Robert J Zatorre

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/8009427/robert-j-zatorre-publications-by-year.pdf
Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	Supramodality of neural entrainment: Rhythmic visual stimulation causally enhances auditory working memory performance.. *Science Advances*, **2022**, 8, eabj9782	14.3	0
249	Early musical training shapes cortico-cerebellar structural covariation. *Brain Structure and Function*, **2021**, 1	4	0
248	Unraveling the Temporal Dynamics of Reward Signals in Music-Induced Pleasure with TMS. *Journal of Neuroscience*, **2021**, 41, 3889-3899	6.6	2
247	Mapping Specific Mental Content during Musical Imagery. *Cerebral Cortex*, **2021**, 31, 3622-3640	5.1	5
246	Oscillatory Entrainment of the Frequency-following Response in Auditory Cortical and Subcortical Structures. *Journal of Neuroscience*, **2021**, 41, 4073-4087	6.6	10
245	Common and distinct neural correlates of music and food-induced pleasure: A coordinate-based meta-analysis of neuroimaging studies. *Neuroscience and Biobehavioral Reviews*, **2021**, 123, 61-71	9	5
244	The Microstructural Plasticity of the Arcuate Fasciculus Undergirds Improved Speech in Noise Perception in Musicians. *Cerebral Cortex*, **2021**, 31, 3975-3985	5.1	3
243	Engagement in Music-Related Activities During the COVID-19 Pandemic as a Mirror of Individual Differences in Musical Reward and Coping Strategies. *Frontiers in Psychology*, **2021**, 12, 673772	3.4	6
242	Inhibitory effect of tDCS on auditory evoked response: Simultaneous MEG-tDCS reveals causal role of right auditory cortex in pitch learning. *NeuroImage*, **2021**, 233, 117915	7.9	0
241	MEG Intersubject Phase Locking of Stimulus-Driven Activity during Naturalistic Speech Listening Correlates with Musical Training. *Journal of Neuroscience*, **2021**, 41, 2713-2722	6.6	4
240	Dopamine modulations of reward-driven music memory consolidation. *Annals of the New York Academy of Sciences*, **2021**, 1502, 85-98	6.5	3
239	Effector-independent brain network for auditory-motor integration: fMRI evidence from singing and cello playing. *NeuroImage*, **2021**, 237, 118128	7.9	0
238	Modulating Cortical Instrument Representations During Auditory Stream Segregation and Integration With Polyphonic Music. *Frontiers in Neuroscience*, **2021**, 15, 635937	5.1	0
237	Distinct sensitivity to spectrotemporal modulation supports brain asymmetry for speech and melody. *Science*, **2020**, 367, 1043-1047	33.3	53
236	The Reward of Musical Emotions and Expectations **2020**, 402-415		
235	Reply to de Fleurian et al.: Toward a fuller understanding of reward prediction errors and their role in musical pleasure. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 20815-20816	11.5	0
234	Dopamine modulates the reward experiences elicited by music. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 3793-3798	11.5	88

233	Rhythm and time in the premotor cortex. *PLoS Biology*, **2019**, 17, e3000293	9.7	5
232	White Matter Microstructure Reflects Individual Differences in Music Reward Sensitivity. *Journal of Neuroscience*, **2019**, 39, 5018-5027	6.6	26
231	The Music-In-Noise Task (MINT): A Tool for Dissecting Complex Auditory Perception. *Frontiers in Neuroscience*, **2019**, 13, 199	5.1	7
230	Musical reward prediction errors engage the nucleus accumbens and motivate learning. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 3310-3315	11.5	44
229	Musicians at the Cocktail Party: Neural Substrates of Musical Training During Selective Listening in Multispeaker Situations. *Cerebral Cortex*, **2019**, 29, 3253-3265	5.1	20
228	Evolving perspectives on the sources of the frequency-following response. *Nature Communications*, **2019**, 10, 5036	17.4	60
227	Predictability and Uncertainty in the Pleasure of Music: A Reward for Learning?. *Journal of Neuroscience*, **2019**, 39, 9397-9409	6.6	58
226	Right Structural and Functional Reorganization in Four-Year-Old Children with Perinatal Arterial Ischemic Stroke Predict Language Production. *ENeuro*, **2019**, 6,	3.9	8
225	Decoding Task-Related Functional Brain Imaging Data to Identify Developmental Disorders: The Case of Congenital Amusia. *Frontiers in Neuroscience*, **2019**, 13, 1165	5.1	5
224	Specialized neural dynamics for verbal and tonal memory: fMRI evidence in congenital amusia. *Human Brain Mapping*, **2019**, 40, 855-867	5.9	19
223	The impact of visual art and emotional sounds in specific musical anhedonia. *Progress in Brain Research*, **2018**, 237, 399-413	2.9	10
222	Network-Based Asymmetry of the Human Auditory System. *Cerebral Cortex*, **2018**, 28, 2655-2664	5.1	32
221	Driving working memory with frequency-tuned noninvasive brain stimulation. *Annals of the New York Academy of Sciences*, **2018**, 1423, 126	6.5	15
220	Assessing Top-Down and Bottom-Up Contributions to Auditory Stream Segregation and Integration With Polyphonic Music. *Frontiers in Neuroscience*, **2018**, 12, 121	5.1	7
219	Partially Overlapping Brain Networks for Singing and Cello Playing. *Frontiers in Neuroscience*, **2018**, 12, 351	5.1	16
218	Insights Into Auditory Cortex Dynamics From Non-invasive Brain Stimulation. *Frontiers in Neuroscience*, **2018**, 12, 469	5.1	6
217	Neural network retuning and neural predictors of learning success associated with cello training. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E6056-E6064	11.5	22
216	Modulating musical reward sensitivity up and down with transcranial magnetic stimulation. *Nature Human Behaviour*, **2018**, 2, 27-32	12.8	60

215	Practice makes plasticity. *Nature Neuroscience*, **2018**, 21, 1645-1646	25.5	18
214	Brenda Milner and the origins of cognitive neuroscience. *Current Biology*, **2018**, 28, R638-R639	6.3	2
213	Speech-in-noise perception in musicians: A review. *Hearing Research*, **2017**, 352, 49-69	3.9	73
212	Experience-dependent modulation of right anterior insula and sensorimotor regions as a function of noise-masked auditory feedback in singers and nonsingers. *NeuroImage*, **2017**, 147, 97-110	7.9	24
211	Selective Entrainment of Theta Oscillations in the Dorsal Stream Causally Enhances Auditory Working Memory Performance. *Neuron*, **2017**, 94, 193-206.e5	13.9	91
210	Cortical Correlates of the Auditory Frequency-Following and Onset Responses: EEG and fMRI Evidence. *Journal of Neuroscience*, **2017**, 37, 830-838	6.6	67
209	Subcortical and cortical correlates of pitch discrimination: Evidence for two levels of neuroplasticity in musicians. *NeuroImage*, **2017**, 163, 398-412	7.9	23
208	Musical training sharpens and bonds ears and tongue to hear speech better. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 13579-13584	11.5	50
207	White matter structure in the right planum temporale region correlates with visual motion detection thresholds in deaf people. *Hearing Research*, **2017**, 343, 64-71	3.9	16
206	Neural Correlates of Early Sound Encoding and their Relationship to Speech-in-Noise Perception. *Frontiers in Neuroscience*, **2017**, 11, 479	5.1	39
205	Feeling the Beat: Bouncing Synchronization to Vibrotactile Music in Hearing and Early Deaf People. *Frontiers in Neuroscience*, **2017**, 11, 507	5.1	11
204	Modulation of Functional Connectivity in Auditory-Motor Networks in Musicians Compared with Nonmusicians. *Cerebral Cortex*, **2017**, 27, 2768-2778	5.1	47
203	Frequency Selectivity of Voxel-by-Voxel Functional Connectivity in Human Auditory Cortex. *Cerebral Cortex*, **2016**, 26, 211-24	5.1	26
202	Dissociation of Neural Networks for Predisposition and for Training-Related Plasticity in Auditory-Motor Learning. *Cerebral Cortex*, **2016**, 26, 3125-34	5.1	61
201	Human perception: Amazon music. *Nature*, **2016**, 535, 496-7	50.4	3
200	Neural correlates of specific musical anhedonia. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E7337-E7345	11.5	87
199	Cortical contributions to the auditory frequency-following response revealed by MEG. *Nature Communications*, **2016**, 7, 11070	17.4	210
198	The Neurobiology of Musical Expectations from Perception to Emotion **2016**,		0

197	The Right Hemisphere Planum Temporale Supports Enhanced Visual Motion Detection Ability in Deaf People: Evidence from Cortical Thickness. *Neural Plasticity*, **2016**, 2016, 7217630	3.3	31
196	Individual Differences in the Frequency-Following Response: Relation to Pitch Perception. *PLoS ONE*, **2016**, 11, e0152374	3.7	20
195	Testing the Role of Dorsal Premotor Cortex in Auditory-Motor Association Learning Using Transcranical Magnetic Stimulation (TMS). *PLoS ONE*, **2016**, 11, e0163380	3.7	10
194	Expert music performance: cognitive, neural, and developmental bases. *Progress in Brain Research*, **2015**, 217, 57-86	2.9	37
193	Musical pleasure and reward: mechanisms and dysfunction. *Annals of the New York Academy of Sciences*, **2015**, 1337, 202-11	6.5	52
192	Neurobiology: Sounding the Alarm. *Current Biology*, **2015**, 25, R805-6	6.3	10
191	Asymmetric Interhemispheric Transfer in the Auditory Network: Evidence from TMS, Resting-State fMRI, and Diffusion Imaging. *Journal of Neuroscience*, **2015**, 35, 14602-11	6.6	59
190	Predictions and the brain: how musical sounds become rewarding. *Trends in Cognitive Sciences*, **2015**, 19, 86-91	14	216
189	Polarity-specific transcranial direct current stimulation disrupts auditory pitch learning. *Frontiers in Neuroscience*, **2015**, 9, 174	5.1	17
188	Trade-off in the sound localization abilities of early blind individuals between the horizontal and vertical planes. *Journal of Neuroscience*, **2015**, 35, 6051-6	6.6	39
187	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, 1947-57	5.1	18
186	Early visual deprivation changes cortical anatomical covariance in dorsal-stream structures. *NeuroImage*, **2015**, 108, 194-202	7.9	26
185	Reorganization of auditory cortex in early-deaf people: functional connectivity and relationship to hearing aid use. *Journal of Cognitive Neuroscience*, **2015**, 27, 150-63	3.1	43
184	Dissociation between musical and monetary reward responses in specific musical anhedonia. *Current Biology*, **2014**, 24, 699-704	6.3	95
183	Automatic domain-general processing of sound source identity in the left posterior middle frontal gyrus. *Cortex*, **2014**, 58, 170-85	3.8	12
182	Editors□ntroduction to Hearing Research special issue: music: a window into the hearing brain. *Hearing Research*, **2014**, 308, 1	3.9	2
181	Brain and art. *Frontiers in Human Neuroscience*, **2014**, 8, 465	3.3	3
180	Early musical training is linked to gray matter structure in the ventral premotor cortex and auditory-motor rhythm synchronization performance. *Journal of Cognitive Neuroscience*, **2014**, 26, 755-67	3.1	70

179	Evidence for both compensatory plastic and disuse atrophy-related neuroanatomical changes in the blind. *Brain*, **2014**, 137, 1224-40	11.2	45
178	Brain activity is related to individual differences in the number of items stored in auditory short-term memory for pitch: evidence from magnetoencephalography. *NeuroImage*, **2014**, 94, 96-106	7.9	21
177	Enhancement of visual motion detection thresholds in early deaf people. *PLoS ONE*, **2014**, 9, e90498	3.7	41
176	Predispositions and plasticity in music and speech learning: neural correlates and implications. *Science*, **2013**, 342, 585-9	33.3	106
175	Mapping interhemispheric connectivity using functional MRI after transcranial magnetic stimulation on the human auditory cortex. *NeuroImage*, **2013**, 79, 162-71	7.9	28
174	From perception to pleasure: music and its neural substrates. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110 Suppl 2, 10430-7	11.5	269
173	Complex cognitive functions underlie aesthetic emotions: comment on "From everyday emotions to aesthetic emotions: towards a unified theory of musical emotions" by Patrik N. Juslin. *Physics of Life Reviews*, **2013**, 10, 279-80	2.1	3
172	Common parietal activation in musical mental transformations across pitch and time. *NeuroImage*, **2013**, 75, 27-35	7.9	47
171	Distinct electrophysiological indices of maintenance in auditory and visual short-term memory. *Neuropsychologia*, **2013**, 51, 2939-52	3.2	26
170	Repetition suppression in auditory-motor regions to pitch and temporal structure in music. *Journal of Cognitive Neuroscience*, **2013**, 25, 313-28	3.1	39
169	Early musical training and white-matter plasticity in the corpus callosum: evidence for a sensitive period. *Journal of Neuroscience*, **2013**, 33, 1282-90	6.6	235
168	Interactions between the nucleus accumbens and auditory cortices predict music reward value. *Science*, **2013**, 340, 216-9	33.3	418
167	Neural interactions that give rise to musical pleasure.. *Psychology of Aesthetics, Creativity, and the Arts*, **2013**, 7, 62-75	4.9	40
166	Structural brain changes linked to delayed first language acquisition in congenitally deaf individuals. *NeuroImage*, **2013**, 66, 42-9	7.9	61
165	Interacting cortical and basal ganglia networks underlying finding and tapping to the musical beat. *Journal of Cognitive Neuroscience*, **2013**, 25, 401-20	3.1	97
164	Abstract encoding of auditory objects in cortical activity patterns. *Cerebral Cortex*, **2013**, 23, 2025-37	5.1	58
163	Individual Differences in Music Reward Experiences. *Music Perception*, **2013**, 31, 118-138	1.6	133
162	Experience-dependent modulation of feedback integration during singing: role of the right anterior insula. *Journal of Neuroscience*, **2013**, 33, 6070-80	6.6	52

161	Familiarity mediates the relationship between emotional arousal and pleasure during music listening. *Frontiers in Human Neuroscience*, **2013**, 7, 534	3.3	68
160	The influence of vision on sound localization abilities in both the horizontal and vertical planes. *Frontiers in Psychology*, **2013**, 4, 932	3.4	23
159	Neuroanatomical correlates of musical transposition in adolescents: a longitudinal approach. *Frontiers in Systems Neuroscience*, **2013**, 7, 113	3.5	3
158	Organization and reorganization of sensory-deprived cortex. *Current Biology*, **2012**, 22, R168-73	6.3	61
157	Beyond auditory cortex: working with musical thoughts. *Annals of the New York Academy of Sciences*, **2012**, 1252, 222-8	6.5	10
156	Anatomical correlates of dynamic auditory processing: relationship to literacy during early adolescence. *NeuroImage*, **2012**, 60, 1287-95	7.9	15
155	Musical training as a framework for brain plasticity: behavior, function, and structure. *Neuron*, **2012**, 76, 486-502	13.9	454
154	Modulation of auditory cortex response to pitch variation following training with microtonal melodies. *Frontiers in Psychology*, **2012**, 3, 544	3.4	32
153	Plasticity in gray and white: neuroimaging changes in brain structure during learning. *Nature Neuroscience*, **2012**, 15, 528-36	25.5	1047
152	Reminiscences of the First Olfactory Neuroimaging Study on the 20th Anniversary of its Publication. *Chemosensory Perception*, **2012**, 5, 2-3	1.2	
151	Musical melody and speech intonation: singing a different tune. *PLoS Biology*, **2012**, 10, e1001372	9.7	114
150	Neuronal correlates of perception, imagery, and memory for familiar tunes. *Journal of Cognitive Neuroscience*, **2012**, 24, 1382-97	3.1	114
149	Mapping the after-effects of theta burst stimulation on the human auditory cortex with functional imaging. *Journal of Visualized Experiments*, **2012**, e3985	1.6	9
148	Cortical Processing of Music. *Springer Handbook of Auditory Research*, **2012**, 261-294	1.2	12
147	Relevance of spectral cues for auditory spatial processing in the occipital cortex of the blind. *Frontiers in Psychology*, **2011**, 2, 48	3.4	39
146	Interhemispheric Connectivity Influences the Degree of Modulation of TMS-Induced Effects during Auditory Processing. *Frontiers in Psychology*, **2011**, 2, 161	3.4	23
145	Anatomically distinct dopamine release during anticipation and experience of peak emotion to music. *Nature Neuroscience*, **2011**, 14, 257-62	25.5	858
144	A role for the right superior temporal sulcus in categorical perception of musical chords. *Neuropsychologia*, **2011**, 49, 878-887	3.2	41

143	Functional MRI evidence of an abnormal neural network for pitch processing in congenital amusia. *Cerebral Cortex*, **2011**, 21, 292-9	5.1	160
142	Tactile-auditory shape learning engages the lateral occipital complex. *Journal of Neuroscience*, **2011**, 31, 7848-56	6.6	42
141	Feel what you say: an auditory effect on somatosensory perception. *PLoS ONE*, **2011**, 6, e22829	3.7	8
140	Anatomically distinct dopamine release during anticipation and experience of peak emotion to music. *Nature Neuroscience*, **2011**, 14, 257-262	25.5	566
139	Cortical Speech and Music Processes Revealed by Functional Neuroimaging **2011**, 657-677		9
138	Semantic elaboration in auditory and visual spatial memory. *Frontiers in Psychology*, **2010**, 1, 228	3.4	7
137	A role for the intraparietal sulcus in transforming musical pitch information. *Cerebral Cortex*, **2010**, 20, 1350-9	5.1	121
136	An acoustical study of vocal pitch matching in congenital amusia. *Journal of the Acoustical Society of America*, **2010**, 127, 504-12	2.2	41
135	Mental reversal of imagined melodies: a role for the posterior parietal cortex. *Journal of Cognitive Neuroscience*, **2010**, 22, 775-89	3.1	95
134	Cortical structure predicts success in performing musical transformation judgments. *NeuroImage*, **2010**, 53, 26-36	7.9	108
133	Neuroanatomical correlates of olfactory performance. *Experimental Brain Research*, **2010**, 201, 1-11	2.3	77
132	Can you hear shapes you touch?. *Experimental Brain Research*, **2010**, 202, 747-54	2.3	14
131	Crossmodal recruitment of primary visual cortex following brief exposure to bimodal audiovisual stimuli. *Neuropsychologia*, **2010**, 48, 591-600	3.2	44
130	Neural networks involved in voluntary and involuntary vocal pitch regulation in experienced singers. *Neuropsychologia*, **2010**, 48, 607-18	3.2	82
129	Vocal accuracy and neural plasticity following micromelody-discrimination training. *PLoS ONE*, **2010**, 5, e11181	3.7	17
128	Heterochrony and cross-species intersensory matching by infant vervet monkeys. *PLoS ONE*, **2009**, 4, e4302	3.7	32
127	The rewarding aspects of music listening are related to degree of emotional arousal. *PLoS ONE*, **2009**, 4, e7487	3.7	309
126	Neuroanatomical correlates of musicianship as revealed by cortical thickness and voxel-based morphometry. *Cerebral Cortex*, **2009**, 19, 1583-96	5.1	270

125	Relating structure to function: Heschl's gyrus and acoustic processing. *Journal of Neuroscience*, **2009**, 29, 61-9	6.6	141
124	Voice perception in blind persons: a functional magnetic resonance imaging study. *Neuropsychologia*, **2009**, 47, 2967-74	3.2	75
123	Individual differences in the acquisition of second language phonology. *Brain and Language*, **2009**, 109, 55-67	2.9	80
122	The neuronal substrates of human olfactory based kin recognition. *Human Brain Mapping*, **2009**, 30, 2571-80	5.9	68
121	The absolute pitch mind continues to reveal itself. *Journal of Biology*, **2009**, 8, 75		17
120	The role of auditory and premotor cortex in sensorimotor transformations. *Annals of the New York Academy of Sciences*, **2009**, 1169, 15-34	6.5	89
119	Music lexical networks: the cortical organization of music recognition. *Annals of the New York Academy of Sciences*, **2009**, 1169, 256-65	6.5	70
118	Load-dependent brain activity related to acoustic short-term memory for pitch: magnetoencephalography and fMRI. *Annals of the New York Academy of Sciences*, **2009**, 1169, 273-7	6.5	15
117	Spectro-temporal modulation transfer function of single voxels in the human auditory cortex measured with high-resolution fMRI. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 14611-6	11.5	141
116	A Distribution of Absolute Pitch Ability as Revealed by Computerized Testing. *Music Perception*, **2009**, 27, 89-101	1.6	46
115	Positional and surface area asymmetry of the human cerebral cortex. *NeuroImage*, **2009**, 46, 895-903	7.9	106
114	Generalized learning of visual-to-auditory substitution in sighted individuals. *Brain Research*, **2008**, 1242, 263-75	3.7	48
113	Evidence for the role of the right auditory cortex in fine pitch resolution. *Neuropsychologia*, **2008**, 46, 632-9	3.2	175
112	Musically Speaking. *Neuron*, **2008**, 60, 532-533	13.9	2
111	Differential occipital responses in early- and late-blind individuals during a sound-source discrimination task. *NeuroImage*, **2008**, 40, 746-758	7.9	107
110	Experience-dependent neural substrates involved in vocal pitch regulation during singing. *NeuroImage*, **2008**, 40, 1871-87	7.9	167
109	Listening to musical rhythms recruits motor regions of the brain. *Cerebral Cortex*, **2008**, 18, 2844-54	5.1	475
108	Moving on time: brain network for auditory-motor synchronization is modulated by rhythm complexity and musical training. *Journal of Cognitive Neuroscience*, **2008**, 20, 226-39	3.1	312

107	Neural specializations for speech and pitch: moving beyond the dichotomies. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2008**, 363, 1087-104	5.8	266
106	Volume of left Heschl's Gyrus and linguistic pitch learning. *Cerebral Cortex*, **2008**, 18, 828-36	5.1	153
105	Depth electrode recordings show double dissociation between pitch processing in lateral Heschl's gyrus and sound onset processing in medial Heschl's gyrus. *Experimental Brain Research*, **2008**, 187, 97-105	2.3	71
104	When the brain plays music: auditory-motor interactions in music perception and production. *Nature Reviews Neuroscience*, **2007**, 8, 547-58	13.5	938
103	Cortical thickness in congenital amusia: when less is better than more. *Journal of Neuroscience*, **2007**, 27, 13028-32	6.6	221
102	The role of the dorsolateral prefrontal cortex in bimodal divided attention: two transcranial magnetic stimulation studies. *Journal of Cognitive Neuroscience*, **2007**, 19, 907-20	3.1	66
101	There's more to auditory cortex than meets the ear. *Hearing Research*, **2007**, 229, 24-30	3.9	32
100	Word and nonword repetition in bilingual subjects: a PET study. *Human Brain Mapping*, **2006**, 27, 153-61	5.9	65
99	Morphometry of the amusic brain: a two-site study. *Brain*, **2006**, 129, 2562-70	11.2	185
98	Asymmetries of the planum temporale and Heschl's gyrus: relationship to language lateralization. *Brain*, **2006**, 129, 1164-76	11.2	181
97	Bilingual brain organization: a functional magnetic resonance adaptation study. *NeuroImage*, **2006**, 31, 366-75	7.9	85
96	Neural substrates for dividing and focusing attention between simultaneous auditory and visual events. *NeuroImage*, **2006**, 31, 1673-81	7.9	188
95	Interactions between auditory and dorsal premotor cortex during synchronization to musical rhythms. *NeuroImage*, **2006**, 32, 1771-81	7.9	206
94	A positron emission tomography study during auditory localization by late-onset blind individuals. *NeuroReport*, **2006**, 17, 383-8	1.7	46
93	Mental concerts: musical imagery and auditory cortex. *Neuron*, **2005**, 47, 9-12	13.9	232
92	Brain organization for music processing. *Annual Review of Psychology*, **2005**, 56, 89-114	26.1	443
91	Tapping in synchrony to auditory rhythms: effect of temporal structure on behavior and neural activity. *Annals of the New York Academy of Sciences*, **2005**, 1060, 400-3	6.5	7
90	Differences in gray matter between musicians and nonmusicians. *Annals of the New York Academy of Sciences*, **2005**, 1060, 395-9	6.5	64

89	Neural substrates governing audiovocal integration for vocal pitch regulation in singing. *Annals of the New York Academy of Sciences*, **2005**, 1060, 404-8	6.5	35
88	Music, the food of neuroscience?. *Nature*, **2005**, 434, 312-5	50.4	194
87	Attention to simultaneous unrelated auditory and visual events: behavioral and neural correlates. *Cerebral Cortex*, **2005**, 15, 1609-20	5.1	183
86	A functional neuroimaging study of sound localization: visual cortex activity predicts performance in early-blind individuals. *PLoS Biology*, **2005**, 3, e27	9.7	270
85	Conditional associative memory for musical stimuli in nonmusicians: implications for absolute pitch. *Journal of Neuroscience*, **2005**, 25, 7718-23	6.6	44
84	Auditory Cortex Processing Streams: Where Are They and What Do They Do? **2005**, 277-290		2
83	Sensitivity to auditory object features in human temporal neocortex. *Journal of Neuroscience*, **2004**, 24, 3637-42	6.6	163
82	Right temporal cortex is critical for utilization of melodic contextual cues in a pitch constancy task. *Brain*, **2004**, 127, 1616-25	11.2	50
81	Neuropsychology: pitch discrimination in the early blind. *Nature*, **2004**, 430, 309	50.4	267
80	Behavioral and neural correlates of perceived and imagined musical timbre. *Neuropsychologia*, **2004** , 42, 1281-92	3.2	189
79	Learning new sounds of speech: reallocation of neural substrates. *NeuroImage*, **2004**, 21, 494-506	7.9	188
78	Adaptation to speaker's voice in right anterior temporal lobe. *NeuroReport*, **2003**, 14, 2105-9	1.7	284
77	On the Nature of Early Music Training and Absolute Pitch: A Reply to Brown, Sachs, Cammuso, and Folstein. *Music Perception*, **2003**, 21, 105-110	1.6	26
76	Music and the brain. *Annals of the New York Academy of Sciences*, **2003**, 999, 4-14	6.5	50
75	Recognition of interleaved melodies. An fMRI study. *Annals of the New York Academy of Sciences*, **2003**, 999, 152-4	6.5	11
74	Absolute pitch: a model for understanding the influence of genes and development on neural and cognitive function. *Nature Neuroscience*, **2003**, 6, 692-5	25.5	162
73	The morphometry of auditory cortex in the congenitally deaf measured using MRI. *NeuroImage*, **2003**, 20, 1215-25	7.9	116
72	Human temporal-lobe response to vocal sounds. *Cognitive Brain Research*, **2002**, 13, 17-26		319

71	Where is 'where' in the human auditory cortex?. *Nature Neuroscience*, **2002**, 5, 905-9	25.5	276
70	Influence of tonal context and timbral variation on perception of pitch. *Perception & Psychophysics*, **2002**, 64, 198-207		72
69	Neuroscience. Mental models and musical minds. *Science*, **2002**, 298, 2138-9	33.3	21
68	Deficits of musical timbre perception after unilateral temporal-lobe lesion revealed with multidimensional scaling. *Brain*, **2002**, 125, 511-23	11.2	43
67	Olfactory learning: convergent findings from lesion and brain imaging studies in humans. *Brain*, **2002**, 125, 86-101	11.2	98
66	Congenital amusia: a disorder of fine-grained pitch discrimination. *Neuron*, **2002**, 33, 185-91	13.9	257
65	Anatomical correlates of learning novel speech sounds. *Neuron*, **2002**, 35, 997-1010	13.9	211
64	Structure and function of auditory cortex: music and speech. *Trends in Cognitive Sciences*, **2002**, 6, 37-46	14	1145
63	Neural specializations for tonal processing. *Annals of the New York Academy of Sciences*, **2001**, 930, 193-216	6.9	133
62	A cross-linguistic PET study of tone perception in Mandarin Chinese and English speakers. *NeuroImage*, **2001**, 13, 646-53	7.9	171
61	Working memory in another dimension: functional imaging of human olfactory working memory. *NeuroImage*, **2001**, 14, 650-60	7.9	84
60	Do you see what I'm saying? Interactions between auditory and visual cortices in cochlear implant users. *Neuron*, **2001**, 31, 13-4	13.9	15
59	Spectral and temporal processing in human auditory cortex. *Cerebral Cortex*, **2001**, 11, 946-53	5.1	854
58	Spatial localization after excision of human auditory cortex. *Journal of Neuroscience*, **2001**, 21, 6321-8	6.6	150
57	Neural mechanisms involved in odor pleasantness and intensity judgments. *NeuroReport*, **2000**, 11, 2711-6	1.7	131
56	'What', 'where' and 'how' in auditory cortex. *Nature Neuroscience*, **2000**, 3, 965-6	25.5	231
55	Voice-selective areas in human auditory cortex. *Nature*, **2000**, 403, 309-12	50.4	1351
54	Functional and Structural Imaging of the Human Auditory System **2000**, 365-402		19

53	Functional specificity in the right human auditory cortex for perceiving pitch direction. *Brain*, **2000**, 123 (Pt 1), 155-63	11.2	293
52	Brain Imaging Studies of Musical Perception and Musical Imagery. *Journal of New Music Research*, **1999**, 28, 229-236	1.1	7
51	Emotional responses to pleasant and unpleasant music correlate with activity in paralimbic brain regions. *Nature Neuroscience*, **1999**, 2, 382-7	25.5	764
50	When that tune runs through your head: a PET investigation of auditory imagery for familiar melodies. *Cerebral Cortex*, **1999**, 9, 697-704	5.1	344
49	Event-related fMRI of the auditory cortex. *NeuroImage*, **1999**, 10, 417-29	7.9	245
48	Auditory attention to space and frequency activates similar cerebral systems. *NeuroImage*, **1999**, 10, 544-54	7.9	190
47	Cerebral organization in bilinguals: a PET study of Chinese-English verb generation. *NeuroReport*, **1999**, 10, 2841-6	1.7	169
46	Human cortical gustatory areas: a review of functional neuroimaging data. *NeuroReport*, **1999**, 10, 7-14	1.7	367
45	Localization of cerebral activity during simple singing. *NeuroReport*, **1999**, 10, 3979-84	1.7	132
44	Children who can't smell the coffee: isolated congenital anosmia. *Journal of Child Neurology*, **1998**, 13, 168-72	2.5	14
43	Constraints on the selection of auditory information.. *Journal of Experimental Psychology: Human Perception and Performance*, **1998**, 24, 66-79	2.6	76
42	Time-related changes in neural systems underlying attention and arousal during the performance of an auditory vigilance task. *Journal of Cognitive Neuroscience*, **1997**, 9, 392-408	3.1	412
41	Obligatory role of the LIFG in synonym generation: evidence from PET and cortical stimulation. *NeuroReport*, **1997**, 8, 3275-9	1.7	31
40	Flavor processing: more than the sum of its parts. *NeuroReport*, **1997**, 8, 3913-7	1.7	227
39	Left-hemisphere specialization for the processing of acoustic transients. *NeuroReport*, **1997**, 8, 1761-5	1.7	98
38	A role for the right anterior temporal lobe in taste quality recognition. *Journal of Neuroscience*, **1997**, 17, 5136-42	6.6	123
37	Hearing in the Mind's Ear: A PET Investigation of Musical Imagery and Perception. *Journal of Cognitive Neuroscience*, **1996**, 8, 29-46	3.1	364
36	Modulation of cerebral blood flow in the human auditory cortex during speech: role of motor-to-sensory discharges. *European Journal of Neuroscience*, **1996**, 8, 2236-46	3.5	240

35	Functional PET scanning in the preoperative assessment of cerebral arteriovenous malformations. *Stereotactic and Functional Neurosurgery*, **1995**, 65, 60-4	1.6	29
34	Preserved auditory spatial localization following cerebral hemispherectomy. *Brain*, **1995**, 118 (Pt 4), 879-89	11.2	37
33	Temporal lobe epilepsy caused by domoic acid intoxication: evidence for glutamate receptor-mediated excitotoxicity in humans. *Annals of Neurology*, **1995**, 37, 123-6	9.4	196
32	Contribution of the right temporal lobe to musical timbre discrimination. *Neuropsychologia*, **1994**, 32, 231-40	3.2	107
31	Music, Language, Speech, and Brain.. *Language and Speech*, **1994**, 37, 61-66	1.5	
30	Effect of unilateral temporal-lobe excision on perception and imagery of songs. *Neuropsychologia*, **1993**, 31, 221-32	3.2	119
29	Language localization with activation positron emission tomography scanning. *Neurosurgery*, **1992**, 31, 369-73	3.2	62
28	Functional localization and lateralization of human olfactory cortex. *Nature*, **1992**, 360, 339-40	50.4	547
27	Learning and retention of melodic and verbal information after unilateral temporal lobectomy. *Neuropsychologia*, **1992**, 30, 815-26	3.2	63
26	HUMAN OLFACTORY DISCRIMINATION AFTER UNILATERAL FRONTAL OR TEMPORAL LOBECTOMY. *Brain*, **1991**,	11.2	1
25	Role of the right temporal neocortex in retention of pitch in auditory short-term memory. *Brain*, **1991**, 114 (Pt 6), 2403-17	11.2	218
24	Right-nostril advantage for discrimination of odors. *Perception & Psychophysics*, **1990**, 47, 526-31		108
23	Neurologic sequelae of domoic acid intoxication due to the ingestion of contaminated mussels. *New England Journal of Medicine*, **1990**, 322, 1781-7	59.2	474
22	Perceptual asymmetry on the dichotic fused words test and cerebral speech lateralization determined by the carotid sodium amytal test. *Neuropsychologia*, **1989**, 27, 1207-19	3.2	163
21	Multiple coding strategies in the retention of musical tones by possessors of absolute pitch. *Memory and Cognition*, **1989**, 17, 582-9	2.2	73
20	Intact absolute pitch ability after left temporal lobectomy. *Cortex*, **1989**, 25, 567-80	3.8	24
19	On the representation of multiple languages in the brain: old problems and new directions. *Brain and Language*, **1989**, 36, 127-47	2.9	50
18	Effects of temporal neocortical excisions on musical processing. *Contemporary Music Review*, **1989**, 4, 265-277	0.2	1

17	Olfactory identification deficits in patients with focal cerebral excision. *Neuropsychologia*, **1988**, 26, 387-400	3.2	261
16	Impaired stereoscopic detection thresholds after left or right temporal lobectomy. *Neuropsychologia*, **1988**, 26, 547-54	3.2	22
15	Melodic and harmonic discrimination following unilateral cerebral excision. *Brain and Cognition*, **1988**, 7, 348-60	2.7	84
14	Pitch perception of complex tones and human temporal-lobe function. *Journal of the Acoustical Society of America*, **1988**, 84, 566-72	2.2	252
13	Discrimination and recognition of tonal melodies after unilateral cerebral excisions. *Neuropsychologia*, **1985**, 23, 31-41	3.2	152
12	Monoamine activity correlates with psychometric deficits in Korsakoff's disease. *Behavioural Brain Research*, **1985**, 15, 247-54	3.4	25
11	Musical Perception and Cerebral Function: A Critical Review. *Music Perception*, **1984**, 2, 196-221	1.6	54
10	Semantic encoding deficits in a case of traumatic amnesia. *Brain and Cognition*, **1983**, 2, 331-45	2.7	16
9	Category-boundary effects and speeded sorting with a harmonic musical-interval continuum: Evidence for dual processing.. *Journal of Experimental Psychology: Human Perception and Performance*, **1983**, 9, 739-752	2.6	19
8	Cerebral lateralization in bilinguals: methodological issues. *Brain and Language*, **1982**, 15, 40-54	2.9	51
7	A right-ear advantage for dichotic listening in bilingual children. *Brain and Language*, **1981**, 13, 389-96	2.9	35
6	Measuring phoneme boundaries four ways. *Journal of the Acoustical Society of America*, **1980**, 68, 431-439	2.2	11
5	Identification, discrimination, and selective adaptation of simultaneous musical intervals. *Perception & Psychophysics*, **1979**, 26, 384-95		64
4	Recognition of dichotic melodies by musicians and nonmusicians. *Neuropsychologia*, **1979**, 17, 607-17	3.2	108
3	Studies of place and manner of articulation in syllable-final position. *Journal of the Acoustical Society of America*, **1979**, 66, 1207-1210	2.2	3
2	Laterality differences for word identification in bilinguals. *Brain and Language*, **1978**, 6, 158-67	2.9	36
1	Dopaminergic signalling modulates reward-driven music memory consolidation		1