

Robert J Zatorre

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

250
papers

29,956
citations

90
h-index

170
g-index

268
ext. papers

34,048
ext. citations

8.2
avg, IF

7.54
L-index

#	Paper	IF	Citations
250	Voice-selective areas in human auditory cortex. <i>Nature</i> , 2000 , 403, 309-12	50.4	1351
249	Structure and function of auditory cortex: music and speech. <i>Trends in Cognitive Sciences</i> , 2002 , 6, 37-46	14	1145
248	Plasticity in gray and white: neuroimaging changes in brain structure during learning. <i>Nature Neuroscience</i> , 2012 , 15, 528-36	25.5	1047
247	When the brain plays music: auditory-motor interactions in music perception and production. <i>Nature Reviews Neuroscience</i> , 2007 , 8, 547-58	13.5	938
246	Anatomically distinct dopamine release during anticipation and experience of peak emotion to music. <i>Nature Neuroscience</i> , 2011 , 14, 257-62	25.5	858
245	Spectral and temporal processing in human auditory cortex. <i>Cerebral Cortex</i> , 2001 , 11, 946-53	5.1	854
244	Emotional responses to pleasant and unpleasant music correlate with activity in paralimbic brain regions. <i>Nature Neuroscience</i> , 1999 , 2, 382-7	25.5	764
243	Anatomically distinct dopamine release during anticipation and experience of peak emotion to music. <i>Nature Neuroscience</i> , 2011 , 14, 257-262	25.5	566
242	Functional localization and lateralization of human olfactory cortex. <i>Nature</i> , 1992 , 360, 339-40	50.4	547
241	Listening to musical rhythms recruits motor regions of the brain. <i>Cerebral Cortex</i> , 2008 , 18, 2844-54	5.1	475
240	Neurologic sequelae of domoic acid intoxication due to the ingestion of contaminated mussels. <i>New England Journal of Medicine</i> , 1990 , 322, 1781-7	59.2	474
239	Musical training as a framework for brain plasticity: behavior, function, and structure. <i>Neuron</i> , 2012 , 76, 486-502	13.9	454
238	Brain organization for music processing. <i>Annual Review of Psychology</i> , 2005 , 56, 89-114	26.1	443
237	Interactions between the nucleus accumbens and auditory cortices predict music reward value. <i>Science</i> , 2013 , 340, 216-9	33.3	418
236	Time-related changes in neural systems underlying attention and arousal during the performance of an auditory vigilance task. <i>Journal of Cognitive Neuroscience</i> , 1997 , 9, 392-408	3.1	412
235	Human cortical gustatory areas: a review of functional neuroimaging data. <i>NeuroReport</i> , 1999 , 10, 7-14	1.7	367
234	Hearing in the Mind's Ear: A PET Investigation of Musical Imagery and Perception. <i>Journal of Cognitive Neuroscience</i> , 1996 , 8, 29-46	3.1	364

233	When that tune runs through your head: a PET investigation of auditory imagery for familiar melodies. <i>Cerebral Cortex</i> , 1999 , 9, 697-704	5.1	344
232	Human temporal-lobe response to vocal sounds. <i>Cognitive Brain Research</i> , 2002 , 13, 17-26		319
231	Moving on time: brain network for auditory-motor synchronization is modulated by rhythm complexity and musical training. <i>Journal of Cognitive Neuroscience</i> , 2008 , 20, 226-39	3.1	312
230	The rewarding aspects of music listening are related to degree of emotional arousal. <i>PLoS ONE</i> , 2009 , 4, e7487	3.7	309
229	Functional specificity in the right human auditory cortex for perceiving pitch direction. <i>Brain</i> , 2000 , 123 (Pt 1), 155-63	11.2	293
228	Adaptation to speaker's voice in right anterior temporal lobe. <i>NeuroReport</i> , 2003 , 14, 2105-9	1.7	284
227	Where is 'where' in the human auditory cortex?. <i>Nature Neuroscience</i> , 2002 , 5, 905-9	25.5	276
226	Neuroanatomical correlates of musicianship as revealed by cortical thickness and voxel-based morphometry. <i>Cerebral Cortex</i> , 2009 , 19, 1583-96	5.1	270
225	A functional neuroimaging study of sound localization: visual cortex activity predicts performance in early-blind individuals. <i>PLoS Biology</i> , 2005 , 3, e27	9.7	270
224	From perception to pleasure: music and its neural substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110 Suppl 2, 10430-7	11.5	269
223	Neuropsychology: pitch discrimination in the early blind. <i>Nature</i> , 2004 , 430, 309	50.4	267
222	Neural specializations for speech and pitch: moving beyond the dichotomies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 1087-104	5.8	266
221	Olfactory identification deficits in patients with focal cerebral excision. <i>Neuropsychologia</i> , 1988 , 26, 387-400	3.2	261
220	Congenital amusia: a disorder of fine-grained pitch discrimination. <i>Neuron</i> , 2002 , 33, 185-91	13.9	257
219	Pitch perception of complex tones and human temporal-lobe function. <i>Journal of the Acoustical Society of America</i> , 1988 , 84, 566-72	2.2	252
218	Event-related fMRI of the auditory cortex. <i>NeuroImage</i> , 1999 , 10, 417-29	7.9	245
217	Modulation of cerebral blood flow in the human auditory cortex during speech: role of motor-to-sensory discharges. <i>European Journal of Neuroscience</i> , 1996 , 8, 2236-46	3.5	240
216	Early musical training and white-matter plasticity in the corpus callosum: evidence for a sensitive period. <i>Journal of Neuroscience</i> , 2013 , 33, 1282-90	6.6	235

215	Mental concerts: musical imagery and auditory cortex. <i>Neuron</i> , 2005 , 47, 9-12	13.9	232
214	'What', 'where' and 'how' in auditory cortex. <i>Nature Neuroscience</i> , 2000 , 3, 965-6	25.5	231
213	Flavor processing: more than the sum of its parts. <i>NeuroReport</i> , 1997 , 8, 3913-7	1.7	227
212	Cortical thickness in congenital amusia: when less is better than more. <i>Journal of Neuroscience</i> , 2007 , 27, 13028-32	6.6	221
211	Role of the right temporal neocortex in retention of pitch in auditory short-term memory. <i>Brain</i> , 1991 , 114 (Pt 6), 2403-17	11.2	218
210	Predictions and the brain: how musical sounds become rewarding. <i>Trends in Cognitive Sciences</i> , 2015 , 19, 86-91	14	216
209	Anatomical correlates of learning novel speech sounds. <i>Neuron</i> , 2002 , 35, 997-1010	13.9	211
208	Cortical contributions to the auditory frequency-following response revealed by MEG. <i>Nature Communications</i> , 2016 , 7, 11070	17.4	210
207	Interactions between auditory and dorsal premotor cortex during synchronization to musical rhythms. <i>NeuroImage</i> , 2006 , 32, 1771-81	7.9	206
206	Temporal lobe epilepsy caused by domoic acid intoxication: evidence for glutamate receptor-mediated excitotoxicity in humans. <i>Annals of Neurology</i> , 1995 , 37, 123-6	9.4	196
205	Music, the food of neuroscience?. <i>Nature</i> , 2005 , 434, 312-5	50.4	194
204	Auditory attention to space and frequency activates similar cerebral systems. <i>NeuroImage</i> , 1999 , 10, 544-54	7.9	190
203	Behavioral and neural correlates of perceived and imagined musical timbre. <i>Neuropsychologia</i> , 2004 , 42, 1281-92	3.2	189
202	Neural substrates for dividing and focusing attention between simultaneous auditory and visual events. <i>NeuroImage</i> , 2006 , 31, 1673-81	7.9	188
201	Learning new sounds of speech: reallocation of neural substrates. <i>NeuroImage</i> , 2004 , 21, 494-506	7.9	188
200	Morphometry of the amusic brain: a two-site study. <i>Brain</i> , 2006 , 129, 2562-70	11.2	185
199	Attention to simultaneous unrelated auditory and visual events: behavioral and neural correlates. <i>Cerebral Cortex</i> , 2005 , 15, 1609-20	5.1	183
198	Asymmetries of the planum temporale and Heschl's gyrus: relationship to language lateralization. <i>Brain</i> , 2006 , 129, 1164-76	11.2	181

197	Evidence for the role of the right auditory cortex in fine pitch resolution. <i>Neuropsychologia</i> , 2008 , 46, 632-9	3.2	175
196	A cross-linguistic PET study of tone perception in Mandarin Chinese and English speakers. <i>NeuroImage</i> , 2001 , 13, 646-53	7.9	171
195	Cerebral organization in bilinguals: a PET study of Chinese-English verb generation. <i>NeuroReport</i> , 1999 , 10, 2841-6	1.7	169
194	Experience-dependent neural substrates involved in vocal pitch regulation during singing. <i>NeuroImage</i> , 2008 , 40, 1871-87	7.9	167
193	Sensitivity to auditory object features in human temporal neocortex. <i>Journal of Neuroscience</i> , 2004 , 24, 3637-42	6.6	163
192	Perceptual asymmetry on the dichotic fused words test and cerebral speech lateralization determined by the carotid sodium amytal test. <i>Neuropsychologia</i> , 1989 , 27, 1207-19	3.2	163
191	Absolute pitch: a model for understanding the influence of genes and development on neural and cognitive function. <i>Nature Neuroscience</i> , 2003 , 6, 692-5	25.5	162
190	Functional MRI evidence of an abnormal neural network for pitch processing in congenital amusia. <i>Cerebral Cortex</i> , 2011 , 21, 292-9	5.1	160
189	Volume of left Heschl's Gyrus and linguistic pitch learning. <i>Cerebral Cortex</i> , 2008 , 18, 828-36	5.1	153
188	Discrimination and recognition of tonal melodies after unilateral cerebral excisions. <i>Neuropsychologia</i> , 1985 , 23, 31-41	3.2	152
187	Spatial localization after excision of human auditory cortex. <i>Journal of Neuroscience</i> , 2001 , 21, 6321-8	6.6	150
186	Relating structure to function: Heschl's gyrus and acoustic processing. <i>Journal of Neuroscience</i> , 2009 , 29, 61-9	6.6	141
185	Spectro-temporal modulation transfer function of single voxels in the human auditory cortex measured with high-resolution fMRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 14611-6	11.5	141
184	Individual Differences in Music Reward Experiences. <i>Music Perception</i> , 2013 , 31, 118-138	1.6	133
183	Neural specializations for tonal processing. <i>Annals of the New York Academy of Sciences</i> , 2001 , 930, 193-210	1.0	133
182	Localization of cerebral activity during simple singing. <i>NeuroReport</i> , 1999 , 10, 3979-84	1.7	132
181	Neural mechanisms involved in odor pleasantness and intensity judgments. <i>NeuroReport</i> , 2000 , 11, 2711-16	1.7	131
180	A role for the right anterior temporal lobe in taste quality recognition. <i>Journal of Neuroscience</i> , 1997 , 17, 5136-42	6.6	123

179	A role for the intraparietal sulcus in transforming musical pitch information. <i>Cerebral Cortex</i> , 2010 , 20, 1350-9	5.1	121
178	Effect of unilateral temporal-lobe excision on perception and imagery of songs. <i>Neuropsychologia</i> , 1993 , 31, 221-32	3.2	119
177	The morphometry of auditory cortex in the congenitally deaf measured using MRI. <i>NeuroImage</i> , 2003 , 20, 1215-25	7.9	116
176	Musical melody and speech intonation: singing a different tune. <i>PLoS Biology</i> , 2012 , 10, e1001372	9.7	114
175	Neuronal correlates of perception, imagery, and memory for familiar tunes. <i>Journal of Cognitive Neuroscience</i> , 2012 , 24, 1382-97	3.1	114
174	Cortical structure predicts success in performing musical transformation judgments. <i>NeuroImage</i> , 2010 , 53, 26-36	7.9	108
173	Right-nostril advantage for discrimination of odors. <i>Perception & Psychophysics</i> , 1990 , 47, 526-31		108
172	Recognition of dichotic melodies by musicians and nonmusicians. <i>Neuropsychologia</i> , 1979 , 17, 607-17	3.2	108
171	Differential occipital responses in early- and late-blind individuals during a sound-source discrimination task. <i>NeuroImage</i> , 2008 , 40, 746-758	7.9	107
170	Contribution of the right temporal lobe to musical timbre discrimination. <i>Neuropsychologia</i> , 1994 , 32, 231-40	3.2	107
169	Predispositions and plasticity in music and speech learning: neural correlates and implications. <i>Science</i> , 2013 , 342, 585-9	33.3	106
168	Positional and surface area asymmetry of the human cerebral cortex. <i>NeuroImage</i> , 2009 , 46, 895-903	7.9	106
167	Left-hemisphere specialization for the processing of acoustic transients. <i>NeuroReport</i> , 1997 , 8, 1761-5	1.7	98
166	Olfactory learning: convergent findings from lesion and brain imaging studies in humans. <i>Brain</i> , 2002 , 125, 86-101	11.2	98
165	Interacting cortical and basal ganglia networks underlying finding and tapping to the musical beat. <i>Journal of Cognitive Neuroscience</i> , 2013 , 25, 401-20	3.1	97
164	Dissociation between musical and monetary reward responses in specific musical anhedonia. <i>Current Biology</i> , 2014 , 24, 699-704	6.3	95
163	Mental reversal of imagined melodies: a role for the posterior parietal cortex. <i>Journal of Cognitive Neuroscience</i> , 2010 , 22, 775-89	3.1	95
162	Selective Entrainment of Theta Oscillations in the Dorsal Stream Causally Enhances Auditory Working Memory Performance. <i>Neuron</i> , 2017 , 94, 193-206.e5	13.9	91

161	The role of auditory and premotor cortex in sensorimotor transformations. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1169, 15-34	6.5	89
160	Dopamine modulates the reward experiences elicited by music. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3793-3798	11.5	88
159	Neural correlates of specific musical anhedonia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E7337-E7345	11.5	87
158	Bilingual brain organization: a functional magnetic resonance adaptation study. <i>NeuroImage</i> , 2006 , 31, 366-75	7.9	85
157	Working memory in another dimension: functional imaging of human olfactory working memory. <i>NeuroImage</i> , 2001 , 14, 650-60	7.9	84
156	Melodic and harmonic discrimination following unilateral cerebral excision. <i>Brain and Cognition</i> , 1988 , 7, 348-60	2.7	84
155	Neural networks involved in voluntary and involuntary vocal pitch regulation in experienced singers. <i>Neuropsychologia</i> , 2010 , 48, 607-18	3.2	82
154	Individual differences in the acquisition of second language phonology. <i>Brain and Language</i> , 2009 , 109, 55-67	2.9	80
153	Neuroanatomical correlates of olfactory performance. <i>Experimental Brain Research</i> , 2010 , 201, 1-11	2.3	77
152	Constraints on the selection of auditory information.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1998 , 24, 66-79	2.6	76
151	Voice perception in blind persons: a functional magnetic resonance imaging study. <i>Neuropsychologia</i> , 2009 , 47, 2967-74	3.2	75
150	Speech-in-noise perception in musicians: A review. <i>Hearing Research</i> , 2017 , 352, 49-69	3.9	73
149	Multiple coding strategies in the retention of musical tones by possessors of absolute pitch. <i>Memory and Cognition</i> , 1989 , 17, 582-9	2.2	73
148	Influence of tonal context and timbral variation on perception of pitch. <i>Perception & Psychophysics</i> , 2002 , 64, 198-207		72
147	Depth electrode recordings show double dissociation between pitch processing in lateral Heschl's gyrus and sound onset processing in medial Heschl's gyrus. <i>Experimental Brain Research</i> , 2008 , 187, 97-105	2.3	71
146	Early musical training is linked to gray matter structure in the ventral premotor cortex and auditory-motor rhythm synchronization performance. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 755-67	3.1	70
145	Music lexical networks: the cortical organization of music recognition. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1169, 256-65	6.5	70
144	Familiarity mediates the relationship between emotional arousal and pleasure during music listening. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 534	3.3	68

143	The neuronal substrates of human olfactory based kin recognition. <i>Human Brain Mapping</i> , 2009 , 30, 2571-80	5.9	68
142	Cortical Correlates of the Auditory Frequency-Following and Onset Responses: EEG and fMRI Evidence. <i>Journal of Neuroscience</i> , 2017 , 37, 830-838	6.6	67
141	The role of the dorsolateral prefrontal cortex in bimodal divided attention: two transcranial magnetic stimulation studies. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 907-20	3.1	66
140	Word and nonword repetition in bilingual subjects: a PET study. <i>Human Brain Mapping</i> , 2006 , 27, 153-61	5.9	65
139	Differences in gray matter between musicians and nonmusicians. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1060, 395-9	6.5	64
138	Identification, discrimination, and selective adaptation of simultaneous musical intervals. <i>Perception & Psychophysics</i> , 1979 , 26, 384-95		64
137	Learning and retention of melodic and verbal information after unilateral temporal lobectomy. <i>Neuropsychologia</i> , 1992 , 30, 815-26	3.2	63
136	Language localization with activation positron emission tomography scanning. <i>Neurosurgery</i> , 1992 , 31, 369-73	3.2	62
135	Dissociation of Neural Networks for Predisposition and for Training-Related Plasticity in Auditory-Motor Learning. <i>Cerebral Cortex</i> , 2016 , 26, 3125-34	5.1	61
134	Organization and reorganization of sensory-deprived cortex. <i>Current Biology</i> , 2012 , 22, R168-73	6.3	61
133	Structural brain changes linked to delayed first language acquisition in congenitally deaf individuals. <i>NeuroImage</i> , 2013 , 66, 42-9	7.9	61
132	Evolving perspectives on the sources of the frequency-following response. <i>Nature Communications</i> , 2019 , 10, 5036	17.4	60
131	Modulating musical reward sensitivity up and down with transcranial magnetic stimulation. <i>Nature Human Behaviour</i> , 2018 , 2, 27-32	12.8	60
130	Asymmetric Interhemispheric Transfer in the Auditory Network: Evidence from TMS, Resting-State fMRI, and Diffusion Imaging. <i>Journal of Neuroscience</i> , 2015 , 35, 14602-11	6.6	59
129	Predictability and Uncertainty in the Pleasure of Music: A Reward for Learning?. <i>Journal of Neuroscience</i> , 2019 , 39, 9397-9409	6.6	58
128	Abstract encoding of auditory objects in cortical activity patterns. <i>Cerebral Cortex</i> , 2013 , 23, 2025-37	5.1	58
127	Musical Perception and Cerebral Function: A Critical Review. <i>Music Perception</i> , 1984 , 2, 196-221	1.6	54
126	Distinct sensitivity to spectrotemporal modulation supports brain asymmetry for speech and melody. <i>Science</i> , 2020 , 367, 1043-1047	33.3	53

125	Musical pleasure and reward: mechanisms and dysfunction. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1337, 202-11	6.5	52
124	Experience-dependent modulation of feedback integration during singing: role of the right anterior insula. <i>Journal of Neuroscience</i> , 2013 , 33, 6070-80	6.6	52
123	Cerebral lateralization in bilinguals: methodological issues. <i>Brain and Language</i> , 1982 , 15, 40-54	2.9	51
122	Musical training sharpens and bonds ears and tongue to hear speech better. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 13579-13584	11.5	50
121	Right temporal cortex is critical for utilization of melodic contextual cues in a pitch constancy task. <i>Brain</i> , 2004 , 127, 1616-25	11.2	50
120	Music and the brain. <i>Annals of the New York Academy of Sciences</i> , 2003 , 999, 4-14	6.5	50
119	On the representation of multiple languages in the brain: old problems and new directions. <i>Brain and Language</i> , 1989 , 36, 127-47	2.9	50
118	Generalized learning of visual-to-auditory substitution in sighted individuals. <i>Brain Research</i> , 2008 , 1242, 263-75	3.7	48
117	Common parietal activation in musical mental transformations across pitch and time. <i>NeuroImage</i> , 2013 , 75, 27-35	7.9	47
116	Modulation of Functional Connectivity in Auditory-Motor Networks in Musicians Compared with Nonmusicians. <i>Cerebral Cortex</i> , 2017 , 27, 2768-2778	5.1	47
115	A Distribution of Absolute Pitch Ability as Revealed by Computerized Testing. <i>Music Perception</i> , 2009 , 27, 89-101	1.6	46
114	A positron emission tomography study during auditory localization by late-onset blind individuals. <i>NeuroReport</i> , 2006 , 17, 383-8	1.7	46
113	Evidence for both compensatory plastic and disuse atrophy-related neuroanatomical changes in the blind. <i>Brain</i> , 2014 , 137, 1224-40	11.2	45
112	Musical reward prediction errors engage the nucleus accumbens and motivate learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3310-3315	11.5	44
111	Crossmodal recruitment of primary visual cortex following brief exposure to bimodal audiovisual stimuli. <i>Neuropsychologia</i> , 2010 , 48, 591-600	3.2	44
110	Conditional associative memory for musical stimuli in nonmusicians: implications for absolute pitch. <i>Journal of Neuroscience</i> , 2005 , 25, 7718-23	6.6	44
109	Reorganization of auditory cortex in early-deaf people: functional connectivity and relationship to hearing aid use. <i>Journal of Cognitive Neuroscience</i> , 2015 , 27, 150-63	3.1	43
108	Deficits of musical timbre perception after unilateral temporal-lobe lesion revealed with multidimensional scaling. <i>Brain</i> , 2002 , 125, 511-23	11.2	43

107	Tactile-auditory shape learning engages the lateral occipital complex. <i>Journal of Neuroscience</i> , 2011 , 31, 7848-56	6.6	42
106	A role for the right superior temporal sulcus in categorical perception of musical chords. <i>Neuropsychologia</i> , 2011 , 49, 878-887	3.2	41
105	An acoustical study of vocal pitch matching in congenital amusia. <i>Journal of the Acoustical Society of America</i> , 2010 , 127, 504-12	2.2	41
104	Enhancement of visual motion detection thresholds in early deaf people. <i>PLoS ONE</i> , 2014 , 9, e90498	3.7	41
103	Neural interactions that give rise to musical pleasure.. <i>Psychology of Aesthetics, Creativity, and the Arts</i> , 2013 , 7, 62-75	4.9	40
102	Repetition suppression in auditory-motor regions to pitch and temporal structure in music. <i>Journal of Cognitive Neuroscience</i> , 2013 , 25, 313-28	3.1	39
101	Neural Correlates of Early Sound Encoding and their Relationship to Speech-in-Noise Perception. <i>Frontiers in Neuroscience</i> , 2017 , 11, 479	5.1	39
100	Trade-off in the sound localization abilities of early blind individuals between the horizontal and vertical planes. <i>Journal of Neuroscience</i> , 2015 , 35, 6051-6	6.6	39
99	Relevance of spectral cues for auditory spatial processing in the occipital cortex of the blind. <i>Frontiers in Psychology</i> , 2011 , 2, 48	3.4	39
98	Expert music performance: cognitive, neural, and developmental bases. <i>Progress in Brain Research</i> , 2015 , 217, 57-86	2.9	37
97	Preserved auditory spatial localization following cerebral hemispherectomy. <i>Brain</i> , 1995 , 118 (Pt 4), 879-89	11.2	37
96	Laterality differences for word identification in bilinguals. <i>Brain and Language</i> , 1978 , 6, 158-67	2.9	36
95	Neural substrates governing audiovocal integration for vocal pitch regulation in singing. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1060, 404-8	6.5	35
94	A right-ear advantage for dichotic listening in bilingual children. <i>Brain and Language</i> , 1981 , 13, 389-96	2.9	35
93	Network-Based Asymmetry of the Human Auditory System. <i>Cerebral Cortex</i> , 2018 , 28, 2655-2664	5.1	32
92	Modulation of auditory cortex response to pitch variation following training with microtonal melodies. <i>Frontiers in Psychology</i> , 2012 , 3, 544	3.4	32
91	Heterochrony and cross-species intersensory matching by infant vervet monkeys. <i>PLoS ONE</i> , 2009 , 4, e4302	3.7	32
90	There's more to auditory cortex than meets the ear. <i>Hearing Research</i> , 2007 , 229, 24-30	3.9	32

89	Obligatory role of the LIFG in synonym generation: evidence from PET and cortical stimulation. <i>NeuroReport</i> , 1997 , 8, 3275-9	1.7	31
88	The Right Hemisphere Planum Temporale Supports Enhanced Visual Motion Detection Ability in Deaf People: Evidence from Cortical Thickness. <i>Neural Plasticity</i> , 2016 , 2016, 7217630	3.3	31
87	Functional PET scanning in the preoperative assessment of cerebral arteriovenous malformations. <i>Stereotactic and Functional Neurosurgery</i> , 1995 , 65, 60-4	1.6	29
86	Mapping interhemispheric connectivity using functional MRI after transcranial magnetic stimulation on the human auditory cortex. <i>NeuroImage</i> , 2013 , 79, 162-71	7.9	28
85	Frequency Selectivity of Voxel-by-Voxel Functional Connectivity in Human Auditory Cortex. <i>Cerebral Cortex</i> , 2016 , 26, 211-24	5.1	26
84	White Matter Microstructure Reflects Individual Differences in Music Reward Sensitivity. <i>Journal of Neuroscience</i> , 2019 , 39, 5018-5027	6.6	26
83	Distinct electrophysiological indices of maintenance in auditory and visual short-term memory. <i>Neuropsychologia</i> , 2013 , 51, 2939-52	3.2	26
82	Early visual deprivation changes cortical anatomical covariance in dorsal-stream structures. <i>NeuroImage</i> , 2015 , 108, 194-202	7.9	26
81	On the Nature of Early Music Training and Absolute Pitch: A Reply to Brown, Sachs, Cammuso, and Folstein. <i>Music Perception</i> , 2003 , 21, 105-110	1.6	26
80	Monoamine activity correlates with psychometric deficits in Korsakoff's disease. <i>Behavioural Brain Research</i> , 1985 , 15, 247-54	3.4	25
79	Experience-dependent modulation of right anterior insula and sensorimotor regions as a function of noise-masked auditory feedback in singers and nonsingers. <i>NeuroImage</i> , 2017 , 147, 97-110	7.9	24
78	Intact absolute pitch ability after left temporal lobectomy. <i>Cortex</i> , 1989 , 25, 567-80	3.8	24
77	Subcortical and cortical correlates of pitch discrimination: Evidence for two levels of neuroplasticity in musicians. <i>NeuroImage</i> , 2017 , 163, 398-412	7.9	23
76	The influence of vision on sound localization abilities in both the horizontal and vertical planes. <i>Frontiers in Psychology</i> , 2013 , 4, 932	3.4	23
75	Interhemispheric Connectivity Influences the Degree of Modulation of TMS-Induced Effects during Auditory Processing. <i>Frontiers in Psychology</i> , 2011 , 2, 161	3.4	23
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