2014, 37, 550-551.	0.4	1
351	Why vocal production of atypical sounds in apes and its cerebral correlates have a lot to say about the origin of language. Behavioral and Brain Sciences, 2014, 37, 565-566.	0.4	3
352	En route to disentangle the impact and neurobiological substrates of early vocalizations: Learning from Rett syndrome. Behavioral and Brain Sciences, 2014, 37, 562-563.	0.4	7
353	Perceptual elements in brain mechanisms of acoustic communication in humans and nonhuman primates. Behavioral and Brain Sciences, 2014, 37, 571-572.	0.4	1
354	Differences in auditory timing between human and nonhuman primates. Behavioral and Brain Sciences, 2014, 37, 557-558.	0.4	32
355	Vocal communication is multi-sensorimotor coordination within and between individuals. Behavioral and Brain Sciences, 2014, 37, 572-573.	0.4	0
356	Evolution of affective and linguistic disambiguation under social eavesdropping pressures. Behavioral and Brain Sciences, 2014, 37, 551-552.	0.4	7
357	Neanderthals did speak, but FOXP2 doesn't prove it. Behavioral and Brain Sciences, 2014, 37, 558-559.	0.4	2
358	Voluntary and involuntary processes affect the production of verbal and non-verbal signals by the human voice. Behavioral and Brain Sciences, 2014, 37, 564-565.	0.4	7
359	Contribution of the basal ganglia to spoken language: Is speech production like the other motor skills?. Behavioral and Brain Sciences, 2014, 37, 576-576.	0.4	14
360	Phonation takes precedence over articulation in development as well as evolution of language. Behavioral and Brain Sciences, 2014, 37, 567-568.	0.4	3
361	Functions of the cortico-basal ganglia circuits for spoken language may extend beyond emotional-affective modulation in adults. Behavioral and Brain Sciences, 2014, 37, 555-556.	0.4	1
362	Modification of spectral features by nonhuman primates. Behavioral and Brain Sciences, 2014, 37, 574-576.	0.4	5
363	Auditory–prefrontal axonal connectivity in the macaque cortex: Quantitative assessment of processing streams. Brain and Language, 2014, 135, 73-84.	0.8	4
364	Phylogenetic reorganization of the basal ganglia: A necessary, but not the only, bridge over a primate Rubicon of acoustic communication. Behavioral and Brain Sciences, 2014, 37, 577-604.	0.4	18
365	Music Perception: Information Flow Within the Human Auditory Cortices. Advances in Experimental Medicine and Biology, 2014, 829, 293-303.	0.8	8
366	The evolutionary neuroscience of musical beat perception: the Action Simulation for Auditory Prediction (ASAP) hypothesis. Frontiers in Systems Neuroscience, 2014, 8, 57.	1.2	307

#	ARTICLE	IF	Citations
367	Speech as a breakthrough signaling resource in the cognitive evolution of biological complex adaptive systems. Behavioral and Brain Sciences, 2014, 37, 563-564.	0.4	2
368	The Pathways for Intelligible Speech: Multivariate and Univariate Perspectives. Cerebral Cortex, 2014, 24, 2350-2361.	1.6	73
369	Auditory-Cortex Short-Term Plasticity Induced by Selective Attention. Neural Plasticity, 2014, 2014, 1-11.	1.0	17
370	The forgotten role of consonant-like calls in theories of speech evolution. Behavioral and Brain Sciences, 2014, 37, 559-560.	0.4	12
371	Auditory neuroimaging with fMRI and PET. Hearing Research, 2014, 307, 4-15.	0.9	30
372	Brain activity is related to individual differences in the number of items stored in auditory short-term memory for pitch: Evidence from magnetoencephalography. Neurolmage, 2014, 94, 96-106.	2.1	32
373	Towards a Computational Model of Actor-Based Language Comprehension. Neuroinformatics, 2014, 12, 143-179.	1.5	26
374	An Integrative Model of Subcortical Auditory Plasticity. Brain Topography, 2014, 27, 539-552.	0.8	58
375	The Language Connectome. Neuroscientist, 2014, 20, 453-467.	2.6	259
376	Broad intrinsic functional connectivity boundaries of the macaque prefrontal cortex. Neurolmage, 2014, 88, 202-211.	2.1	24
377	Differential Coding of Conspecific Vocalizations in the Ventral Auditory Cortical Stream. Journal of Neuroscience, 2014, 34, 4665-4676.	1.7	39
378	Attention Fine-Tunes Auditory–Motor Processing of Speech Sounds. Journal of Neuroscience, 2014, 34, 4064-4069.	1.7	51
379	Impact of glutamate levels on neuronal response and cognitive abilities in schizophrenia. NeuroImage: Clinical, 2014, 4, 576-584.	1.4	53
380	Neural processing of natural sounds. Nature Reviews Neuroscience, 2014, 15, 355-366.	4.9	192
381	Mapping hemispheric symmetries, relative asymmetries, and absolute asymmetries underlying the auditory laterality effect. Neurolmage, 2014, 84, 962-970.	2.1	43
382	Psychophysics and neuronal bases of sound localization in humans. Hearing Research, 2014, 307, 86-97.	0.9	74
383	Stimulus-dependent activations and attention-related modulations inÂthe auditory cortex: A meta-analysis of fMRI studies. Hearing Research, 2014, 307, 29-41.	0.9	111
384	Neuronal basis of speech comprehension. Hearing Research, 2014, 307, 121-135.	0.9	59

#	Article	IF	CITATIONS
385	Sensory–motor transformations for speech occur bilaterally. Nature, 2014, 507, 94-98.	13.7	200
386	Neurobiology of Interval Timing. Advances in Experimental Medicine and Biology, 2014, , .	0.8	26
387	The neuroanatomic and neurophysiological infrastructure for speech and language. Current Opinion in Neurobiology, 2014, 28, 142-149.	2.0	185
388	Object Concepts in the Chemical Senses. Cognitive Science, 2014, 38, 1360-1383.	0.8	19
389	Temporal scaling of neural responses to compressed and dilated natural speech. Journal of Neurophysiology, 2014, 111, 2433-2444.	0.9	67
390	The architecture of speech production and the role of the phoneme in speech processing. Language, Cognition and Neuroscience, 2014, 29, 2-20.	0.7	115
391	Mismatch negativity (MMN) reveals inefficient auditory ventral stream function in chronic auditory comprehension impairments. Cortex, 2014, 59, 113-125.	1.1	11
392	Selectivity for space and time in early areas of the auditory dorsal stream in the rhesus monkey. Journal of Neurophysiology, 2014, 111, 1671-1685.	0.9	41
393	Automatic domain-general processing of sound source identity in the left posterior middle frontal gyrus. Cortex, 2014, 58, 170-185.	1.1	15
394	A dorsal-pathway account of aphasic language production: The WEAVER++/ARC model. Cortex, 2014, 59, 33-48.	1.1	70
395	Differences in sensory processing of German vowels and physically matched non-speech sounds as revealed by the mismatch negativity (MMN) of the human event-related brain potential (ERP). Brain and Language, 2014, 136, 8-18.	0.8	18
397	Natural variability in species-specific vocalizations constrains behavior and neural activity. Hearing Research, 2014, 312, 128-142.	0.9	8
398	An Informatics Approach to Integrating Genetic and Neurological Data in Speech and Language Neuroscience. Neuroinformatics, 2014, 12, 39-62.	1.5	9
399	Continuous affective states recognition using functional near infrared spectroscopy. Brain-Computer Interfaces, 2014, 1, 113-125.	0.9	11
400	Neural bases of imitation and pantomime in acute stroke patients: distinct streams for praxis. Brain, 2014, 137, 2796-2810.	3.7	130
401	Left-hemisphere activation is associated with enhanced vocal pitch error detection in musicians with absolute pitch. Brain and Cognition, 2014, 84, 97-108.	0.8	44
402	Neural correlates of infant accent discrimination: an <scp>fNIRS</scp> study. Developmental Science, 2014, 17, 628-635.	1.3	24
403	Using neuroimaging to understand the cortical mechanisms of auditory selective attention. Hearing Research, 2014, 307, 111-120.	0.9	86

#	Article	IF	CITATIONS
404	Behavioral correlates of auditory streaming in rhesus macaques. Hearing Research, 2014, 309, 17-25.	0.9	23
405	Disrupted white matter in language and motor tracts in developmental stuttering. Brain and Language, 2014, 131, 25-35.	0.8	92
406	From sensorimotor learning to memory cells in prefrontal and temporal association cortex: A neurocomputational study of disembodiment. Cortex, 2014, 57, 1-21.	1.1	48
407	A bilateral cortical network responds to pitch perturbations in speech feedback. NeuroImage, 2014, 86, 525-535.	2.1	71
408	Mental structures and hierarchical brain processing. Physics of Life Reviews, 2014, 11, 380-381.	1.5	1
409	Dynamic speech representations in the human temporal lobe. Trends in Cognitive Sciences, 2014, 18, 472-479.	4.0	82
410	Cortical plasticity and preserved function in early blindness. Neuroscience and Biobehavioral Reviews, 2014, 41, 53-63.	2.9	129
411	Jazz Drummers Recruit Language-Specific Areas for the Processing of Rhythmic Structure. Cerebral Cortex, 2014, 24, 836-843.	1.6	44
412	Changes of right-hemispheric activation after constraint-induced, intensive language action therapy in chronic aphasia: fMRI evidence from auditory semantic processing 1. Frontiers in Human Neuroscience, 2014, 8, 919.	1.0	41
413	Hierarchical organization of speech perception in human auditory cortex. Frontiers in Neuroscience, 2014, 8, 406.	1.4	28
414	Neural pathways for visual speech perception. Frontiers in Neuroscience, 2014, 8, 386.	1.4	120
415	Neural correlates of auditory recognition memory in the primate dorsal temporal pole. Journal of Neurophysiology, 2014, 111, 455-469.	0.9	32
416	Musical nuance task shows reliable differences between musicians and nonmusicians Psychomusicology: Music, Mind and Brain, 2014, 24, 207-213.	1.1	0
417	An ALE metaâ€analysis on the audiovisual integration of speech signals. Human Brain Mapping, 2014, 35, 5587-5605.	1.9	33
418	Taskâ€sensitive reconfiguration of corticocortical 6–20 Hz oscillatory coherence in naturalistic human performance. Human Brain Mapping, 2015, 36, 2455-2469.	1.9	15
419	From perceptual to lexicoâ€semantic analysis—cortical plasticity enabling new levels of processing. Human Brain Mapping, 2015, 36, 4512-4528.	1.9	9
420	Transfer Effect of Speech-sound Learning on Auditory-motor Processing of Perceived Vocal Pitch Errors. Scientific Reports, 2015, 5, 13134.	1.6	16
421	Evidence for high-level feature encoding and persistent memory during auditory stream segregation Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 1563-1575.	0.7	2

#	Article	IF	CITATIONS
422	Distributed acoustic cues for caller identity in macaque vocalization. Royal Society Open Science, 2015, 2, 150432.	1.1	15
424	Functional Mapping of the Human Auditory Cortex. Cognitive and Behavioral Neurology, 2015, 28, 160-180.	0.5	16
425	What's left in language? Beyond the classical model. Annals of the New York Academy of Sciences, 2015, 1359, 14-29.	1.8	30
426	The NOLB model: a model of the natural organization of language and the brain. , 0, , 101-134.		26
427	Altered retrieval of melodic information in congenital amusia: insights from dynamic causal modeling of MEG data. Frontiers in Human Neuroscience, 2015, 9, 20.	1.0	55
428	A review on functional and structural brain connectivity in numerical cognition. Frontiers in Human Neuroscience, 2015, 9, 227.	1.0	82
429	Space distribution of EEG responses to hanoi-moving visual and auditory stimulation with Fourier Independent Component Analysis. Frontiers in Human Neuroscience, 2015, 9, 405.	1.0	1
430	Neural bases of accented speech perception. Frontiers in Human Neuroscience, 2015, 9, 558.	1.0	13
431	Identifying environmental sounds: a multimodal mapping study. Frontiers in Human Neuroscience, 2015, 9, 567.	1.0	8
432	Moving to the Beat and Singing are Linked in Humans. Frontiers in Human Neuroscience, 2015, 9, 663.	1.0	15
433	Functional MRI of the vocalization-processing network in the macaque brain. Frontiers in Neuroscience, 2015, 9, 113.	1.4	49
434	The neural processing of hierarchical structure in music and speech at different timescales. Frontiers in Neuroscience, 2015, 9, 157.	1.4	50
435	The effect of precision and power grips on activations in human auditory cortex. Frontiers in Neuroscience, 2015, 9, 378.	1.4	17
436	Neural Networks for Beat Perception in Musical Rhythm. Frontiers in Systems Neuroscience, 2015, 9, 159.	1.2	175
437	Distinct Effects of Memory Retrieval and Articulatory Preparation when Learning and Accessing New Word Forms. PLoS ONE, 2015, 10, e0126652.	1.1	9
438	Priming Gestures with Sounds. PLoS ONE, 2015, 10, e0141791.	1.1	6
439	It takes twoâ€"coincidence coding within the dual olfactory pathway of the honeybee. Frontiers in Physiology, 2015, 6, 208.	1.3	19
440	Two routes to actorhood: lexicalized potency to act and identification of the actor role. Frontiers in Psychology, 2015, 6, 1.	1.1	1,451

#	Article	IF	CITATIONS
441	EEG decoding of spoken words in bilingual listeners: from words to language invariant semantic-conceptual representations. Frontiers in Psychology, 2015, 6, 71.	1.1	116
442	Audiovisual integration of speech in a patient with Broca's Aphasia. Frontiers in Psychology, 2015, 6, 435.	1.1	11
443	Visual speech discrimination and identification of natural and synthetic consonant stimuli. Frontiers in Psychology, 2015, 6, 878.	1.1	20
444	Is the auditory system cognitively penetrable?. Frontiers in Psychology, 2015, 6, 1166.	1.1	4
445	The simultaneous perception of auditory–tactile stimuli in voluntary movement. Frontiers in Psychology, 2015, 6, 1429.	1.1	5
446	Processing of pitch and location in human auditory cortex during visual and auditory tasks. Frontiers in Psychology, 2015, 6, 1678.	1.1	10
447	A Proposed Neurological Interpretation of Language Evolution. Behavioural Neurology, 2015, 2015, 1-16.	1.1	15
448	Speech Processing, The Cortical Organization of. , 2015, , 243-249.		0
449	Imaging of Cortical and White Matter Language Processing. Seminars in Ultrasound, CT and MRI, 2015, 36, 249-259.	0.7	15
450	Two Distinct Auditory-Motor Circuits for Monitoring Speech Production as Revealed by Content-Specific Suppression of Auditory Cortex. Cerebral Cortex, 2015, 25, 1576-1586.	1.6	34
451	Meaning in the avian auditory cortex: neural representation of communication calls. European Journal of Neuroscience, 2015, 41, 546-567.	1.2	39
452	From Action to Typology? A Neuroâ€evolutionary Perspective. Language and Linguistics Compass, 2015, 9, 102-117.	1.3	1
453	The cortical analysis of speech-specific temporal structure revealed by responses to sound quilts. Nature Neuroscience, 2015, 18, 903-911.	7.1	173
454	A single dual-stream framework for syntactic computations in music and language. Neurolmage, 2015, 117, 267-283.	2.1	63
455	Dual-echo fMRI can detect activations in inferior temporal lobe during intelligible speech comprehension. Neurolmage, 2015, 122, 214-221.	2.1	33
456	Human Language, Evolution of., 2015, , 323-328.		0
457	fMRI reveals lateralized pattern of brain activity modulated by the metrics of stimuli during auditory rhyme processing. Brain and Language, 2015, 147, 41-50.	0.8	13
458	Transport for language south of the Sylvian fissure: The routes and history of the main tracts and stations in the ventral language network. Cortex, 2015, 69, 141-151.	1.1	68

#	Article	IF	Citations
459	Sound localization. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 129, 99-116.	1.0	77
460	Invasive recordings in the human auditory cortex. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 129, 225-244.	1.0	50
461	Mapping cortical responses to speech using high-density diffuse optical tomography. NeuroImage, 2015, 117, 319-326.	2.1	32
462	Audio-Vocal Interaction in Single Neurons of the Monkey Ventrolateral Prefrontal Cortex. Journal of Neuroscience, 2015, 35, 7030-7040.	1.7	60
463	Representations of Invariant Musical Categories Are Decodable by Pattern Analysis of Locally Distributed BOLD Responses in Superior Temporal and Intraparietal Sulci. Cerebral Cortex, 2015, 25, 1947-1957.	1.6	24
464	Fusion and Fission of Cognitive Functions in the Human Parietal Cortex. Cerebral Cortex, 2015, 25, 3547-3560.	1.6	217
465	Brain Network Connectivity During Language Comprehension: Interacting Linguistic and Perceptual Subsystems. Cerebral Cortex, 2015, 25, 3962-3976.	1.6	25
466	Distinct Cortical Pathways for Music and Speech Revealed by Hypothesis-Free Voxel Decomposition. Neuron, 2015, 88, 1281-1296.	3.8	305
467	Compositionality and the angular gyrus: A multi-voxel similarity analysis of the semantic composition of nouns and verbs. Neuropsychologia, 2015, 78, 130-141.	0.7	59
468	Intrinsic Connections of the Core Auditory Cortical Regions and Rostral Supratemporal Plane in the Macaque Monkey. Cerebral Cortex, 2017, 27, bhv277.	1.6	20
470	Investigation of Heschl's gyrus and planum temporale in patients with schizophrenia and bipolar disorder: A proton magnetic resonance spectroscopy study. Schizophrenia Research, 2015, 161, 202-209.	1.1	28
471	Sensory–motor networks involved in speech production and motor control: An fMRI study. NeuroImage, 2015, 109, 418-428.	2.1	144
472	An OP4 Functional Stream in the Language-Related Neuroarchitecture. Cerebral Cortex, 2015, 25, 658-666.	1.6	22
473	Neurobiological roots of language in primate audition: common computational properties. Trends in Cognitive Sciences, 2015, 19, 142-150.	4.0	225
474	The relation of object naming and other visual speech production tasks: A large scale voxel-based morphometric study. NeuroImage: Clinical, 2015, 7, 463-475.	1.4	22
475	Modulation of the motor cortex during singing-voice perception. Neuropsychologia, 2015, 70, 58-63.	0.7	11
476	Representation of pitch chroma by multi-peak spectral tuning in human auditory cortex. Neurolmage, 2015, 106, 161-169.	2.1	12
477	Left Dorsal Speech Stream Components and Their Contribution to Phonological Processing. Journal of Neuroscience, 2015, 35, 1411-1422.	1.7	57

#	Article	IF	CITATIONS
478	Determination of the posterior boundary of <scp>W</scp> ernicke's area based on multimodal connectivity profiles. Human Brain Mapping, 2015, 36, 1908-1924.	1.9	52
479	White matter neuroanatomical differences in young children who stutter. Brain, 2015, 138, 694-711.	3.7	115
480	Multiple brain networks underpinning word learning from fluent speech revealed by independent component analysis. Neurolmage, 2015, 110, 182-193.	2.1	41
481	Putative mechanisms mediating tolerance for audiovisual stimulus onset asynchrony. Journal of Neurophysiology, 2015, 113, 1437-1450.	0.9	23
482	Natural asynchronies in audiovisual communication signals regulate neuronal multisensory interactions in voice-sensitive cortex. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 273-278.	3.3	47
483	Bilateral dorsal and ventral fiber pathways for the processing of affective prosody identified by probabilistic fiber tracking. NeuroImage, 2015, 109, 27-34.	2.1	45
484	Different forms of effective connectivity in primate frontotemporal pathways. Nature Communications, 2015, 6, 6000.	5.8	35
485	The ins and outs of meaning: Behavioral and neuroanatomical dissociation of semantically-driven word retrieval and multimodal semantic recognition in aphasia. Neuropsychologia, 2015, 76, 208-219.	0.7	82
486	Auditory and visual cortex of primates: a comparison of two sensory systems. European Journal of Neuroscience, 2015, 41, 579-585.	1.2	38
487	Intrahemispheric cortico-cortical connections of the human auditory cortex. Brain Structure and Function, 2015, 220, 3537-3553.	1.2	28
488	Cortical thickness gradients in structural hierarchies. Neurolmage, 2015, 111, 241-250.	2.1	155
490	White-matter pathways for speech and language processing. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 129, 177-186.	1.0	86
491	Acquired amusia. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 129, 607-631.	1.0	13
492	Anatomic organization of the auditory cortex. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 129, 27-53.	1.0	81
493	Neural basis of speech perception. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 129, 149-160.	1.0	85
494	Expert music performance: cognitive, neural, and developmental bases. Progress in Brain Research, 2015, 217, 57-86.	0.9	60
495	Update in Aphasia Research. Current Neurology and Neuroscience Reports, 2015, 15, 49.	2.0	12
496	Early Auditory Processing. , 2015, , 537-542.		0

#	Article	IF	Citations
497	Impact of Cognitive Neuroscience on Stroke Rehabilitation. Stroke, 2015, 46, 1408-1413.	1.0	14
498	Phonology and arithmetic in the language–calculation network. Brain and Language, 2015, 143, 97-105.	0.8	25
499	Working-memory endophenotype and dyslexia-associated genetic variant predict dyslexia phenotype. Cortex, 2015, 71, 291-305.	1.1	23
500	The Neurobiological Grounding of Persistent Stuttering: from Structure to Function. Current Neurology and Neuroscience Reports, 2015, 15, 63.	2.0	104
501	Electrostimulation mapping of comprehension of auditory and visual words. Cortex, 2015, 71, 398-408.	1.1	39
502	BOLD fMRI study of ultrahigh frequency encoding in the inferior colliculus. NeuroImage, 2015, 114, 427-437.	2.1	14
503	From bird to sparrow: Learning-induced modulations in fine-grained semantic discrimination. Neurolmage, 2015, 118, 163-173.	2.1	11
504	Relationship Between Cortical Thickness and Functional Activation in the Early Blind. Cerebral Cortex, 2015, 25, 2035-2048.	1.6	86
505	Sensorimotor Learning Enhances Expectations During Auditory Perception. Cerebral Cortex, 2015, 25, 2238-2254.	1.6	30
506	Speech networks at rest and in action: interactions between functional brain networks controlling speech production. Journal of Neurophysiology, 2015, 113, 2967-2978.	0.9	60
507	A Dual-Stream Neuroanatomy of Singing. Music Perception, 2015, 32, 232-241.	0.5	35
508	Language Processing, Functional Magnetic Resonance Imaging of., 2015,, 368-380.		4
509	Auditory Cortex. , 2015, , 299-304.		0
510	Structural and Functional Components of Brain Networks for Language. , 2015, , 653-659.		0
511	Speech Perception., 2015,, 429-434.		3
512	Syntax in the Brain. , 2015, , 461-468.		5
513	Roaring lions and chirruping lemurs: How the brain encodes sound objects in space. Neuropsychologia, 2015, 75, 304-313.	0.7	8
514	Predicting brain activation patterns associated with individual lexical concepts based on five sensory-motor attributes. Neuropsychologia, 2015, 76, 17-26.	0.7	52

#	Article	IF	Citations
515	Grounding language processing on basic neurophysiological principles. Trends in Cognitive Sciences, 2015, 19, 329-338.	4.0	110
516	Bilinguals at the "cocktail party― Dissociable neural activity in auditory–linguistic brain regions reveals neurobiological basis for nonnative listeners' speech-in-noise recognition deficits. Brain and Language, 2015, 143, 32-41.	0.8	52
517	Neural organization of spoken language revealed by lesion–symptom mapping. Nature Communications, 2015, 6, 6762.	5.8	235
518	Auditory Properties in the Parabelt Regions of the Superior Temporal Gyrus in the Awake Macaque Monkey: An Initial Survey. Journal of Neuroscience, 2015, 35, 4140-4150.	1.7	27
519	Semantic retrieval during overt picture description: Left anterior temporal or the parietal lobe?. Neuropsychologia, 2015, 76, 125-135.	0.7	24
520	The effects of hearing loss on neural processing and plasticity. Frontiers in Systems Neuroscience, 2015, 9, 35.	1.2	24
521	A causal test of the motor theory of speech perception: a case of impaired speech production and spared speech perception. Cognitive Neuropsychology, 2015, 32, 38-57.	0.4	17
522	Neural and Behavioral Correlates of Auditory Short-Term and Recognition Memory. , 2015, , 187-200.		1
523	Subthreshold membrane responses underlying sparse spiking to natural vocal signals in auditory cortex. European Journal of Neuroscience, 2015, 41, 725-733.	1.2	10
524	Responses of primate frontal cortex neurons during natural vocal communication. Journal of Neurophysiology, 2015, 114, 1158-1171.	0.9	76
525	The C957T polymorphism in the dopamine receptor D <sub>2</sub> gene modulates domain-general category learning. Journal of Neurophysiology, 2015, 113, 3281-3290.	0.9	8
526	"Intelligent design―of grammars – a result of cognitive evolution. , 2015, , 203-238.		3
527	Musical expertise is related to altered functional connectivity during audiovisual integration.  Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12522-12527.	3.3	44
528	Low-Frequency Cortical Entrainment to Speech Reflects Phoneme-Level Processing. Current Biology, 2015, 25, 2457-2465.	1.8	463
529	Auditory midbrain processing is differentially modulated by auditory and visual cortices: An auditory fMRI study. NeuroImage, 2015, 123, 22-32.	2.1	24
530	High-gamma band fronto-temporal coherence as a measure of functional connectivity in speech motor control. Neuroscience, 2015, 305, 15-25.	1.1	31
531	Dorsal and Ventral Pathways for Prosody. Current Biology, 2015, 25, 3079-3085.	1.8	175
532	Repetitive transcranial magnetic stimulation over left angular gyrus modulates the predictability gain in degraded speech comprehension. Cortex, 2015, 68, 100-110.	1.1	65

#	Article	IF	CITATIONS
533	Evidence for Cerebellar Contributions to Adaptive Plasticity in Speech Perception. Cerebral Cortex, 2015, 25, 1867-1877.	1.6	40
534	Contemporary model of language organization: an overview for neurosurgeons. Journal of Neurosurgery, 2015, 122, 250-261.	0.9	314
535	Neural correlates of auditory scene analysis and perception. International Journal of Psychophysiology, 2015, 95, 238-245.	0.5	18
536	Modulation of response patterns in human auditory cortex during a target detection task: An intracranial electrophysiology study. International Journal of Psychophysiology, 2015, 95, 191-201.	0.5	25
537	Large-Scale Brain Networks of the Human Left Temporal Pole: A Functional Connectivity MRI Study. Cerebral Cortex, 2015, 25, 680-702.	1.6	169
538	The left inferior fronto-occipital fasciculus subserves language semantics: a multilevel lesion study. Brain Structure and Function, 2015, 220, 1983-1995.	1.2	202
539	Source Analysis of Event-Related Potentials During Pitch Discrimination and Pitch Memory Tasks. Brain Topography, 2015, 28, 445-458.	0.8	1
540	The Neurobiology of Gesture and Its Development. , 2016, , 389-398.		0
541	Human Auditory Cortex., 2016,, 49-58.		3
542	The Dual Loop Model in Language. , 2016, , 325-337.		3
543	Speech Motor Control from a Modern Control Theory Perspective. , 2016, , 221-238.		4
544	Cerebellum and Grammar Processing. , 2016, , 81-105.		6
545	The Phonetic Cerebellum. , 2016, , 1-32.		6
546	Music and Brain Plasticity. , 2016, , .		7
547	Understanding Speech in the Context of Variability. , 2016, , 195-208.		9
548	Brain Language Mechanisms Built on Action and Perception. , 2016, , 311-324.		7
549	The Argument Dependency Model. , 2016, , 357-369.		4
550	Phoneme Perception., 2016,, 447-461.		6

#	Article	IF	CITATIONS
551	A Neurophysiological Perspective on Speech Processing in "The Neurobiology of Language― , 2016, , 463-478.		10
552	Direct Cortical Neurophysiology of Speech Perception. , 2016, , 479-489.		5
553	The Neurobiology of Lexical Access. , 2016, , 541-555.		5
554	The Timecourse of Sentence Processing in the Brain. , 2016, , 607-620.		10
555	Pathways and Streams in the Auditory Cortex. , 2016, , 287-298.		3
556	Electrocorticographic Activation within Human Auditory Cortex during Dialog-Based Language and Cognitive Testing. Frontiers in Human Neuroscience, 2016, 10, 202.	1.0	26
557	Is the Sensorimotor Cortex Relevant for Speech Perception and Understanding? An Integrative Review. Frontiers in Human Neuroscience, 2016, 10, 435.	1.0	99
558	Fronto-Parietal Contributions to Phonological Processes in Successful Artificial Grammar Learning. Frontiers in Human Neuroscience, 2016, 10, 551.	1.0	12
559	From Mimicry to Language: A Neuroanatomically Based Evolutionary Model of the Emergence of Vocal Language. Frontiers in Neuroscience, 2016, 10, 307.	1.4	4
560	The Language, Tone and Prosody of Emotions: Neural Substrates and Dynamics of Spoken-Word Emotion Perception. Frontiers in Neuroscience, 2016, 10, 506.	1.4	70
561	The auditory representation of speech sounds in human motor cortex. ELife, 2016, 5, .	2.8	129
562	Development of the Intrinsic Language Network in Preschool Children from Ages 3 to 5 Years. PLoS ONE, 2016, 11, e0165802.	1.1	23
563	Neural Basis of Speech Perception. , 2016, , 299-310.		41
564	Language Processing as Cue Integration: Grounding the Psychology of Language in Perception and Neurophysiology. Frontiers in Psychology, 2016, 7, 120.	1.1	78
565	Vowels and Consonants in the Brain: Evidence from Magnetoencephalographic Studies on the N1m in Normal-Hearing Listeners. Frontiers in Psychology, 2016, 7, 1413.	1.1	18
566	Roles of Supplementary Motor Areas in Auditory Processing and Auditory Imagery. Trends in Neurosciences, 2016, 39, 527-542.	4.2	176
567	Using effective connectivity analyses to understand processing architecture: response to commentaries by Samuel, Spivey and McQueen, Eisner and Norris. Language, Cognition and Neuroscience, 2016, 31, 869-875.	0.7	1
568	A Bayesian probit model with spatially varying coefficients for brain decoding using fMRI data. Statistics in Medicine, 2016, 35, 4380-4397.	0.8	4

#	Article	IF	CITATIONS
569	The neural dynamics of somatosensory processing and adaptation across childhood: a high-density electrical mapping study. Journal of Neurophysiology, 2016, 115, 1605-1619.	0.9	12
570	Speech Perception and Spoken Word Recognition. , 0, , .		11
571	Predicting "When―in Discourse Engages the Human Dorsal Auditory Stream: An fMRI Study Using Naturalistic Stories. Journal of Neuroscience, 2016, 36, 12180-12191.	1.7	25
572	Distinct neural systems recruited when speech production is modulated by different masking sounds. Journal of the Acoustical Society of America, 2016, 140, 8-19.	0.5	15
573	Revealing the dual streams of speech processing. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 15108-15113.	3.3	127
574	Increased activity in frontal motor cortex compensates impaired speech perception in older adults. Nature Communications, 2016, 7, 12241.	5.8	139
575	Neuronal interactions in areas of spatial attention reflect avoidance of disgust, but orienting to danger. Neurolmage, 2016, 134, 94-104.	2.1	13
576	Convergent evidence for the causal involvement ofÂanterior superior temporal gyrus in auditory single-word comprehension. Cortex, 2016, 77, 164-166.	1.1	21
577	Physiology, Psychoacoustics and Cognition in Normal and Impaired Hearing. Advances in Experimental Medicine and Biology, 2016, , .	0.8	11
578	Functional Organization of the Ventral Auditory Pathway. Advances in Experimental Medicine and Biology, 2016, 894, 381-388.	0.8	7
579	Cohesion and Joint Speech: Right Hemisphere Contributions to Synchronized Vocal Production. Journal of Neuroscience, 2016, 36, 4669-4680.	1.7	30
580	Representational Mechanisms. Studies in Brain and Mind, 2016, , 37-89.	0.5	0
581	When brain regions talk to each other during speech processing, what are they talking about? Commentary on Gow and Olson (2015). Language, Cognition and Neuroscience, 2016, 31, 860-863.	0.7	4
582	Sentence understanding depends on contextual use of semantic and real world knowledge. Neurolmage, 2016, 136, 10-25.	2.1	8
583	The sound of emotions—Towards a unifying neural network perspective of affective sound processing. Neuroscience and Biobehavioral Reviews, 2016, 68, 96-110.	2.9	151
585	Atypical right hemisphere response to slow temporal modulations in children with developmental dyslexia. NeuroImage, 2016, 143, 40-49.	2.1	60
586	Componential Network for the Recognition of Tool-Associated Actions: Evidence from Voxel-based Lesion-Symptom Mapping in Acute Stroke Patients. Cerebral Cortex, 2016, 27, 4139-4152.	1.6	13
587	Neuroimaging of the bilingual brain: Structural brain correlates of listening and speaking in a second language. Brain and Language, 2016, 162, 1-9.	0.8	74

#	Article	IF	CITATIONS
588	Neural speech recognition: continuous phoneme decoding using spatiotemporal representations of human cortical activity. Journal of Neural Engineering, 2016, 13, 056004.	1.8	74
589	Conceptual grounding of language in action and perception: a neurocomputational model of the emergence of category specificity and semantic hubs. European Journal of Neuroscience, 2016, 43, 721-737.	1.2	72
590	Broca and Wernicke are dead, or moving past the classic model of language neurobiology. Brain and Language, 2016, 162, 60-71.	0.8	349
591	Neural networks for harmonic structure in music perception and action. Neurolmage, 2016, 142, 454-464.	2.1	65
592	The Left, The Better: White-Matter Brain Integrity Predicts Foreign Language Imitation Ability. Cerebral Cortex, 2017, 27, 3906-3917.	1.6	26
593	Dual Neural Network Model for the Evolution of Speech and Language. Trends in Neurosciences, 2016, 39, 813-829.	4.2	117
594	The neurobiology of language: Relevance to linguistics. Yearbook of the Poznan Linguistic Meeting, 2016, 2, 49-66.	0.2	18
595	Neurobiological Basis of Language Learning Difficulties. Trends in Cognitive Sciences, 2016, 20, 701-714.	4.0	164
596	The impact of parkinson's disease on the cortical mechanisms that support auditory–motor integration for voice control. Human Brain Mapping, 2016, 37, 4248-4261.	1.9	64
597	Mapping the cortical representation of speech sounds in a syllable repetition task. NeuroImage, 2016, 141, 174-190.	2.1	25
598	Classifying song and speech: effects of focal temporal lesions and musical disorder. Neurocase, 2016, 22, 496-504.	0.2	2
599	Evolutionary origins of non-adjacent sequence processing in primate brain potentials. Scientific Reports, 2016, 6, 36259.	1.6	39
600	When sentences live up to your expectations. NeuroImage, 2016, 124, 641-653.	2.1	31
601	Predictive Brain Mechanisms in Sound-to-Meaning Mapping during Speech Processing. Journal of Neuroscience, 2016, 36, 10813-10822.	1.7	17
602	Near-instant automatic access to visually presented words in the human neocortex: neuromagnetic evidence. Scientific Reports, 2016, 6, 26558.	1.6	17
603	The Declarative/Procedural Model. , 2016, , 953-968.		149
604	Auditory distance perception in humans: a review of cues, development, neuronal bases, and effects of sensory loss. Attention, Perception, and Psychophysics, 2016, 78, 373-395.	0.7	164
606	What the Networks Tell us about Serial and Parallel Processing. Mental Lexicon, 2016, 11, 115-160.	0.2	3

#	Article	IF	CITATIONS
607	The Role of Local and Large-Scale Neuronal Synchronization in Human Cognition., 2016, , 51-67.		3
608	The role of the supplementary motor area for speech and language processing. Neuroscience and Biobehavioral Reviews, 2016, 68, 602-610.	2.9	196
609	The Neural Consequences of Age-Related Hearing Loss. Trends in Neurosciences, 2016, 39, 486-497.	4.2	197
610	Dual-stream accounts bridge the gap between monkey audition and human language processing. Physics of Life Reviews, 2016, 16, 69-70.	1.5	3
611	Deciphering phonemes from syllables in blood oxygenation levelâ€dependent signals in human superior temporal gyrus. European Journal of Neuroscience, 2016, 43, 773-781.	1.2	12
612	Concept Representation Reflects Multimodal Abstraction: A Framework for Embodied Semantics. Cerebral Cortex, 2016, 26, 2018-2034.	1.6	200
613	The Dual-Loop Model and the Human Mirror Neuron System: an Exploratory Combined fMRI and DTI Study of the Inferior Frontal Gyrus. Cerebral Cortex, 2016, 26, 2215-2224.	1.6	47
614	Functional Topography of Human Auditory Cortex. Journal of Neuroscience, 2016, 36, 1416-1428.	1.7	91
615	The Role of Corticostriatal Systems in Speech Category Learning. Cerebral Cortex, 2016, 26, 1409-1420.	1.6	54
616	A Neural Substrate for Rapid Timbre Recognition? Neural and Behavioral Discrimination of Very Brief Acoustic Vowels. Cerebral Cortex, 2016, 26, 2483-2496.	1.6	16
617	Two sides of the same coin: Impairment in perception of temporal components of rhythm and cognitive functions in Parkinson's disease. Basal Ganglia, 2016, 6, 63-70.	0.3	14
619	Neural Correlates of Vocal Production and Motor Control in Human Heschl's Gyrus. Journal of Neuroscience, 2016, 36, 2302-2315.	1.7	69
620	Auditory-verbal analysis in aphasia. Aphasiology, 2016, 30, 1483-1511.	1.4	2
621	Human Superior Temporal Gyrus Organization of Spectrotemporal Modulation Tuning Derived from Speech Stimuli. Journal of Neuroscience, 2016, 36, 2014-2026.	1.7	138
622	The Semantic Network at Work and Rest: Differential Connectivity of Anterior Temporal Lobe Subregions. Journal of Neuroscience, 2016, 36, 1490-1501.	1.7	212
623	Acoustic richness modulates the neural networks supporting intelligible speech processing. Hearing Research, 2016, 333, 108-117.	0.9	25
624	The effect of speech distortion on the excitability of articulatory motor cortex. NeuroImage, 2016, 128, 218-226.	2.1	42
625	Developmental refinement of cortical systems for speech and voice processing. NeuroImage, 2016, 128, 373-384.	2.1	15

#	Article	IF	Citations
626	The representational–hierarchical view of pattern separation: Not just hippocampus, not just space, not just memory?. Neurobiology of Learning and Memory, 2016, 129, 99-106.	1.0	64
627	Selective memory retrieval of auditory what and auditory where involves the ventrolateral prefrontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1919-1924.	3.3	24
628	Early-latency categorical speech sound representations in the left inferior frontal gyrus. Neurolmage, 2016, 129, 214-223.	2.1	40
629	Perceptual learning of degraded speech by minimizing prediction error. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1747-56.	3.3	96
630	Resting-state low-frequency fluctuations reflect individual differences in spoken language learning. Cortex, 2016, 76, 63-78.	1.1	43
631	Insights into early language recovery: from basic principles to practical applications. Aphasiology, 2016, 30, 517-541.	1.4	15
632	Getting the Cocktail Party Started: Masking Effects in Speech Perception. Journal of Cognitive Neuroscience, 2016, 28, 483-500.	1.1	58
633	The Neural Basis of Vocal Pitch Imitation in Humans. Journal of Cognitive Neuroscience, 2016, 28, 621-635.	1.1	36
634	Conflict monitoring in speech processing: An fMRI study of error detection in speech production and perception. Neurolmage, 2016, 126, 96-105.	2.1	66
635	Towards a Computational Comparative Neuroprimatology: Framing the language-ready brain. Physics of Life Reviews, 2016, 16, 1-54.	1.5	75
636	Interacting parallel pathways associate sounds with visual identity in auditory cortices. Neurolmage, 2016, 124, 858-868.	2.1	9
637	Auditory short-term memory in the primate auditory cortex. Brain Research, 2016, 1640, 264-277.	1.1	25
638	Differential processing of melodic, rhythmic and simple tone deviations in musicians -an MEG study. Neurolmage, 2016, 124, 898-905.	2.1	26
639	Testing the dual-pathway model for auditory processing in human cortex. Neurolmage, 2016, 124, 672-681.	2.1	31
640	Differential Roles of Ventral and Dorsal Streams for Conceptual and Production-Related Components of Tool Use in Acute Stroke Patients. Cerebral Cortex, 2016, 26, 3754-3771.	1.6	59
641	Frequency Selectivity of Voxel-by-Voxel Functional Connectivity in Human Auditory Cortex. Cerebral Cortex, 2016, 26, 211-224.	1.6	41
642	Dissociation of Neural Networks for Predisposition and for Training-Related Plasticity in Auditory-Motor Learning. Cerebral Cortex, 2016, 26, 3125-3134.	1.6	79
643	Exploring the Early Organization and Maturation of Linguistic Pathways in the Human Infant Brain. Cerebral Cortex, 2016, 26, 2283-2298.	1.6	125

#	Article	IF	CITATIONS
644	Meta-analytic connectivity modeling of the human superior temporal sulcus. Brain Structure and Function, 2017, 222, 267-285.	1.2	26
645	The tract terminations in the temporal lobe: Their location and associated functions. Cortex, 2017, 97, 277-290.	1.1	48
646	Involvement of superior temporal areas in audiovisual and audiomotor speech integration. Neuroscience, 2017, 343, 276-283.	1.1	5
647	Decoupling of large-scale brain networks supports the consolidation of durable episodic memories. Neurolmage, 2017, 153, 336-345.	2.1	16
648	Toward the Language-Ready Brain: Biological Evolution and Primate Comparisons. Psychonomic Bulletin and Review, 2017, 24, 142-150.	1.4	27
649	A cortical circuit for voluntary laryngeal control: Implications for the evolution language. Psychonomic Bulletin and Review, 2017, 24, 56-63.	1.4	29
650	Transcranial magnetic stimulation and motor evoked potentials in speech perception research. Language, Cognition and Neuroscience, 2017, 32, 900-909.	0.7	11
651	Task-specific reorganization of the auditory cortex in deaf humans. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E600-E609.	3.3	114
652	Abnormal vocal behavior predicts executive and memory deficits in Alzheimer's disease. Neurobiology of Aging, 2017, 52, 71-80.	1.5	44
653	Inferior Frontal Cortex Contributions to the Recognition of Spoken Words and Their Constituent Speech Sounds. Journal of Cognitive Neuroscience, 2017, 29, 919-936.	1.1	34
654	Comprehending auditory speech: previous and potential contributions of functional MRI. Language, Cognition and Neuroscience, 2017, 32, 829-846.	0.7	13
655	Relational vs. attributive interpretation of nominal compounds differentially engages angular gyrus and anterior temporal lobe. Brain and Language, 2017, 169, 8-21.	0.8	37
656	Speech-in-noise perception in musicians: A review. Hearing Research, 2017, 352, 49-69.	0.9	113
657	Parent-offspring conflict and the evolution of infant-directed song. Evolution and Human Behavior, 2017, 38, 674-684.	1.4	60
658	Mapping Common Aphasia Assessments to Underlying Cognitive Processes and Their Neural Substrates. Neurorehabilitation and Neural Repair, 2017, 31, 442-450.	1.4	91
659	Transcranial Direct Current Stimulation in Poststroke Aphasia Recovery. Stroke, 2017, 48, 820-826.	1.0	25
660	Deaf hearing: Implicit discrimination of auditory content in a patient with mixed hearing loss. Philosophical Psychology, 2017, 30, 21-43.	0.5	3
661	The dorsal language pathways in stuttering: Response to commentary. Cortex, 2017, 90, 169-172.	1.1	4

#	Article	IF	CITATIONS
662	Characterization of neural entrainment to speech with and without slow spectral energy fluctuations in laminar recordings in monkey A1. NeuroImage, 2017, 150, 344-357.	2.1	13
663	Tolerance for audiovisual asynchrony is enhanced by the spectrotemporal fidelity of the speaker's mouth movements and speech. Language, Cognition and Neuroscience, 2017, 32, 1102-1118.	0.7	10
664	You talkin' to me? Communicative talker gaze activates left-lateralized superior temporal cortex during perception of degraded speech. Neuropsychologia, 2017, 100, 51-63.	0.7	10
665	Flexible and adaptive processes in speech perception. , 2017, , 155-186.		1
666	Infant word segmentation recruits the cerebral network of phonological short-term memory. Brain and Language, 2017, 170, 39-49.	0.8	12
667	Hierarchical differences in population coding within auditory cortex. Journal of Neurophysiology, 2017, 118, 717-731.	0.9	14
668	Auditory object perception: A neurobiological model and prospective review. Neuropsychologia, 2017, 105, 223-242.	0.7	29
669	Syntactic Complexity and Frequency in the Neurocognitive Language System. Journal of Cognitive Neuroscience, 2017, 29, 1605-1620.	1.1	10
670	Tracking the signal, cracking the code: speech and speech comprehension in non-invasive human electrophysiology. Language, Cognition and Neuroscience, 2017, 32, 855-869.	0.7	45
671	Auditory cortical delta-entrainment interacts with oscillatory power in multiple fronto-parietal networks. NeuroImage, 2017, 147, 32-42.	2.1	108
672	Age-related delay in visual and auditory evoked responses is mediated by white- and grey-matter differences. Nature Communications, 2017, 8, 15671.	5 <b>.</b> 8	53
673	How to study spoken language understanding: a survey of neuroscientific methods. Language, Cognition and Neuroscience, 2017, 32, 805-817.	0.7	2
675	The Hierarchical Cortical Organization of Human Speech Processing. Journal of Neuroscience, 2017, 37, 6539-6557.	1.7	208
676	Functional neuroanatomy of speech signal decoding in primary progressive aphasias. Neurobiology of Aging, 2017, 56, 190-201.	1.5	38
677	Brain network dynamics in the human articulatory loop. Clinical Neurophysiology, 2017, 128, 1473-1487.	0.7	29
678	Principles of auditory processing differ between sensory and premotor structures of the songbird forebrain. Journal of Neurophysiology, 2017, 117, 1266-1280.	0.9	9
679	The right hemisphere is highlighted in connected natural speech production and perception. Neurolmage, 2017, 152, 628-638.	2.1	38
680	Selective Entrainment of Theta Oscillations in the Dorsal Stream Causally Enhances Auditory Working Memory Performance. Neuron, 2017, 94, 193-206.e5.	3.8	167

#	Article	IF	Citations
681	Where Is the Beat? The Neural Correlates of Lexical Stress and Rhythmical Well-formedness in Auditory Story Comprehension. Journal of Cognitive Neuroscience, 2017, 29, 1119-1131.	1.1	7
682	Neural mechanisms for integrating consecutive and interleaved natural events. Human Brain Mapping, 2017, 38, 3360-3376.	1.9	21
683	Spatio-temporal dynamics of working memory maintenance and scanning of verbal information. Clinical Neurophysiology, 2017, 128, 882-891.	0.7	26
684	Decoding the Cortical Dynamics of Sound-Meaning Mapping. Journal of Neuroscience, 2017, 37, 1312-1319.	1.7	42
685	Multiscale mapping of frequency sweep rate in mouse auditory cortex. Hearing Research, 2017, 344, 207-222.	0.9	37
686	Brain substrates underlying auditory speech priming in healthy listeners and listeners with schizophrenia. Psychological Medicine, 2017, 47, 837-852.	2.7	16
687	The role of the IFG and pSTS in syntactic prediction: Evidence from a parametric study of hierarchical structure in fMRI. Cortex, 2017, 88, 106-123.	1.1	138
688	Towards solving the hard problem of consciousness: The varieties of brain resonances and the conscious experiences that they support. Neural Networks, 2017, 87, 38-95.	3.3	78
689	Neural Mechanisms of Language. Innovations in Cognitive Neuroscience, 2017, , .	0.3	5
690	Top-Down Modulation of Auditory-Motor Integration during Speech Production: The Role of Working Memory. Journal of Neuroscience, 2017, 37, 10323-10333.	1.7	36
691	Strength of Temporal White Matter Pathways Predicts Semantic Learning. Journal of Neuroscience, 2017, 37, 11101-11113.	1.7	43
692	Tracting the neural basis of music: Deficient structural connectivity underlying acquired amusia. Cortex, 2017, 97, 255-273.	1.1	25
693	Cortical Representations of Speech in a Multitalker Auditory Scene. Journal of Neuroscience, 2017, 37, 9189-9196.	1.7	87
694	Contribution of spiking activity in the primary auditory cortex to detection in noise. Journal of Neurophysiology, 2017, 118, 3118-3131.	0.9	28
695	Language, mind and brain. Nature Human Behaviour, 2017, 1, 713-722.	6.2	199
696	Primate Audition: Reception, Perception, and Ecology. Springer Handbook of Auditory Research, 2017, , 47-77.	0.3	7
697	Functional neural changes associated with acquired amusia across different stages of recovery after stroke. Scientific Reports, 2017, 7, 11390.	1.6	21
698	The Influence of Chomsky on the Neuroscience of Language. , 2017, , 155-174.		3

#	Article	IF	CITATIONS
699	Thalamic connections of the core auditory cortex and rostral supratemporal plane in the macaque monkey. Journal of Comparative Neurology, 2017, 525, 3488-3513.	0.9	21
700	Humans recognize emotional arousal in vocalizations across all classes of terrestrial vertebrates: evidence for acoustic universals. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170990.	1.2	93
701	Neural Correlates of Speech Segregation Based on Formant Frequencies of Adjacent Vowels. Scientific Reports, 2017, 7, 40790.	1.6	22
702	What Makes the Human Brain Special: Key Features of Brain and Neocortex. Springer Series in Cognitive and Neural Systems, 2017, , 3-22.	0.1	9
704	Language Learning Variability within the Dorsal and Ventral Streams as a Cue for Compensatory Mechanisms in Aphasia Recovery. Frontiers in Human Neuroscience, 2017, 11, 476.	1.0	22
705	Functional connectivity in the dorsal stream and between bilateral auditory-related cortical areas differentially contribute to speech decoding depending on spectro-temporal signal integrity and performance. Neuropsychologia, 2017, 106, 398-406.	0.7	9
706	Reading-induced shifts of perceptual speech representations in auditory cortex. Scientific Reports, 2017, 7, 5143.	1.6	34
707	An Integrated Assessment of Changes in Brain Structure and Function of the Insula Resulting from an Intensive Mindfulness-Based Intervention. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2017, 1, 327-336.	0.8	10
708	The hearing ear is always found close to the speaking tongue: Review of the role of the motor system in speech perception. Brain and Language, 2017, 164, 77-105.	0.8	188
709	What are neural correlates neural correlates of?. BioSocieties, 2017, 12, 415-438.	0.8	29
710	Hearing, feeling or seeing a beat recruits a supramodal network in the auditory dorsal stream. European Journal of Neuroscience, 2017, 45, 1439-1450.	1.2	29
711	Auditory and visual connectivity gradients in frontoparietal cortex. Human Brain Mapping, 2017, 38, 255-270.	1.9	35
712	The pace of vocabulary growth during preschool predicts cortical structure at school age. Neuropsychologia, 2017, 98, 13-23.	0.7	25
713	A dimensional approach to modeling symptoms of neuropsychiatric disorders in the marmoset monkey. Developmental Neurobiology, 2017, 77, 328-353.	1.5	48
714	Magnetic resonance imaging of the brain and vocal tract: Applications to the study of speech production and language learning. Neuropsychologia, 2017, 98, 201-211.	0.7	10
715	The syllable in the light of motor skills and neural oscillations. Language, Cognition and Neuroscience, 2017, 32, 562-569.	0.7	17
716	Measuring rhythmic complexity: A primer to quantify and compare temporal structure in speech, movement, and animal vocalizations. Journal of Language Evolution, 2017, 2, 4-19.	0.4	33
717	Three- and four-dimensional mapping of speech and language in patients with epilepsy. Brain, 2017, 140, 1351-1370.	3.7	109

#	Article	IF	CITATIONS
718	Domain-general subregions of the medial prefrontal cortex contribute to recovery of language after stroke. Brain, 2017, 140, 1947-1958.	3.7	109
719	Functional and spatial segregation within the inferior frontal and superior temporal cortices during listening, articulation imagery, and production of vowels. Scientific Reports, 2017, 7, 17029.	1.6	23
720	Evolution of Auditory Cortex in Primates. , 2017, , 331-342.		0
721	Perceptual Plasticity for Auditory Object Recognition. Frontiers in Psychology, 2017, 8, 781.	1.1	16
722	Audition., 2017,, 579-598.		4
723	Understanding Sound. Psychology of Learning and Motivation - Advances in Research and Theory, 2017, 67, 53-93.	0.5	5
724	A Spiking Neurocomputational Model of High-Frequency Oscillatory Brain Responses to Words and Pseudowords. Frontiers in Computational Neuroscience, 2016, 10, 145.	1.2	25
725	Intracranial Electrophysiology of Auditory Selective Attention Associated with Speech Classification Tasks. Frontiers in Human Neuroscience, 2016, 10, 691.	1.0	16
726	What Has Replication Ever Done for Us? Insights from Neuroimaging of Speech Perception. Frontiers in Human Neuroscience, 2017, 11, 41.	1.0	18
727	Auditory, Visual and Audiovisual Speech Processing Streams in Superior Temporal Sulcus. Frontiers in Human Neuroscience, 2017, 11, 174.	1.0	44
728	Dynamic Correlations between Intrinsic Connectivity and Extrinsic Connectivity of the Auditory Cortex in Humans. Frontiers in Human Neuroscience, 2017, 11, 407.	1.0	4
729	Autism Spectrum Disorder Related Functional Connectivity Changes in the Language Network in Children, Adolescents and Adults. Frontiers in Human Neuroscience, 2017, 11, 418.	1.0	52
730	Divergent Human Cortical Regions for Processing Distinct Acoustic-Semantic Categories of Natural Sounds: Animal Action Sounds vs. Vocalizations. Frontiers in Neuroscience, 2016, 10, 579.	1.4	7
731	Editorial: Neural Mechanisms of Perceptual Categorization as Precursors to Speech Perception. Frontiers in Neuroscience, 2017, 11, 69.	1.4	2
732	Shared Neural Mechanisms for the Prediction of Own and Partner Musical Sequences after Short-term Piano Duet Training. Frontiers in Neuroscience, 2017, 11, 165.	1.4	3
733	Magnitude Codes for Cross-Modal Working Memory in the Primate Frontal Association Cortex. Frontiers in Neuroscience, 2017, 11, 202.	1.4	15
734	Modulation of Speech Motor Learning with Transcranial Direct Current Stimulation of the Inferior Parietal Lobe. Frontiers in Integrative Neuroscience, 2017, 11, 35.	1.0	14
735	Sensitivity to an Illusion of Sound Location in Human Auditory Cortex. Frontiers in Systems Neuroscience, 2017, 11, 35.	1.2	5

#	Article	IF	CITATIONS
736	Auditory motion-specific mechanisms in the primate brain. PLoS Biology, 2017, 15, e2001379.	2.6	31
737	Behavioural and neuroanatomical correlates of auditory speech analysis in primary progressive aphasias. Alzheimer's Research and Therapy, 2017, 9, 53.	3.0	32
738	Directional and Causal Information Flow in EEG for Assessing Perceived Audio Quality. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 150-165.	1.4	8
739	Functional Imaging of Audio–Visual Selective Attention in Monkeys and Humans: How do Lapses in Monkey Performance Affect Cross-Species Correspondences?. Cerebral Cortex, 2017, 27, 3471-3484.	1.6	20
740	Imaging the Networks of Language. , 2017, , .		0
741	The Evolution of Auditory Cortex in Humans. , 2017, , 293-299.		1
743	Electrocorticographic highâ€gamma modulation with passive listening paradigm for pediatric extraoperative language mapping. Epilepsia, 2018, 59, 792-801.	2.6	25
744	What animals can teach us about human language: the phonological continuity hypothesis. Current Opinion in Behavioral Sciences, 2018, 21, 68-75.	2.0	18
745	Time for a quick word? The striking benefits of training speed and accuracy of word retrieval in post-stroke aphasia. Brain, 2018, 141, 1815-1827.	3.7	34
747	Training Humans to Categorize Monkey Calls: Auditory Feature- and Category-Selective Neural Tuning Changes. Neuron, 2018, 98, 405-416.e4.	3.8	44
748	A Task-Optimized Neural Network Replicates Human Auditory Behavior, Predicts Brain Responses, and Reveals a Cortical Processing Hierarchy. Neuron, 2018, 98, 630-644.e16.	3.8	358
749	Rapid and flexible creativity in musical improvisation: review and a model. Annals of the New York Academy of Sciences, 2018, 1423, 138-145.	1.8	43
750	Keeping track of sound objects in space: The contribution of early-stage auditory areas. Hearing Research, 2018, 366, 17-31.	0.9	6
751	Auditory Working Memory. Springer Handbooks, 2018, , 461-472.	0.3	17
752	Neural networks supporting audiovisual integration for speech: A large-scale lesion study. Cortex, 2018, 103, 360-371.	1.1	36
<b>7</b> 53	Unification of behavioural, computational and neural accounts of word production errors in post-stroke aphasia. NeuroImage: Clinical, 2018, 18, 952-962.	1.4	24
754	Neurophysiology underlying influence of stimulus reliability on audiovisual integration. European Journal of Neuroscience, 2018, 48, 2836-2848.	1.2	12
755	The Neuroscience of Musical Creativity. , 0, , 495-516.		9

#	Article	IF	CITATIONS
756	Intrinsic, stimulus-driven and task-dependent connectivity in human auditory cortex. Brain Structure and Function, 2018, 223, 2113-2127.	1.2	12
757	Real-time classification of auditory sentences using evoked cortical activity in humans. Journal of Neural Engineering, 2018, 15, 036005.	1.8	32
758	The Biology and Evolution of Speech: A Comparative Analysis. Annual Review of Linguistics, 2018, 4, 255-279.	1.2	54
759	Anatomy of aphasia revisited. Brain, 2018, 141, 848-862.	3.7	235
760	Functional connectivity corresponding to the tonotopic differentiation of the human auditory cortex. Human Brain Mapping, 2018, 39, 2224-2234.	1.9	7
761	An interactive model of auditory-motor speech perception. Brain and Language, 2018, 187, 33-40.	0.8	26
762	Phonotactic processing deficit following left-hemisphere stroke. Cortex, 2018, 99, 346-357.	1.1	15
763	Convergence of spoken and written language processing in the superior temporal sulcus. NeuroImage, 2018, 171, 62-74.	2.1	79
764	Electrophysiological evidence for Audio-visuo-lingual speech integration. Neuropsychologia, 2018, 109, 126-133.	0.7	7
765	Monaural-driven Functional Changes within and Beyond the Auditory Cortical Network: Evidence from Long-term Unilateral Hearing Impairment. Neuroscience, 2018, 371, 296-308.	1.1	15
766	Auditory and audio-vocal responses of single neurons in the monkey ventral premotor cortex. Hearing Research, 2018, 366, 82-89.	0.9	10
767	Listening under difficult conditions: An activation likelihood estimation metaâ€analysis. Human Brain Mapping, 2018, 39, 2695-2709.	1.9	89
768	Dual neural network model of speech and language evolution: new insights on flexibility of vocal production systems and involvement of frontal cortex. Current Opinion in Behavioral Sciences, 2018, 21, 80-87.	2.0	15
769	Theta Coherence Asymmetry in the Dorsal Stream of Musicians Facilitates Word Learning. Scientific Reports, 2018, 8, 4565.	1.6	9
770	Relationships between music training, speech processing, and word learning: a network perspective. Annals of the New York Academy of Sciences, 2018, 1423, 10-18.	1.8	14
771	The neural basis for human syntax: Broca's area and beyond. Current Opinion in Behavioral Sciences, 2018, 21, 88-92.	2.0	48
772	An emergent functional parcellation of the temporal cortex. Neurolmage, 2018, 170, 385-399.	2.1	76
773	Functional Characterization of the Human Speech Articulation Network. Cerebral Cortex, 2018, 28, 1816-1830.	1.6	71

#	Article	IF	CITATIONS
774	Tracking Training-Related Plasticity by Combining fMRI and DTI: The Right Hemisphere Ventral Stream Mediates Musical Syntax Processing. Cerebral Cortex, 2018, 28, 1209-1218.	1.6	28
775	Auditory Frequency Representations in Human Somatosensory Cortex. Cerebral Cortex, 2018, 28, 3908-3921.	1.6	40
776	Exploring the relationship between speech perception and production across phonological processes, language familiarity, and sensory modalities. Language, Cognition and Neuroscience, 2018, 33, 527-546.	0.7	11
777	Speech perception in autism spectrum disorder: An activation likelihood estimation meta-analysis. Behavioural Brain Research, 2018, 338, 118-127.	1.2	26
778	Involvement of ordinary what and where auditory cortical areas during illusory perception. Brain Structure and Function, 2018, 223, 965-979.	1.2	7
779	Sensorimotor impairment of speech auditory feedback processing in aphasia. Neurolmage, 2018, 165, 102-111.	2.1	53
780	The Dorsal Attention Network Reflects Both Encoding Load and Top–down Control during Working Memory. Journal of Cognitive Neuroscience, 2018, 30, 144-159.	1.1	69
781	A neuronal retuning hypothesis of sentence-specificity in Broca's area. Psychonomic Bulletin and Review, 2018, 25, 1682-1694.	1.4	38
782	Left Inferior Frontal Gyrus Sensitivity to Phonetic Competition in Receptive Language Processing: A Comparison of Clear and Conversational Speech. Journal of Cognitive Neuroscience, 2018, 30, 267-280.	1.1	22
783	Reanalyzing neurocognitive data on the role of the motor system in speech perception within COSMO, a Bayesian perceptuo-motor model of speech communication. Brain and Language, 2018, 187, 19-32.	0.8	11
784	Functional integration across oscillation frequencies by crossâ€frequency phase synchronization. European Journal of Neuroscience, 2018, 48, 2399-2406.	1.2	79
785	Increased functional connectivity in the ventral and dorsal streams during retrieval of novel words in professional musicians. Human Brain Mapping, 2018, 39, 722-734.	1.9	17
786	Where, When, and How: Are they all sensorimotor? Towards a unified view of the dorsal pathway in vision and audition. Cortex, 2018, 98, 262-268.	1.1	98
787	Reconstructing Speech Stimuli From Human Auditory Cortex Activity Using a WaveNet Approach. , 2018, , .		5
788	Neural responses to natural and model-matched stimuli reveal distinct computations in primary and nonprimary auditory cortex. PLoS Biology, 2018, 16, e2005127.	2.6	71
789	Cortical Localization of the Auditory Temporal Response Function from MEG via Non-convex Optimization. , $2018, \ldots$		1
790	Spatiotemporal Characteristics of Cortical Activities Associated with Articulation of Speech Perception., 2018, 2018, 1066-1069.		0
791	Neural bases of phonological representations: Empirical approaches and methods. , 2018, , 241-272.		0

#	Article	IF	CITATIONS
792	Effects of COMT polymorphism on the cortical processing of vocal pitch regulation. NeuroReport, 2018, 29, 1530-1536.	0.6	O
793	Editorial: Modulating Cortical Dynamics in Language, Speech and Music. Frontiers in Integrative Neuroscience, 2018, 12, 58.	1.0	2
794	Sensitivity of Speech Output to Delayed Auditory Feedback in Primary Progressive Aphasias. Frontiers in Neurology, 2018, 9, 894.	1.1	7
<b>7</b> 95	Functional and Structural Brain Plasticity in Adult Onset Single-Sided Deafness. Frontiers in Human Neuroscience, 2018, 12, 474.	1.0	14
796	A Neurobiologically Constrained Cortex Model of Semantic Grounding With Spiking Neurons and Brain-Like Connectivity. Frontiers in Computational Neuroscience, 2018, 12, 88.	1.2	38
797	A Connectomic Atlas of the Human Cerebrum—Chapter 12: Tractographic Description of the Middle Longitudinal Fasciculus. Operative Neurosurgery, 2018, 15, S429-S435.	0.4	11
798	The Contribution of Primary Auditory Cortex to Auditory Categorization in Behaving Monkeys. Frontiers in Neuroscience, 2018, 12, 601.	1.4	18
799	Distinct brain areas process novel and repeating tone sequences. Brain and Language, 2018, 187, 104-114.	0.8	11
800	Age-Related Changes in Temporal Processing of Rapidly-Presented Sound Sequences in the Macaque Auditory Cortex. Cerebral Cortex, 2018, 28, 3775-3796.	1.6	31
801	What drives the perceptual change resulting from speech motor adaptation? Evaluation of hypotheses in a Bayesian modeling framework. PLoS Computational Biology, 2018, 14, e1005942.	1.5	18
802	EEG mu rhythms: Rich sources of sensorimotor information in speech processing. Brain and Language, 2018, 187, 41-61.	0.8	24
803	Disentangling phonological and articulatory processing: A neuroanatomical study in aphasia. Neuropsychologia, 2018, 121, 175-185.	0.7	24
804	Angela D. Friederici, Language in our Brain: The Origins of a Uniquely Human Capacity. Cambridge, MA & London: The MIT Press, 2017. Pp. xiii + 284 Nordic Journal of Linguistics, 2018, 41, 379-381.	0.4	1
805	Listening in Naturalistic Scenes: What Can Functional Near-Infrared Spectroscopy and Intersubject Correlation Analysis Tell Us About the Underlying Brain Activity?. Trends in Hearing, 2018, 22, 233121651880411.	0.7	16
806	Theta-burst stimulation causally affects side perception in the Deutsch's octave illusion. Scientific Reports, 2018, 8, 12844.	1.6	1
807	Decline of auditory-motor speech processing in older adults with hearing loss. Neurobiology of Aging, 2018, 72, 89-97.	1.5	17
808	Beatboxers and Guitarists Engage Sensorimotor Regions Selectively When Listening to the Instruments They can Play. Cerebral Cortex, 2018, 28, 4063-4079.	1.6	20
809	Neural bases of social communicative intentions in speech. Social Cognitive and Affective Neuroscience, 2018, 13, 604-615.	1.5	24

#	Article	IF	CITATIONS
810	Different neural activities support auditory working memory in musicians and bilinguals. Annals of the New York Academy of Sciences, 2018, 1423, 435-446.	1.8	26
811	A Spatial Map of Onset and Sustained Responses to Speech in the Human Superior Temporal Gyrus. Current Biology, 2018, 28, 1860-1871.e4.	1.8	156
812	White matter pathways for prosodic structure building: A case study. Brain and Language, 2018, 183, 1-10.	0.8	10
813	Structural neural predictors of Farsi-English bilingualism. Brain and Language, 2018, 180-182, 42-49.	0.8	1
814	Frontal cortex selects representations of the talker's mouth to aid in speech perception. ELife, 2018, 7,	2.8	26
815	Hearing and orally mimicking different acoustic-semantic categories of natural sound engage distinct left hemisphere cortical regions. Brain and Language, 2018, 183, 64-78.	0.8	5
816	The time-course of cortical responses to speech revealed by fast optical imaging. Brain and Language, 2018, 184, 32-42.	0.8	29
817	White-matter structural connectivity predicts short-term melody and rhythm learning in non-musicians. Neurolmage, 2018, 181, 252-262.	2.1	24
818	Sparse bursts optimize information transmission in a multiplexed neural code. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6329-E6338.	3.3	99
819	Is it still speech? Different processing strategies in learning to discriminate stimuli in the transition from speech to non-speech including feedback evaluation. Brain and Cognition, 2018, 125, 1-13.	0.8	2
820	Retained capacity for perceptual learning of degraded speech in primary progressive aphasia and Alzheimer's disease. Alzheimer's Research and Therapy, 2018, 10, 70.	3.0	26
821	The Functional Neuroanatomy of Lexical Tone Perception: An Activation Likelihood Estimation Meta-Analysis. Frontiers in Neuroscience, 2018, 12, 495.	1.4	40
822	Rhesus Monkeys (Macaca mulatta) Sense Isochrony in Rhythm, but Not the Beat: Additional Support for the Gradual Audiomotor Evolution Hypothesis. Frontiers in Neuroscience, 2018, 12, 475.	1.4	47
823	The auditory cortex network in the posterior superior temporal area. Clinical Neurophysiology, 2018, 129, 2132-2136.	0.7	5
824	The Default Mode Network Supports Episodic Memory in Cognitively Unimpaired Elderly Individuals: Different Contributions to Immediate Recall and Delayed Recall. Frontiers in Aging Neuroscience, 2018, 10, 6.	1.7	45
825	Sleep-Dependent Memory Consolidation and Incremental Sentence Comprehension: Computational Dependencies during Language Learning as Revealed by Neuronal Oscillations. Frontiers in Human Neuroscience, 2018, 12, 18.	1.0	22
826	Abnormal Resting-State Quantitative Electroencephalogram in Children With Central Auditory Processing Disorder: A Pilot Study. Frontiers in Neuroscience, 2018, 12, 292.	1.4	8
827	Where did language come from? Precursor mechanisms in nonhuman primates. Current Opinion in Behavioral Sciences, 2018, 21, 195-204.	2.0	26

#	Article	IF	CITATIONS
828	How Movement Modulates Hearing. Annual Review of Neuroscience, 2018, 41, 553-572.	5.0	107
829	Neural architecture underlying person perception from in-group and out-group voices. Neurolmage, 2018, 181, 582-597.	2.1	20
830	Tactile stimulation disambiguates the perception of visual motion paths. Psychonomic Bulletin and Review, 2018, 25, 2231-2237.	1.4	4
831	A "voice patch―system in the primate brain for processing vocal information?. Hearing Research, 2018, 366, 65-74.	0.9	30
832	Processing of auditory novelty across the cortical hierarchy: An intracranial electrophysiology study. Neurolmage, 2018, 183, 412-424.	2.1	35
833	Not All Predictions Are Equal: "What―and "When―Predictions Modulate Activity in Auditory Cortex through Different Mechanisms. Journal of Neuroscience, 2018, 38, 8680-8693.	1.7	69
834	Active Sound Localization Sharpens Spatial Tuning in Human Primary Auditory Cortex. Journal of Neuroscience, 2018, 38, 8574-8587.	1.7	28
835	The Lombard Effect: From Acoustics to Neural Mechanisms. Trends in Neurosciences, 2018, 41, 938-949.	4.2	68
836	Atypical auditory language processing in adolescents with autism spectrum disorder. Clinical Neurophysiology, 2018, 129, 2029-2037.	0.7	13
837	Dual neurobiological systems underlying language evolution: inferring the ancestral state. Current Opinion in Behavioral Sciences, 2018, 21, 176-181.	2.0	4
838	The parietal lobe and language. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 151, 365-375.	1.0	27
839	Phonological Feature Repetition Suppression in the Left Inferior Frontal Gyrus. Journal of Cognitive Neuroscience, 2018, 30, 1549-1557.	1.1	26
840	Statistical experience and individual cognitive differences modulate neural activity during sentence production. Brain and Language, 2018, 183, 47-53.	0.8	3
841	Flexible Redistribution in Cognitive Networks. Trends in Cognitive Sciences, 2018, 22, 687-698.	4.0	88
842	Blast Exposure Impairs Sensory Gating: Evidence from Measures of Acoustic Startle and Auditory Event-Related Potentials. Journal of Neurotrauma, 2019, 36, 702-712.	1.7	15
843	The Cortical Maps of Hierarchical Linguistic Structures during Speech Perception. Cerebral Cortex, 2019, 29, 3232-3240.	1.6	35
844	rTMS evidence for a dissociation in short-term memory for spoken words and nonwords. Cortex, 2019, 112, 5-22.	1.1	14
845	Structural properties of the ventral reading pathways are associated with morphological processing in adult English readers. Cortex, 2019, 116, 268-285.	1.1	29

#	Article	IF	Citations
846	Differential sustained and transient temporal processing across visual streams. PLoS Computational Biology, 2019, 15, e1007011.	1.5	25
847	Neural Basis of Sensorimotor Plasticity in Speech Motor Adaptation. Cerebral Cortex, 2019, 29, 2876-2889.	1.6	11
848	Age-related hearing loss increases full-brain connectivity while reversing directed signaling within the dorsal–ventral pathway for speech. Brain Structure and Function, 2019, 224, 2661-2676.	1.2	37
849	Sensorimotor, language, and working memory representation within the human cerebellum. Human Brain Mapping, 2019, 40, 4732-4747.	1.9	73
850	Multimodal communication and language origins: integrating gestures and vocalizations. Biological Reviews, 2019, 94, 1809-1829.	4.7	61
851	The auditory and association cortex and language evaluation methods. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 160, 465-479.	1.0	4
852	Processing pathways for emotional vocalizations. Brain Structure and Function, 2019, 224, 2487-2504.	1.2	6
853	The human amygdala disconnecting from auditory cortex preferentially discriminates musical sound of uncertain emotion by altering hemispheric weighting. Scientific Reports, 2019, 9, 14787.	1.6	3
854	Neural Entrainment and Attentional Selection in the Listening Brain. Trends in Cognitive Sciences, 2019, 23, 913-926.	4.0	280
855	Altered Functional Connectivity and Brain Network Property in Pregnant Women With Cleft Fetuses. Frontiers in Psychology, 2019, 10, 2235.	1.1	4
856	Shared premotor activity in spoken and written communication. Brain and Language, 2019, 199, 104694.	0.8	4
857	Perception and Cognition in Absolute Pitch: Distinct yet Inseparable. Journal of Neuroscience, 2019, 39, 5839-5841.	1.7	10
858	The Lateralization of Speech-Brain Coupling Is Differentially Modulated by Intrinsic Auditory and Top-Down Mechanisms. Frontiers in Integrative Neuroscience, 2019, 13, 28.	1.0	29
859	Evolving perspectives on the sources of the frequency-following response. Nature Communications, 2019, 10, 5036.	5.8	116
860	Implementation of Case-Based Surveillance and Real-time Polymerase Chain Reaction to Monitor Bacterial Meningitis Pathogens in Chad. Journal of Infectious Diseases, 2019, 220, S182-S189.	1.9	5
861	Development and Implementation of a Cloud-Based Meningitis Surveillance and Specimen Tracking System in Burkina Faso, 2018. Journal of Infectious Diseases, 2019, 220, S198-S205.	1.9	10
862	Learning a new sound pair in a second language: Italian learners and German glottal consonants. Journal of Phonetics, 2019, 77, 100917.	0.6	2
863	Eliminating Meningococcal Epidemics From the African Meningitis Belt: The Case for Advanced Prevention and Control Using Next-Generation Meningococcal Conjugate Vaccines. Journal of Infectious Diseases, 2019, 220, S274-S278.	1.9	24

#	Article	IF	CITATIONS
864	Hierarchical Encoding of Attended Auditory Objects in Multi-talker Speech Perception. Neuron, 2019, 104, 1195-1209.e3.	3.8	90
865	Cortical mechanisms of spatial hearing. Nature Reviews Neuroscience, 2019, 20, 609-623.	4.9	51
866	Cortical network underlying audiovisual semantic integration and modulation of attention: An fMRI and graph-based study. PLoS ONE, 2019, 14, e0221185.	1.1	9
867	Neural architectures of music – Insights from acquired amusia. Neuroscience and Biobehavioral Reviews, 2019, 107, 104-114.	2.9	21
868	Discourse management during speech perception: A functional magnetic resonance imaging (fMRI) study. Neurolmage, 2019, 202, 116047.	2.1	7
869	An investigation of the neural association between auditory imagery and perception of complex sounds. Brain Structure and Function, 2019, 224, 2925-2937.	1.2	6
870	A model for visual naming based on spatiotemporal dynamics of ECoG high-gamma modulation. Epilepsy and Behavior, 2019, 99, 106455.	0.9	9
871	From speech and talkers to the social world: The neural processing of human spoken language. Science, 2019, 366, 58-62.	6.0	52
872	The anatomy of the human frontal lobe. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 95-122.	1.0	35
873	Repetitive verbal behaviors are not always harmful signs: Compensatory plasticity within the language network in aphasia. Brain and Language, 2019, 190, 16-30.	0.8	16
874	Musical creativity and the motor system. Current Opinion in Behavioral Sciences, 2019, 27, 146-153.	2.0	17
875	White-matter pathways and semantic processing: intrasurgical and lesion-symptom mapping evidence. Neurolmage: Clinical, 2019, 22, 101704.	1.4	42
876	A low-threshold potassium current enhances sparseness and reliability in a model of avian auditory cortex. PLoS Computational Biology, 2019, 15, e1006723.	1.5	5
877	Precision of voicing perceptual identification is altered in association with voice-onset time production changes. Experimental Brain Research, 2019, 237, 2197-2204.	0.7	1
878	How Multiple Retrievals Affect Neural Reactivation in Young and Older Adults. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2019, 74, 1086-1100.	2.4	17
879	Speaking-Induced Suppression of the Auditory Cortex in Humans and Its Relevance to Schizophrenia. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 791-804.	1.1	19
880	Sensorimotor influences on speech perception in pre-babbling infants: Replication and extension of Bruderer et al. (2015). Psychonomic Bulletin and Review, 2019, 26, 1388-1399.	1.4	18
881	A neural oscillations perspective on phonological development and phonological processing in developmental dyslexia. Language and Linguistics Compass, 2019, 13, e12328.	1.3	27

#	Article	IF	CITATIONS
882	Timbre: Acoustics, Perception, and Cognition. Springer Handbook of Auditory Research, 2019, , .	0.3	12
883	Neural Correlates of Timbre Processing. Springer Handbook of Auditory Research, 2019, , 151-172.	0.3	2
884	Age-Related Atrophy and Compensatory Neural Networks in Reading Comprehension. Journal of the International Neuropsychological Society, 2019, 25, 569-582.	1.2	9
885	Spatial location and emotion modulate voice perception. Cognition and Emotion, 2019, 33, 1577-1586.	1.2	5
886	Tracking the microstructural properties of the main white matter pathways underlying speech processing in simultaneous interpreters. Neurolmage, 2019, 191, 518-528.	2.1	12
887	Spectrotemporal modulation provides a unifying framework for auditory cortical asymmetries. Nature Human Behaviour, 2019, 3, 393-405.	6.2	100
888	Spontaneous synchronization to speech reveals neural mechanisms facilitating language learning. Nature Neuroscience, 2019, 22, 627-632.	7.1	121
889	Understanding rostral–caudal auditory cortex contributions to auditory perception. Nature Reviews Neuroscience, 2019, 20, 425-434.	4.9	48
890	Neural mechanisms of vibrotactile categorization. Human Brain Mapping, 2019, 40, 3078-3090.	1.9	11
891	Implicit representation of the auditory space: contribution of the left and right hemispheres. Brain Structure and Function, 2019, 224, 1569-1582.	1.2	6
892	Interaction of the effects associated with auditory-motor integration and attention-engaging listening tasks. Neuropsychologia, 2019, 124, 322-336.	0.7	9
893	Visual cortex recruitment during language processing in blind individuals is explained by Hebbian learning. Scientific Reports, 2019, 9, 3579.	1.6	26
894	Mice can learn phonetic categories. Journal of the Acoustical Society of America, 2019, 145, 1168-1177.	0.5	8
895	Absolute and relative pitch processing in the human brain: neural and behavioral evidence. Brain Structure and Function, 2019, 224, 1723-1738.	1.2	26
896	Origin and evolution of human speech: Emergence from a trimodal auditory, visual and vocal network. Progress in Brain Research, 2019, 250, 345-371.	0.9	20
897	Roles of ventral versus dorsal pathways in language production: An awake language mapping study. Brain and Language, 2019, 191, 17-27.	0.8	25
898	A hierarchical sparse coding model predicts acoustic feature encoding in both auditory midbrain and cortex. PLoS Computational Biology, 2019, 15, e1006766.	1.5	7
899	Language learning in the adult brain: A neuroanatomical meta-analysis of lexical and grammatical learning. Neurolmage, 2019, 193, 178-200.	2.1	50

#	Article	IF	CITATIONS
900	A SENtence Supramodal Areas AtlaS (SENSAAS) based on multiple task-induced activation mapping and graph analysis of intrinsic connectivity in 144 healthy right-handers. Brain Structure and Function, 2019, 224, 859-882.	1.2	58
902	Musical imagery depends upon coordination of auditory and sensorimotor brain activity. Scientific Reports, 2019, 9, 16823.	1.6	11
903	Functional Connectivity of Heschl's Gyrus Associated With Age-Related Hearing Loss: A Resting-State fMRI Study. Frontiers in Psychology, 2019, 10, 2485.	1.1	34
904	The ConDialInt Model: Condensation, Dialogality, and Intentionality Dimensions of Inner Speech Within a Hierarchical Predictive Control Framework. Frontiers in Psychology, 2019, 10, 2019.	1.1	37
905	Effect of Temporal Lobe Epilepsy on Auditory-motor Integration for Vocal Pitch Regulation: Evidence from Brain Functional Network Analysis., 2019, 2019, 3849-3853.		1
906	Optimized Configuration of Functional Brain Network for Processing Semantic Audiovisual Stimuli Underlying the Modulation of Attention: A Graph-Based Study. Frontiers in Integrative Neuroscience, 2019, 13, 67.	1.0	4
907	Decoding speech from spike-based neural population recordings in secondary auditory cortex of non-human primates. Communications Biology, 2019, 2, 466.	2.0	25
908	Interactive effects of linguistic abstraction and stimulus statistics in the online modulation of neural speech encoding. Attention, Perception, and Psychophysics, 2019, 81, 1020-1033.	0.7	4
909	Neurobiological systems in dyslexia. Trends in Neuroscience and Education, 2019, 14, 11-24.	1.5	16
910	Power and phase coherence in sensorimotor mu and temporal lobe alpha components during covert and overt syllable production. Experimental Brain Research, 2019, 237, 705-721.	0.7	14
911	Homology and Specificity of Natural Sound-Encoding in Human and Monkey Auditory Cortex. Cerebral Cortex, 2019, 29, 3636-3650.	1.6	19
912	The exceptional nature of the first person in natural story processing and the transfer of egocentricity. Language, Cognition and Neuroscience, 2019, 34, 411-427.	0.7	14
915	A sensorimotor view of verbal working memory. Cortex, 2019, 112, 134-148.	1.1	57
916	Knowledge of language function and underlying neural networks gained from focal seizures and epilepsy surgery. Brain and Language, 2019, 189, 20-33.	0.8	32
917	Modular reconfiguration of an auditory control brain network supports adaptive listening behavior. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 660-669.	3.3	42
918	Semantic-hierarchical model improves classification of spoken-word evoked electrocorticography. Journal of Neuroscience Methods, 2019, 311, 253-258.	1.3	1
919	Differential developmental changes in cortical representations of auditory-vocal stimuli in songbirds. Journal of Neurophysiology, 2019, 121, 530-548.	0.9	6
920	Hierarchy of speech-driven spectrotemporal receptive fields in human auditory cortex. NeuroImage, 2019, 186, 647-666.	2.1	14

#	Article	IF	Citations
921	Neuroimaging of stroke recovery from aphasia $\hat{a} \in$ Insights into plasticity of the human language network. NeuroImage, 2019, 190, 14-31.	2.1	168
922	The spatiotemporal pattern of pure tone processing: A single-trial EEG-fMRI study. Neurolmage, 2019, 187, 184-191.	2.1	14
923	The peri-Sylvian cortical network underlying single word repetition revealed by electrocortical stimulation and direct neural recordings. Brain and Language, 2019, 193, 58-72.	0.8	38
924	The Rapid Emergence of Auditory Object Representations in Cortex Reflect Central Acoustic Attributes. Journal of Cognitive Neuroscience, 2020, 32, 111-123.	1.1	5
925	Directed functional connectivity of the hippocampus in patients with presbycusis. Brain Imaging and Behavior, 2020, 14, 917-926.	1.1	24
926	How passive is passive listening? Toward a sensorimotor theory of auditory perception. Phenomenology and the Cognitive Sciences, 2020, 19, 619-651.	1.1	13
927	The chronnectome of musical beat. Neurolmage, 2020, 216, 116191.	2.1	30
928	Reorganization of Sound Location Processing in the Auditory Cortex of Blind Humans. Cerebral Cortex, 2020, 30, 1103-1116.	1.6	5
929	The Cortical Organization of Syntax. Cerebral Cortex, 2020, 30, 1481-1498.	1.6	184
930	Neural correlates of social cognition in populations at risk of psychosis: A systematic review. Neuroscience and Biobehavioral Reviews, 2020, 108, 94-111.	2.9	17
931	The role of auditory feedback on vocal pattern generation in marmoset monkeys. Current Opinion in Neurobiology, 2020, 60, 92-98.	2.0	9
932	Neuromagnetic activation and oscillatory dynamics of stimulus-locked processing during naturalistic viewing. NeuroImage, 2020, 216, 116414.	2.1	8
933	Cortical mechanisms of talker normalization in fluent sentences. Brain and Language, 2020, 201, 104722.	0.8	6
934	More Arrows in the Ancient DNA Quiver: Use of Paleoepigenomes and Paleomicrobiomes to Investigate Animal Adaptation to Environment. Molecular Biology and Evolution, 2020, 37, 307-319.	3.5	13
935	Cross-modal plasticity in adult single-sided deafness revealed by alpha band resting-state functional connectivity. NeuroImage, 2020, 207, 116376.	2.1	13
936	Mapping the human middle longitudinal fasciculus through a focused anatomo-imaging study: shifting the paradigm of its segmentation and connectivity pattern. Brain Structure and Function, 2020, 225, 85-119.	1.2	31
937	Adaptive phonemic coding in the listening and speaking brain. Neuropsychologia, 2020, 136, 107267.	0.7	6
938	What you say versus how you say it: Comparing sentence comprehension and emotional prosody processing using fMRI. NeuroImage, 2020, 209, 116509.	2.1	23

#	Article	IF	CITATIONS
939	MRI-based Parcellation and Morphometry of the Individual Rhesus Monkey Brain: the macaque Harvard-Oxford Atlas (mHOA), a translational system referencing a standardized ontology. Brain Imaging and Behavior, 2021, 15, 1589-1621.	1.1	8
940	Spatio-temporal dynamics of interictal activity in musicogenic epilepsy: Two case reports and a systematic review of the literature. Clinical Neurophysiology, 2020, 131, 2393-2401.	0.7	3
941	Exploring the Relationship between Prosodic Control and Social Competence in Children with and without Autism Spectrum Disorder. Autism Research, 2020, 13, 1880-1892.	2.1	4
942	Evaluating the granularity and statistical structure of lesions and behaviour in post-stroke aphasia. Brain Communications, 2020, 2, fcaa062.	1.5	24
943	The effect of bilingualism on brain development from early childhood to young adulthood. Brain Structure and Function, 2020, 225, 2131-2152.	1.2	26
944	Where Sounds Occur Matters: Context Effects Influence Processing of Salient Vocalisations. Brain Sciences, 2020, 10, 429.	1.1	4
945	Causal Inference in Audiovisual Perception. Journal of Neuroscience, 2020, 40, 6600-6612.	1.7	19
946	Musical expertise facilitates statistical learning of rhythm and the perceptive uncertainty: A cross-cultural study. Neuropsychologia, 2020, 146, 107553.	0.7	12
947	Neural Correlates of Phonetic Adaptation as Induced by Lexical and Audiovisual Context. Journal of Cognitive Neuroscience, 2020, 32, 2145-2158.	1.1	6
948	Entrainment in Human Auditory Cortex: Mechanism and Functions. , 2020, , 63-76.		4
949	Altered sensory system activity and connectivity patterns in adductor spasmodic dysphonia. Scientific Reports, 2020, 10, 10179.	1.6	11
950	Primary Auditory Cortex and the Thalamo-Cortico-Thalamic Circuitry I. Anatomy. , 2020, , 623-656.		2
951	Evidence of a functional reorganization in the auditory dorsal stream following unilateral hearing loss. Neuropsychologia, 2020, 149, 107683.	0.7	16
952	Heterogeneity of EEG resting-state brain networks in absolute pitch. International Journal of Psychophysiology, 2020, 157, 11-22.	0.5	7
953	Distinct auditory and visual tool regions with multisensory response properties in human parietal cortex. Progress in Neurobiology, 2020, 195, 101889.	2.8	3
954	Decoding Hearing-Related Changes in Older Adults' Spatiotemporal Neural Processing of Speech Using Machine Learning. Frontiers in Neuroscience, 2020, 14, 748.	1.4	12
955	Structural white matter connectometry of word production in aphasia: an observational study. Brain, 2020, 143, 2532-2544.	3.7	43
956	Parietal Cortex Is Required for the Integration of Acoustic Evidence. Current Biology, 2020, 30, 3293-3303.e4.	1.8	20

#	Article	IF	CITATIONS
957	Information content best characterises the hemispheric selectivity of the inferior parietal lobe: a meta-analysis. Scientific Reports, 2020, 10, 15112.	1.6	7
958	Multilevel fMRI adaptation for spoken word processing in the awake dog brain. Scientific Reports, 2020, 10, 11968.	1.6	14
959	Decoding Brain Dynamics in Speech Perception Based on EEG Microstates Decomposed by Multivariate Gaussian Hidden Markov Model. IEEE Access, 2020, 8, 146770-146784.	2.6	4
960	A unified neurocomputational bilateral model of spoken language production in healthy participants and recovery in poststroke aphasia. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32779-32790.	3.3	26
961	Vocal-motor interference eliminates the memory advantage for vocal melodies. Brain and Cognition, 2020, 145, 105622.	0.8	5
962	Speech rhythms and their neural foundations. Nature Reviews Neuroscience, 2020, 21, 322-334.	4.9	233
963	Distinct cortical rhythms in speech and language processing and some more: a commentary on Meyer, Sun, & Martin (2019). Language, Cognition and Neuroscience, 2020, 35, 1124-1128.	0.7	3
964	Development of Computer-Aided Semi-Automatic Diagnosis System for Chronic Post-Stroke Aphasia Classification with Temporal and Parietal Lesions: A Pilot Study. Applied Sciences (Switzerland), 2020, 10, 2984.	1.3	5
965	Review article: Structural brain alterations in prelingually deaf. NeuroImage, 2020, 220, 117042.	2.1	14
966	Language mapping: A systematic review of protocols that evaluate linguistic functions in awake surgery. Applied Neuropsychology Adult, 2022, 29, 845-854.	0.7	7
967	Inter-subject Similarity of Brain Activity in Expert Musicians After Multimodal Learning: A Behavioral and Neuroimaging Study on Learning to Play a Piano Sonata. Neuroscience, 2020, 441, 102-116.	1.1	19
968	Auditory representation of learned sound sequences in motor regions of the macaque brain.  Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15242-15252.	3.3	28
969	Expectations about word stress modulate neural activity in speech-sensitive cortical areas. Neuropsychologia, 2020, 143, 107467.	0.7	8
970	Overarching Principles and Dimensions of the Functional Organization in the Inferior Parietal Cortex. Cerebral Cortex, 2020, 30, 5639-5653.	1.6	26
971	Lack of selectivity for syntax relative to word meanings throughout the language network. Cognition, 2020, 203, 104348.	1.1	94
972	Dissociation of visual extinction and neglect in the left hemisphere. Cortex, 2020, 129, 211-222.	1.1	7
973	Sensitivity of occipito-temporal cortex, premotor and Broca's areas to visible speech gestures in a familiar language. PLoS ONE, 2020, 15, e0234695.	1.1	8
974	Neural Correlates of Vocal Pitch Compensation in Individuals Who Stutter. Frontiers in Human Neuroscience, 2020, 14, 18.	1.0	10

#	Article	IF	CITATIONS
975	Top–Down Inhibitory Mechanisms Underlying Auditory–Motor Integration for Voice Control: Evidence by TMS. Cerebral Cortex, 2020, 30, 4515-4527.	1.6	24
976	Developmental Differences of Structural Connectivity and Effective Connectivity in Semantic Judgments of Chinese Characters. Frontiers in Human Neuroscience, 2020, 14, 233.	1.0	6
977	Neural Correlates of Modality-Sensitive Deviance Detection in the Audiovisual Oddball Paradigm. Brain Sciences, 2020, 10, 328.	1.1	2
978	Stroke and acquired amusia., 2020,, 151-172.		0
979	The Evolution of Auditory Cortex in Humans. , 2020, , 891-898.		0
980	Neuro-current response functions: A unified approach to MEG source analysis under the continuous stimuli paradigm. Neurolmage, 2020, 211, 116528.	2.1	14
981	Central auditory processing in adults with chronic stroke without hearing loss: A magnetoencephalography study. Clinical Neurophysiology, 2020, 131, 1102-1118.	0.7	1
982	Translational Neuroscience of Speech and Language Disorders. Contemporary Clinical Neuroscience, 2020, , .	0.3	3
983	The Causal Role of Left and Right Superior Temporal Gyri in Speech Perception in Noise: A Transcranial Magnetic Stimulation Study. Journal of Cognitive Neuroscience, 2020, 32, 1092-1103.	1.1	16
984	Concurrent affective and linguistic prosody with the same emotional valence elicits a late positive ERP response. European Journal of Neuroscience, 2020, 51, 2236-2249.	1.2	7
985	Spatiotemporal dynamics of predictive brain mechanisms during speech processing: an MEG study. Brain and Language, 2020, 203, 104755.	0.8	8
986	The importance of the fibre tracts connecting the planum temporale in absolute pitch possessors. Neurolmage, 2020, 211, 116590.	2.1	17
987	Disruption of Early or Late Epochs of Auditory Cortical Activity Impairs Speech Discrimination in Mice. Frontiers in Neuroscience, 2019, 13, 1394.	1.4	5
988	Differences in Frontal Network Anatomy Across Primate Species. Journal of Neuroscience, 2020, 40, 2094-2107.	1.7	37
989	Musical Training for Auditory Rehabilitation in Hearing Loss. Journal of Clinical Medicine, 2020, 9, 1058.	1.0	8
990	fMRI-Targeted High-Angular Resolution Diffusion MR Tractography to Identify Functional Language Tracts in Healthy Controls and Glioma Patients. Frontiers in Neuroscience, 2020, 14, 225.	1.4	27
991	Neural mechanisms underlying concurrent listening of simultaneous speech. Brain Research, 2020, 1738, 146821.	1.1	6
992	Intrinsic functional architecture of the human speech processing network. Cortex, 2020, 129, 41-56.	1.1	10

#	Article	IF	CITATIONS
993	Primate auditory prototype in the evolution of the arcuate fasciculus. Nature Neuroscience, 2020, 23, 611-614.	7.1	53
994	Are auditory processing and cognitive performance assessments overlapping or distinct? Parsing the auditory behaviour of older adults. International Journal of Audiology, 2021, 60, 123-132.	0.9	5
995	A distributed dynamic brain network mediates linguistic tone representation and categorization. Neurolmage, 2021, 224, 117410.	2.1	8
996	Neural modelling of the semantic predictability gain under challenging listening conditions. Human Brain Mapping, 2021, 42, 110-127.	1.9	13
997	Electrophysiology of the Human Superior Temporal Sulcus during Speech Processing. Cerebral Cortex, 2021, 31, 1131-1148.	1.6	24
998	Cognitive and neural predictors of speech comprehension in noisy backgrounds in older adults. Language, Cognition and Neuroscience, 2021, 36, 269-287.	0.7	6
999	Abnormal amplitude of spontaneous low-frequency fluctuation in children with growth hormone deficiency: A resting-state functional magnetic resonance imaging study. Neuroscience Letters, 2021, 742, 135546.	1.0	7
1000	Brain indices associated with semantic cues prior to and after a word in noise. Brain Research, 2021, 1751, 147206.	1.1	1
1001	Memory Load Alters Perception-Related Neural Oscillations during Multisensory Integration. Journal of Neuroscience, 2021, 41, 1505-1515.	1.7	19
1002	Cortical processing of location and frequency changes of sounds in normal hearing listeners. Hearing Research, 2021, 400, 108110.	0.9	5
1003	Nonverbal auditory communication – Evidence for integrated neural systems for voice signal production and perception. Progress in Neurobiology, 2021, 199, 101948.	2.8	19
1004	Common fronto-temporal effective connectivity in humans and monkeys. Neuron, 2021, 109, 852-868.e8.	3.8	28
1005	Motor theory modulated by task load: behavioural effects of tDCS over the LSTG on phonological processing. Language, Cognition and Neuroscience, 2021, 36, 99-118.	0.7	1
1006	Using Electrical Stimulation to Explore and Augment the Functions of Parietal-Frontal Cortical Networks in Primates. Contemporary Clinical Neuroscience, 2021, , 3-18.	0.3	2
1007	Motor engagement relates to accurate perception of phonemes and audiovisual words, but not auditory words. Communications Biology, 2021, 4, 108.	2.0	10
1008	Physiology of Higher Central Auditory Processing and Plasticity. Springer Handbook of Auditory Research, 2021, , 349-383.	0.3	0
1009	Toward Autonomous Adaptive Intelligence: Building Upon Neural Models of How Brains Make Minds. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 51-75.	5.9	10
1010	Six-dimensional dynamic tractography atlas of language connectivity in the developing brain. Brain, 2021, 144, 3340-3354.	3.7	21

#	Article	IF	CITATIONS
1011	Central Nervous System Plasticity Influences Language and Cognitive Recovery in Adult Glioma. Neurosurgery, 2021, 89, 539-548.	0.6	19
1013	The Role of the Right Hemisphere in Processing Phonetic Variability Between Talkers. Neurobiology of Language (Cambridge, Mass ), 2021, 2, 138-151.	1.7	13
1014	Cerebral white matter connectivity, cognition, and age-related macular degeneration. NeuroImage: Clinical, 2021, 30, 102594.	1.4	11
1015	Dissociable Auditory Cortico-Cerebellar Pathways in the Human Brain Estimated by Intrinsic Functional Connectivity. Cerebral Cortex, 2021, 31, 2898-2912.	1.6	14
1016	On the relationship between tinnitus distress, cognitive performance and aging. Progress in Brain Research, 2021, 262, 263-285.	0.9	13
1017	Two types of phonological reading impairment in stroke aphasia. Brain Communications, 2021, 3, fcab194.	1.5	4
1018	Let me listen to where you are. Spatial dimension resources in audio stories can increase imagery, transportation, attention, and recall. Media Psychology, 2022, 25, 155-179.	2.1	2
1019	Do Auditory Mismatch Responses Differ Between Acoustic Features?. Frontiers in Human Neuroscience, 2021, 15, 613903.	1.0	5
1020	Parcellationâ€based anatomic model of the semantic network. Brain and Behavior, 2021, 11, e02065.	1.0	21
1021	A Novel Neural Model With Lateral Interaction for Learning Tasks. Neural Computation, 2021, 33, 528-551.	1.3	2
1022	Brain aging and speech perception: Effects of background noise and talker variability. NeuroImage, 2021, 227, 117675.	2.1	18
1023	Brain activations while processing degraded speech in adults with autism spectrum disorder. Neuropsychologia, 2021, 152, 107750.	0.7	2
1024	Specialized contributions of mid-tier stages of dorsal and ventral pathways to stereoscopic processing in macaque. ELife, 2021, 10, .	2.8	7
1025	MEG Intersubject Phase Locking of Stimulus-Driven Activity during Naturalistic Speech Listening Correlates with Musical Training. Journal of Neuroscience, 2021, 41, 2713-2722.	1.7	11
1026	Beat Detection Recruits the Visual Cortex in Early Blind Subjects. Life, 2021, 11, 296.	1.1	1
1027	The extreme capsule and aphasia: proof-of-concept of a new way relating structure to neurological symptoms. Brain Communications, 2021, 3, fcab040.	1.5	5
1029	Expectancy changes the selfâ€monitoring of voice identity. European Journal of Neuroscience, 2021, 53, 2681-2695.	1.2	7
1030	Your verbal questions beginning with 'what' will rapidly deactivate the left prefrontal cortex of listeners. Scientific Reports, 2021, 11, 5257.	1.6	3

#	Article	IF	CITATIONS
1031	Convergence of heteromodal lexical retrieval in the lateral prefrontal cortex. Scientific Reports, 2021, 11, 6305.	1.6	6
1032	Data-driven machine learning models for decoding speech categorization from evoked brain responses. Journal of Neural Engineering, 2021, 18, 046012.	1.8	6
1033	Extracting Phonetic Features From Natural Classes: A Mismatch Negativity Study of Mandarin Chinese Retroflex Consonants. Frontiers in Human Neuroscience, 2021, 15, 609898.	1.0	5
1035	Mapping Specific Mental Content during Musical Imagery. Cerebral Cortex, 2021, 31, 3622-3640.	1.6	10
1036	Cortical myelin content mediates differences in affective temperaments. Journal of Affective Disorders, 2021, 282, 1263-1271.	2.0	4
1037	Neural Development of Speech Sensorimotor Learning. Journal of Neuroscience, 2021, 41, 4023-4035.	1.7	9
1038	Error in the Superior Temporal Gyrus? A Systematic Review and Activation Likelihood Estimation Meta-Analysis of Speech Production Studies. Journal of Cognitive Neuroscience, 2021, 33, 422-444.	1.1	10
1039	Resting-state abnormalities in functional connectivity of the default mode network in autism spectrum disorder: a meta-analysis. Brain Imaging and Behavior, 2021, 15, 2583-2592.	1.1	19
1040	Pre- and post-target cortical processes predict speech-in-noise performance. NeuroImage, 2021, 228, 117699.	2.1	18
1041	Presurgical Language Mapping in Patients With Intractable Epilepsy: A Review Study. Basic and Clinical Neuroscience, 2021, 12, 163-176.	0.3	2
1042	Neural competition between concurrent speech production and other speech perception. Neurolmage, 2021, 228, 117710.	2.1	1
1043	Global and Parallel Cortical Processing Based on Auditory Gamma Oscillatory Responses in Humans. Cerebral Cortex, 2021, 31, 4518-4532.	1.6	19
1044	The frontotemporal organization of the arcuate fasciculus and its relationship with speech perception in young and older amateur singers and nonâ€singers. Human Brain Mapping, 2021, 42, 3058-3076.	1.9	13
1045	Arcuate fasciculus architecture is associated with individual differences in pre-attentive detection of unpredicted music changes. Neurolmage, 2021, 229, 117759.	2.1	14
1046	Lexical Influences on Categorical Speech Perception Are Driven by a Temporoparietal Circuit. Journal of Cognitive Neuroscience, 2021, 33, 840-852.	1.1	6
1047	Decoding Covert Speech From EEG-A Comprehensive Review. Frontiers in Neuroscience, 2021, 15, 642251.	1.4	50
1048	Neurocognitive Plasticity Is Associated with Cardiorespiratory Fitness Following Physical Exercise in Older Adults with Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2021, 81, 91-112.	1.2	11
1049	The left dorsal stream causally mediates the tone labeling in absolute pitch. Annals of the New York Academy of Sciences, 2021, 1500, 122-133.	1.8	2

#	Article	IF	CITATIONS
1050	Reorganization of auditory-visual network interactions in long-term unilateral postlingual hearing loss. Journal of Clinical Neuroscience, 2021, 87, 97-102.	0.8	2
1052	Hearing loss and brain plasticity: the hyperactivity phenomenon. Brain Structure and Function, 2021, 226, 2019-2039.	1.2	31
1053	Cortical Responses to Vowel Sequences in Awake and Anesthetized States: A Human Intracranial Electrophysiology Study. Cerebral Cortex, 2021, 31, 5435-5448.	1.6	7
1054	Vocal Music Listening Enhances Poststroke Language Network Reorganization. ENeuro, 2021, 8, ENEURO.0158-21.2021.	0.9	18
1055	Attentional Modulation of Hierarchical Speech Representations in a Multitalker Environment. Cerebral Cortex, 2021, 31, 4986-5005.	1.6	12
1056	Auditory cortical micro-networks show differential connectivity during voice and speech processing in humans. Communications Biology, 2021, 4, 801.	2.0	2
1058	Frequency Selectivity of Persistent Cortical Oscillatory Responses to Auditory Rhythmic Stimulation. Journal of Neuroscience, 2021, 41, 7991-8006.	1.7	17
1059	Hybrid auditory fMRI: In pursuit of increasing data acquisition while decreasing the impact of scanner noise. Journal of Neuroscience Methods, 2021, 358, 109198.	1.3	2
1060	Individual differences in human frequency-following response predict pitch labeling ability. Scientific Reports, 2021, 11, 14290.	1.6	3
1061	The ventral pathway of the human brain: A continuous association tract system. NeuroImage, 2021, 234, 117977.	2.1	32
1062	Aging affects steaks more than knives: Evidence that the processing of words related to motor skills is relatively spared in aging. Brain and Language, 2021, 218, 104941.	0.8	10
1063	From acoustic to linguistic analysis of temporal speech structure: Acousto-linguistic transformation during speech perception using speech quilts. Neurolmage, 2021, 235, 117887.	2.1	4
1064	An Emergent Population Code in Primary Auditory Cortex Supports Selective Attention to Spectral and Temporal Sound Features. Journal of Neuroscience, 2021, 41, 7561-7577.	1.7	6
1065	Five Breakthroughs: A First Approximation of Brain Evolution From Early Bilaterians to Humans. Frontiers in Neuroanatomy, 2021, 15, 693346.	0.9	5
1066	Generalizable dimensions of human cortical auditory processing of speech in natural soundscapes: A data-driven ultra high field fMRI approach. Neurolmage, 2021, 237, 118106.	2.1	4
1067	Altered maturation and atypical cortical processing of spoken sentences in autism spectrum disorder. Progress in Neurobiology, 2021, 203, 102077.	2.8	5
1068	Sensory attenuation is modulated by the contrasting effects of predictability and control. Neurolmage, 2021, 237, 118103.	2.1	14
1069	How did language evolve in the lineage of higher primates?. Lingua, 2021, 264, 103158.	0.4	4

#	Article	IF	CITATIONS
1070	Parallel and distributed encoding of speech across human auditory cortex. Cell, 2021, 184, 4626-4639.e13.	13.5	103
1071	Speech-Driven Spectrotemporal Receptive Fields Beyond the Auditory Cortex. Hearing Research, 2021, 408, 108307.	0.9	8
1072	Blood Analysis of Laboratory <i>Macaca mulatta </i> Used for Neuroscience Research: Investigation of Long-Term and Cumulative Effects of Implants, Fluid Control, and Laboratory Procedures. ENeuro, 2021, 8, ENEURO.0284-21.2021.	0.9	7
1073	Deficient sensory and cognitive processing in children with cochlear implants: An event-related potential study. Hearing Research, 2021, 408, 108295.	0.9	5
1075	The cortical organization of listening effort: New insight from functional near-infrared spectroscopy. NeuroImage, 2021, 240, 118324.	2.1	22
1076	Brain regions that support accurate speech production after damage to Broca's area. Brain Communications, 2021, 3, fcab230.	1.5	9
1077	Improving speech perception in noise in young and older adults using transcranial magnetic stimulation. Brain and Language, 2021, 222, 105009.	0.8	2
1078	Does the temporal cortex make us human? A review of structural and functional diversity of the primate temporal lobe. Neuroscience and Biobehavioral Reviews, 2021, 131, 400-410.	2.9	26
1079	Neural dynamics underlying the acquisition of distinct auditory category structures. NeuroImage, 2021, 244, 118565.	2.1	6
1080	Neural oscillations track natural but not artificial fast speech: Novel insights from speech-brain coupling using MEG. Neurolmage, 2021, 244, 118577.	2.1	11
1081	Musical Expertise Shapes Functional and Structural Brain Networks Independent of Absolute Pitch Ability. Journal of Neuroscience, 2021, 41, 2496-2511.	1.7	19
1082	Inner Speech Brain Mapping. Is It Possible to Map What We Cannot Observe?. , 2021, , 381-409.		0
1083	Aging auditory cortex., 2021,, 183-192.		5
1084	An auditory hand-proximity effect: The auditory Simon effect is enhanced near the hands. Psychonomic Bulletin and Review, 2021, 28, 853-861.	1.4	3
1085	Discovering the Neuroanatomical Correlates of Music with Machine Learning., 2021, , 117-161.		1
1086	Damage to Broca's area does not contribute to long-term speech production outcome after stroke. Brain, 2021, 144, 817-832.	3.7	65
1087	Direct-Sense Brainâ€"Computer Interfaces and Wearable Computers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 298-312.	5.9	22
1090	Audio-Visual Perception of Everyday Natural Objects – Hemodynamic Studies in Humans. , 2010, , 155-190.		11

#	Article	IF	CITATIONS
1091	Cortical Processing of Music. Springer Handbook of Auditory Research, 2012, , 261-294.	0.3	18
1092	Redefining the Functional Organization of the Planum Temporale Region: Space, Objects, and Sensory–Motor Integration. Springer Handbook of Auditory Research, 2012, , 333-350.	0.3	12
1093	Invasive Research Methods. Springer Handbook of Auditory Research, 2012, , 39-67.	0.3	2
1094	Speech Perception from a Neurophysiological Perspective. Springer Handbook of Auditory Research, 2012, , 225-260.	0.3	25
1095	Processing Streams in Auditory Cortex. Springer Handbook of Auditory Research, 2013, , 7-43.	0.3	4
1096	Phonemic Representations and Categories. Springer Handbook of Auditory Research, 2013, , 151-191.	0.3	8
1097	Neural Coding of Speech Sounds. , 2015, , 1-4.		1
1099	The Songbird Auditory System. , 2013, , 61-88.		3
1100	Neurological Disease Detection and Monitoring from Voice Production. Lecture Notes in Computer Science, 2011, , 1-8.	1.0	7
1101	New insights into the neurobiology of language from functional brain imaging. , 2011, , 131-143.		2
1102	Modulation of vocal pitch control through high-definition transcranial direct current stimulation of the left ventral motor cortex. Experimental Brain Research, 2020, 238, 1525-1535.	0.7	12
1104	Handicapped Due to Age?. Journal of Psychophysiology, 2012, 26, 132-144.	0.3	12
1105	Electroencephalographic evidence of vowels computation and representation in human auditory cortex. Linguistik Aktuell, 0, , 79-100.	0.5	3
1106	ChapterÂ8. Are there brain bases for phonological markedness?. Linguistik Aktuell, 0, , 191-218.	0.5	1
1107	ChapterÂ9. Neurobiological insights from the study of deafness and sign language. Trends in Language Acquisition Research, 2020, , 159-181.	0.2	6
1108	Learning Speech Production and Perception through Sensorimotor Interactions. Cerebral Cortex Communications, 2021, 2, tgaa091.	0.7	5
1133	Stimulus Speech Decoding from Human Cortex with Generative Adversarial Network Transfer Learning. , 2020, , .		9
1134	Normal Adult Aging and the Contextual Influences Affecting Speech and Meaningful Sound Perception. , 0, .		1

#	Article	IF	CITATIONS
1135	From where to what: a neuroanatomically based evolutionary model of the emergence of speech in humans. F1000Research, 2015, 4, 67.	0.8	2
1137	Reconstructing Speech from Human Auditory Cortex. PLoS Biology, 2012, 10, e1001251.	2.6	486
1138	Relating dynamic brain states to dynamic machine states: Human and machine solutions to the speech recognition problem. PLoS Computational Biology, 2017, 13, e1005617.	1.5	7
1139	When and Where of Auditory Spatial Processing in Cortex: A Novel Approach Using Electrotomography. PLoS ONE, 2011, 6, e25146.	1.1	34
1140	Stimulus-Related Independent Component and Voxel-Wise Analysis of Human Brain Activity during Free Viewing of a Feature Film. PLoS ONE, 2012, 7, e35215.	1.1	49
1141	The Temporal Lobes Differentiate between the Voices of Famous and Unknown People: An Event-Related fMRI Study on Speaker Recognition. PLoS ONE, 2012, 7, e47626.	1.1	23
1142	The Right Planum Temporale Is Involved in Stimulus-Driven, Auditory Attention – Evidence from Transcranial Magnetic Stimulation. PLoS ONE, 2013, 8, e57316.	1.1	18
1143	Suppression of the $\hat{A}\mu$ Rhythm during Speech and Non-Speech Discrimination Revealed by Independent Component Analysis: Implications for Sensorimotor Integration in Speech Processing. PLoS ONE, 2013, 8, e72024.	1.1	36
1144	Effective Cerebral Connectivity during Silent Speech Reading Revealed by Functional Magnetic Resonance Imaging. PLoS ONE, 2013, 8, e80265.	1.1	20
1145	Decoding Multiple Sound Categories in the Human Temporal Cortex Using High Resolution fMRI. PLoS ONE, 2015, 10, e0117303.	1.1	15
1146	Auditory-Motor Mapping Training: Comparing the Effects of a Novel Speech Treatment to a Control Treatment for Minimally Verbal Children with Autism. PLoS ONE, 2016, 11, e0164930.	1,1	42
1147	Don't speak too fast! Processing of fast rate speech in children with specific language impairment. PLoS ONE, 2018, 13, e0191808.	1.1	13
1148	Brain structures underlying lexical processing of speech: Evidence from brain imaging., 2011,, 197-230.		3
1149	Differences in Hearing Acuity among "Normal-Hearing―Young Adults Modulate the Neural Basis for Speech Comprehension. ENeuro, 2018, 5, ENEURO.0263-17.2018.	0.9	12
1150	Right Structural and Functional Reorganization in Four-Year-Old Children with Perinatal Arterial Ischemic Stroke Predict Language Production. ENeuro, 2019, 6, ENEURO.0447-18.2019.	0.9	19
1151	Neural Encoding and Representation of Time for Sensorimotor Control and Learning. Journal of Neuroscience, 2021, 41, 866-872.	1.7	27
1153	A method for testing synchronization to a musical beat in domestic horses (Equus ferus caballus). Empirical Musicology Review, 2013, 7, 144-156.	0.2	15
1154	The Role of Speech Production System in Audiovisual Speech Perception. Open Neuroimaging Journal, 2010, 4, 30-36.	0.2	13

#	Article	IF	CITATIONS
1155	The Margins of the Language Network in the Brain. Frontiers in Communication, 2020, 5, .	0.6	59
1156	New Levels of Language Processing Complexity and Organization Revealed by Granger Causation. Frontiers in Psychology, 2012, 3, 506.	1.1	13
1157	Lip movements entrain the observers' low-frequency brain oscillations to facilitate speech intelligibility. ELife, 2016, 5, .	2.8	130
1158	Contributions of local speech encoding and functional connectivity to audio-visual speech perception. ELife, 2017, 6, .	2.8	71
1159	Neurophysiological evidence of efference copies to inner speech. ELife, 2017, 6, .	2.8	56
1160	Modulation of tonotopic ventral medial geniculate body is behaviorally relevant for speech recognition. ELife, 2019, 8, .	2.8	25
1161	Rapid computations of spectrotemporal prediction error support perception of degraded speech. ELife, 2020, 9, .	2.8	41
1162	The multidimensional nature of aphasia recovery post-stroke. Brain, 2022, 145, 1354-1367.	3.7	23
1163	Brain plasticity and hearing disorders. Revue Neurologique, 2021, 177, 1121-1132.	0.6	15
1166	Reduced Semantic Context and Signal-to-Noise Ratio Increase Listening Effort As Measured Using Functional Near-Infrared Spectroscopy. Ear and Hearing, 2022, 43, 836-848.	1.0	2
1167	Audiovisual incongruence differentially impacts left and right hemisphere sensorimotor oscillations: Potential applications to production. PLoS ONE, 2021, 16, e0258335.	1.1	1
1168	Speech Computations of the Human Superior Temporal Gyrus. Annual Review of Psychology, 2022, 73, 79-102.	9.9	44
1169	Modeling Short-Time Parsing of Speech Features in Neocortical Structures. Lecture Notes in Computer Science, 2010, , 159-168.	1.0	0
1170	Towards a Neurophysiology of Language. , 2010, , 145-155.		0
1171	Neuroimaging and the Listening Brain. ASHA Leader, 2010, 15, 14-17.	0.2	1
1172	Functional imaging of brain regions sensitive to communication sounds in primates., 0,,.		0
1173	Review of research on speech technology. Journal of Speech Sciences, 2011, 1, 31-53.	0.1	1
1174	Langage et cerveauÂ: vingt ans d'imagerie fonctionnelle. Revue Francaise De Linguistique Appliquee, 2012, Vol. XVII, 9-18.	1.0	1

#	Article	IF	CITATIONS
1175	The Role of Auditory Cortex in Spatial Processing. Springer Handbook of Auditory Research, 2013, , 83-114.	0.3	0
1176	Neural Coding of Speech Sounds. , 2013, , 1-4.		0
1177	Auditorisches System., 2013,, 345-358.		0
1178	Brain networks for the encoding of emotions in communication sounds of human and nonhuman primates. , 2013, , 49-60.		2
1179	Imaging Perception. , 2014, , 157-190.		0
1181	Functional MRI of the Auditory Cortex. Biological Magnetic Resonance, 2015, , 473-507.	0.4	0
1185	Introduction: Speech and Language in the Brainâ€"Framing Multiple Perspectives. Innovations in Cognitive Neuroscience, 2017, , 1-7.	0.3	0
1186	The Neural Processing of Phonetic Information: The Role of the Superior Temporal Gyrus. Innovations in Cognitive Neuroscience, 2017, , 11-25.	0.3	0
1192	Global Monitoring of Dynamic Functional Interactions in the Brain During Chinese Verbs Perception. Lecture Notes in Computer Science, 2018, , 188-197.	1.0	0
1200	Anatomy and physiology of the auditory system related to cochlear implantation: based on cutting-edge research Audiology Japan, 2019, 62, 187-195.	0.1	0
1212	Comparisons between short-term memory systems for verbal and rhythmic stimuli. Neuropsychologia, 2021, 163, 108080.	0.7	4
1213	Right ventral stream damage underlies both poststroke aprosodia and amusia. European Journal of Neurology, 2022, 29, 873-882.	1.7	4
1214	From Neurons to Cognition: Technologies for Precise Recording of Neural Activity Underlying Behavior. BME Frontiers, 2020, 2020, .	2.2	7
1215	Angela D. Friederici 2017. Language in our brain. The origins of a uniquely human capacity. Cambridge, MA: The MIT Press. Pp. 304. US \$45 (hardcover) Canadian Journal of Linguistics, 2021, 66, 132-135.	0.2	0
1217	Navigated rTMS for Mapping the Language Network in Preoperative Settings: Current Status and Future Prospects. Contemporary Clinical Neuroscience, 2020, , 177-204.	0.3	0
1218	Coding of Spectral Information. , 2020, , 681-690.		O
1220	OBSOLETE: Entrainment in Human Auditory Cortex: Mechanism and Functions., 2020,,.		1
1221	The Auditory Cortex of Primates Including Man With Reference to Speech. , 2020, , 791-811.		2

#	Article	IF	CITATIONS
1226	Effect of Noise Reduction on Cortical Speech-in-Noise Processing and Its Variance due to Individual Noise Tolerance. Ear and Hearing, 2022, 43, 849-861.	1.0	3
1230	Effects of age and left hemisphere lesions on audiovisual integration of speech. Brain and Language, 2020, 206, 104812.	0.8	0
1231	Neuromorphic Speech Processing. , 0, , 447-473.		0
1237	Aphasia: Current Concepts in Theory and Practice. , 2014, 2, 1042.		7
1239	Language representation and presurgical language mapping in pediatric epilepsy: A narrative review. Iranian Journal of Child Neurology, 2020, 14, 7-18.	0.2	5
1240	Task-dependent cortical activations during selective attention to audiovisual speech. Brain Research, 2022, 1775, 147739.	1.1	4
1242	Neurological Foundations of Phonetic Sciences. , 2021, , 407-429.		0
1243	Modelling concrete and abstract concepts using brain-constrained deep neural networks. Psychological Research, 2022, 86, 2533-2559.	1.0	18
1244	Effects of Auditory LTP-Like Stimulation on Auditory Stimulus Processing. Neuroscience and Behavioral Physiology, 2021, 51, 1323-1329.	0.2	4
1245	Functional differentiation in the language network revealed by lesion-symptom mapping. NeuroImage, 2022, 247, 118778.	2.1	16
1247	The dual stream model of speech and language processing. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 185, 57-69.	1.0	20
1248	Detection and Recognition of Asynchronous Auditory/Visual Speech: Effects of Age, Hearing Loss, and Talker Accent. Frontiers in Psychology, 2021, 12, 772867.	1.1	1
1250	Aphasia recovery by language training using a brain–computer interface: a proof-of-concept study. Brain Communications, 2022, 4, fcac008.	1.5	7
1252	Differential auditory cortical development in left and right cochlear implanted children. Cerebral Cortex, 2022, 32, 5438-5454.	1.6	4
1253	Continuous theta burst stimulation over left and right supramarginal gyri demonstrates their involvement in auditory feedback control of vocal production. Cerebral Cortex, 2022, 33, 11-22.	1.6	7
1254	Amateur singing benefits speech perception in aging under certain conditions of practice: behavioural and neurobiological mechanisms. Brain Structure and Function, 2022, 227, 943-962.	1.2	8
1255	Structural disconnection of the posterior medial frontal cortex reduces speech error monitoring. Neurolmage: Clinical, 2022, 33, 102934.	1.4	3
1256	On the flexibility of the sound-to-meaning mapping when listening to native and foreign-accented speech. Cortex, 2022, 149, 1-15.	1.1	6

#	Article	IF	CITATIONS
1257	Laterality in Emotional Language Processing in First and Second Language. Frontiers in Psychology, 2021, 12, 736359.	1.1	2
1258	Right-Lateralized Enhancement of the Auditory Cortical Network During Imagined Music Performance. Frontiers in Neuroscience, 2022, 16, 739858.	1.4	0
1259	Controversy over the temporal cortical terminations of the left arcuate fasciculus: a reappraisal. Brain, 2022, 145, 1242-1256.	3.7	23
1260	Multi-modal imaging of the auditory-larynx motor network for voicing perception. Neurolmage, 2022, 251, 118981.	2.1	2
1261	Multiscale temporal integration organizes hierarchical computation in human auditory cortex. Nature Human Behaviour, 2022, 6, 455-469.	6.2	36
1263	Hierarchical cortical networks of "voice patches―for processing voices in human brain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	23
1264	Extracting Language Content from Speech Sounds: The Information Theoretic Approach. Springer Handbook of Auditory Research, 2022, , 113-139.	0.3	14
1265	Comparison of ERP in Internal Speech (Meaningful and Non-existent Words). Studies in Computational Intelligence, 2022, , 512-521.	0.7	0
1266	Sublexical cues affect degraded speech processing: insights from fMRI. Cerebral Cortex Communications, 2022, 3, tgac007.	0.7	3
1268	Cortical Representation of Speech Sounds: Insights from Intracranial Electrophysiology. Springer Handbook of Auditory Research, 2022, , 45-79.	0.3	1
1269	The Right Inferior Frontal Gyrus Plays an Important Role in Unconscious Information Processing: Activation Likelihood Estimation Analysis Based on Functional Magnetic Resonance Imaging. Frontiers in Neuroscience, 2022, 16, 781099.	1.4	2
1271	Structural connectivity in ventral language pathways characterizes non-verbal autism. Brain Structure and Function, 2022, 227, 1817-1829.	1.2	4
1273	Music in the brain. Nature Reviews Neuroscience, 2022, 23, 287-305.	4.9	116
1274	Neural decoding of emotional prosody in voice-sensitive auditory cortex predicts social communication abilities in children. Cerebral Cortex, 2023, 33, 709-728.	1.6	2
1275	Evaluation of a Simple Clinical Language Paradigm With Respect to Sensory Independency, Functional Asymmetry, and Effective Connectivity. Frontiers in Behavioral Neuroscience, 2022, 16, 806520.	1.0	1
1276	Distinct functional levels of human voice processing in the auditory cortex. Cerebral Cortex, 2023, 33, 1170-1185.	1.6	3
1278	Event-related responses reflect chunk boundaries in natural speech. Neurolmage, 2022, 255, 119203.	2.1	9
1279	Significance of event related causality (ERC) in eloquent neural networks. Neural Networks, 2022, 149, 204-216.	3.3	3

#	Article	IF	CITATIONS
1280	Detecting changes in dynamical structures in synchronous neural oscillations using probabilistic inference. NeuroImage, 2022, 252, 119052.	2.1	0
1282	Escaping the nocturnal bottleneck, and the evolution of the dorsal and ventral streams of visual processing in primates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210293.	1.8	15
1283	Attention Differentially Affects Acoustic and Phonetic Feature Encoding in a Multispeaker Environment. Journal of Neuroscience, 2022, 42, 682-691.	1.7	20
1284	Distributed networks for auditory memory differentially contribute to recall precision. NeuroImage, 2022, 256, 119227.	2.1	4
1307	Affective speech modulates a cortico-limbic network in real time. Progress in Neurobiology, 2022, 214, 102278.	2.8	1
1308	Brain-Language Research: Where is the Progress?. Biolinguistics, 2010, 4, 255-288.	0.6	20
1309	Quod Homines tot Sententiae â€" There Are as Many Opinions as There Are Men. Biolinguistics, 2011, 5, 226-253.	0.6	0
1310	Gamma Activation and Alpha Suppression within Human Auditory Cortex during a Speech Classification Task. Journal of Neuroscience, 2022, 42, 5034-5046.	1.7	7
1311	Topological Maps and Brain Computations From Low to High. Frontiers in Systems Neuroscience, 2022, 16, .	1.2	15
1312	The Neuroanatomy of Speech Processing: A Large-scale Lesion Study. Journal of Cognitive Neuroscience, 0, , 1-21.	1.1	11
1313	The human language effective connectome. Neurolmage, 2022, 258, 119352.	2.1	34
1317	Moving beyond domain-specific versusÂdomain-general options in cognitive neuroscience. Cortex, 2022, 154, 259-268.	1.1	10
1318	Cochlea to categories: The spatiotemporal dynamics of semantic auditory representations. Cognitive Neuropsychology, 2021, 38, 468-489.	0.4	2
1319	Speech sound categorization: The contribution of non-auditory and auditory cortical regions. Neurolmage, 2022, 258, 119375.	2.1	7
1320	Neural Coding of Speech Sounds. , 2022, , 2209-2212.		0
1323	Impaired Categorical Perception of Speech Sounds Under the Backward Masking Condition in Adults Who Stutter. Journal of Speech, Language, and Hearing Research, 2022, 65, 2554-2570.	0.7	2
1324	A voice without a mouth no more: The neurobiology of language and consciousness. Neuroscience and Biobehavioral Reviews, 2022, 140, 104772.	2.9	6
1325	The connectional anatomy of the temporal lobe. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, , 3-16.	1.0	6

#	Article	IF	CITATIONS
1326	Socially meaningful visual context either enhances or inhibits vocalisation processing in the macaque brain. Nature Communications, 2022, $13$ , .	5.8	4
1327	The dual-loop model for combining external and internalÂworlds in our brain. NeuroImage, 2022, 263, 119583.	2.1	5
1328	Rapid adaptation of predictive models during language comprehension: Aperiodic EEG slope, individual alpha frequency and idea density modulate individual differences in real-time model updating. Frontiers in Psychology, 0, 13, .	1.1	11
1329	Greater tau pathology is associated with altered predictive coding. Brain Communications, 2022, 4, .	1.5	3
1330	Intrinsic brain activity reorganization contributes to long-term compensation of higher-order hearing abilities in single-sided deafness. Frontiers in Neuroscience, 0, 16, .	1.4	1
1332	Cognitive Appraisal of Sleep and Brain Activation in Response to Sleep-Related Sounds in Healthy Adults. Nature and Science of Sleep, 0, Volume 14, 1407-1416.	1.4	0
1333	Neural correlates of perceived emotions in human insula and amygdala for auditory emotion recognition. Neurolmage, 2022, 260, 119502.	2.1	3
1334	Music processing and amusia. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, , 55-67.	1.0	2
1335	Cortical disorders of speech processing: Pure word deafness and auditory agnosia. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, , 69-87.	1.0	2
1336	It Thrills My Soul to Hear the Songs: The Case of Musicolepsia. , 2022, , 85-124.		0
1337	The Neural Basis of Tonal Processing in Music: An ALE Meta-Analysis. Music & Science, 2022, 5, 205920432211099.	0.6	1
1338	Components of language processing and their long-term and working memory storage in the brain. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, , 109-126.	1.0	0
1339	General auditory and speech-specific contributions to cortical envelope tracking revealed using auditory chimeras. Journal of Neuroscience, 0, , JN-RM-2735-20.	1.7	12
1340	Decoding sounds depicting hand–object interactions in primary somatosensory cortex. Cerebral Cortex, 2023, 33, 3621-3635.	1.6	1
1341	Quantitative MRI reveals differences in striatal myelin in children with DLD. ELife, 0, 11, .	2.8	13
1342	Neural correlates of multisensory integration in the human brain: an ALE meta-analysis. Reviews in the Neurosciences, 2023, 34, 223-245.	1.4	9
1344	Neurosensory development of the four brainstem-projecting sensory systems and their integration in the telencephalon. Frontiers in Neural Circuits, 0, 16, .	1.4	4
1346	Organization and current understanding of speech function of the brain: literature review. Russian Journal of Neurosurgery, 2022, 24, 80-89.	0.1	0

#	Article	IF	CITATIONS
1347	Unraveling the functional attributes of the language connectome: crucial subnetworks, flexibility and variability. NeuroImage, 2022, 263, 119672.	2.1	8
1348	Learning to see after early and extended blindness: A scoping review. Frontiers in Psychology, 0, 13, .	1.1	2
1349	Decoding lexical tones and vowels in imagined tonal monosyllables using fNIRS signals. Journal of Neural Engineering, 2022, 19, 066007.	1.8	4
1352	Motor constellation theory: A model of infants' phonological development. Frontiers in Psychology, 0, 13, .	1.1	2
1353	Brain activity during shadowing of audiovisual cocktail party speech, contributions of auditory–motor integration and selective attention. Scientific Reports, 2022, 12, .	1.6	2
1354	Right Posterior Temporal Cortex Supports Integration of Phonetic and Talker Information. Neurobiology of Language (Cambridge, Mass), 2023, 4, 145-177.	1.7	2
1355	Association fiber tracts related to Broca's area: A comparative study based on diffusion spectrum imaging and fiber dissection. Frontiers in Neuroscience, 0, 16, .	1.4	0
1356	Temporal visual representation elicits early auditory-like responses in hearing but not in deaf individuals. Scientific Reports, 2022, 12, .	1.6	0
1357	On the representation of hierarchical structure: Revisiting Darwin's musical protolanguage. Frontiers in Human Neuroscience, 0, 16, .	1.0	1
1358	Towards a somatosensory theory of speech perception. Journal of Neurophysiology, 2022, 128, 1683-1695.	0.9	3
1359	Rostro-caudal networks for sound processing in the primate brain. Frontiers in Neuroscience, $0, 16, .$	1.4	0
1360	Neuroimaging evidence for the direct role of auditory scene analysis in object perception. Cerebral Cortex, 2023, 33, 6257-6272.	1.6	0
1361	On the similarities of representations in artificial and brain neural networks for speech recognition. Frontiers in Computational Neuroscience, $0,16,.$	1.2	0
1362	The cortical regions and white matter tracts underlying auditory comprehension in patients with primary brain tumor. Human Brain Mapping, 2023, 44, 1603-1616.	1.9	1
1363	Speaking in gestures: Left dorsal and ventral frontotemporal brain systems underlie communication in conducting. European Journal of Neuroscience, 2023, 57, 324-350.	1.2	0
1364	Auditory cortical connectivity in humans. Cerebral Cortex, 2023, 33, 6207-6227.	1.6	13
1365	Reversible Inactivation of Ferret Auditory Cortex Impairs Spatial and Nonspatial Hearing. Journal of Neuroscience, 2023, 43, 749-763.	1.7	2
1368	Chronology of auditory processing and related co-activation in the orbitofrontal cortex depends on musical expertise. Frontiers in Neuroscience, 0, 16, .	1.4	1

#	Article	IF	CITATIONS
1369	The Role of the Left Inferior Frontal Gyrus in Introspection during Verbal Communication. Brain Sciences, 2023, 13, 111.	1.1	1
1370	Transformation of acoustic information to sensory decision variables in the parietal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	6
1371	Responses in left inferior frontal gyrus are altered for speechâ€inâ€noise processing, but not for clear speech in autism. Brain and Behavior, 2023, 13, .	1.0	5
1372	Reorganization and Plasticity of the Language Network in Patients with Cerebral Gliomas. Neurolmage: Clinical, 2023, 37, 103326.	1.4	7
1373	Atypical cortical processing of bottom-up speech binding cues in children with autism spectrum disorders. Neurolmage: Clinical, 2023, 37, 103336.	1.4	1
1374	Language Experience during Infancy Predicts White Matter Myelination at Age 2 Years. Journal of Neuroscience, 2023, 43, 1590-1599.	1.7	8
1375	Hippocampus Modulates Vocalizations Responses at Early Auditory Centers. NeuroImage, 2023, 270, 119943.	2.1	0
1376	Intra– and inter–hemispheric network dynamics supporting object recognition and speech production. Neurolmage, 2023, 270, 119954.	2.1	5
1377	Brain networks for temporal adaptation, anticipation, and sensory-motor integration in rhythmic human behavior. Neuropsychologia, 2023, 183, 108524.	0.7	3
1378	Functional network properties of the auditory cortex. Hearing Research, 2023, 433, 108768.	0.9	2
1379	From perception to behavior: The neural circuits underlying prey hunting in larval zebrafish. Frontiers in Neural Circuits, 0, 17, .	1.4	6
1380	Beyond Broca: neural architecture and evolution of a dual motor speech coordination system. Brain, 2023, 146, 1775-1790.	3.7	17
1381	Brain-constrained neural modeling explains fast mapping of words to meaning. Cerebral Cortex, 2023, 33, 6872-6890.	1.6	5
1382	Joint, distributed and hierarchically organized encoding of linguistic features in the human auditory cortex. Nature Human Behaviour, 2023, 7, 740-753.	6.2	9
1383	Intermediate acoustic-to-semantic representations link behavioral and neural responses to natural sounds. Nature Neuroscience, 2023, 26, 664-672.	7.1	15
1384	The effect of noise on the cortical activity patterns of speech processing in adults with single-sided deafness. Frontiers in Neurology, 0, $14$ , .	1.1	0
1386	A tale of two lexica: Investigating computational pressures on word representation with neural networks. Frontiers in Artificial Intelligence, 0, 6, .	2.0	1
1387	Formulating a learning factor using ERP signals evoked by a known and unknown language. AIP Conference Proceedings, 2023, , .	0.3	0

#	Article	IF	CITATIONS
1388	The right uncinate fasciculus supports verbal short-term memory in aphasia. Brain Structure and Function, 2023, 228, 875-893.	1.2	1
1389	Intrinsic neural timescales in the temporal lobe support an auditory processing hierarchy. Journal of Neuroscience, 0, , JN-RM-1941-22.	1.7	3
1397	Representation, Reference, Relevance, and Retention. Synthesis Lectures on Information Concepts, Retrieval, and Services, 2023, , 1-14.	0.6	0
1400	Cerebral organization for speech/language and neuroanatomy of speech/language disorders. , 2023, , 47-72.		O
1412	Predictive coding in music, speech, and language., 2023,, 345-376.		2
1421	The Auditory Agnosias: a Short Review of Neurofunctional Evidence. Current Neurology and Neuroscience Reports, 2023, 23, 671-679.	2.0	1
1422	Is song processing distinct and special in the auditory cortex?. Nature Reviews Neuroscience, 2023, 24, 711-722.	4.9	2
1434	BrainTalker: Low-Resource Brain-to-Speech Synthesis with Transfer Learning using Wav2Vec 2.0., 2023,		O
1457	The Frontostriatal Gating Model of Tinnitus. , 2024, , 221-230.		0