Timothy D Griffiths

List of Publications by Year
in descending order

170 papers	12,029 citations	24978 57 h-index	32761 100 g-index
198 all docs	198 docs citations	198 times ranked	9274 citing authors

#	Article	IF	Citations
1	MEG correlates of temporal regularity relevant to pitch perception in human auditory cortex. NeuroImage, 2022, 249, 118879.	2.1	3
2	EEG Responses to auditory figure-ground perception. Hearing Research, 2022, 422, 108524.	0.9	3
3	Left Frontal White Matter Links to Rhythm Processing Relevant to Speech Production in Apraxia of Speech. Neurobiology of Language (Cambridge, Mass), 2022, 3, 515-537.	1.7	2
4	Pitch discrimination is better for synthetic timbre than natural musical instrument timbres despite familiarity. Journal of the Acoustical Society of America, 2022, 152, 31-42.	0.5	2
5	Simultaneous auditory agnosia: Systematic description of a new type of auditory segregation deficit following a right hemisphere lesion. Cortex, 2021, 135, 92-107.	1.1	1
6	Oscillatory correlates of auditory working memory examined with human electrocorticography. Neuropsychologia, 2021, 150, 107691.	0.7	21
7	Common fronto-temporal effective connectivity in humans and monkeys. Neuron, 2021, 109, 852-868.e8.	3.8	28
8	Difficulties with Speech-in-Noise Perception Related to Fundamental Grouping Processes in Auditory Cortex. Cerebral Cortex, 2021, 31, 1582-1596.	1.6	21
9	Auditory beat perception is related to speech output fluency in post-stroke aphasia. Scientific Reports, 2021, 11, 3168.	1.6	6
10	Pre- and post-target cortical processes predict speech-in-noise performance. NeuroImage, 2021, 228, 117699.	2.1	18
11	MRI monitoring of macaque monkeys in neuroscience: Case studies, resource and normative data comparisons. NeuroImage, 2021, 230, 117778.	2.1	4
12	Gene Expression Imputation Across Multiple Tissue Types Provides Insight Into the Genetic Architecture of Frontotemporal Dementia and Its Clinical Subtypes. Biological Psychiatry, 2021, 89, 825-835.	0.7	10
13	The Motor Basis for Misophonia. Journal of Neuroscience, 2021, 41, 5762-5770.	1.7	34
14	Neuronal figure-ground responses in primate primary auditory cortex. Cell Reports, 2021, 35, 109242.	2.9	8
15	Dynamics underlying auditoryâ€objectâ€boundary detection in primary auditory cortex. European Journal of Neuroscience, 2021, 54, 7274-7288.	1.2	3
16	OUP accepted manuscript. Cerebral Cortex, 2021, , .	1.6	1
17	How Can Hearing Loss Cause Dementia?. Neuron, 2020, 108, 401-412.	3.8	169
18	Mendelian randomization implies no direct causal association between leukocyte telomere length and amyotrophic lateral sclerosis. Scientific Reports, 2020, 10, 12184.	1.6	4

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19	Clinical Reasoning: A 72-year-old man with a progressive cognitive and cerebellar syndrome. Neurology, 2020, 95, e2707-e2710.	1.5	0
20	Speech-in-noise detection is related to auditory working memory precision for frequency. Scientific Reports, 2020, 10, 13997.	1.6	23
21	Left frontal white matter atrophy links to timing mechanisms relevant for apraxia of speech. Alzheimer's and Dementia, 2020, 16, e044713.	0.4	1
22	Multivoxel codes for representing and integrating acoustic features in human cortex. NeuroImage, 2020, 217, 116661.	2.1	12
23	Accelerating the Evolution of Nonhuman Primate Neuroimaging. Neuron, 2020, 105, 600-603.	3.8	92
24	Primate auditory prototype in the evolution of the arcuate fasciculus. Nature Neuroscience, 2020, 23, 611-614.	7.1	53
25	Shaping new sounds. ELife, 2020, 9, .	2.8	0
26	Direct electrophysiological mapping of human pitch-related processing in auditory cortex. NeuroImage, 2019, 202, 116076.	2.1	19
27	The distribution and nature of responses to broadband sounds associated with pitch in the macaque auditory cortex. Cortex, 2019, 120, 340-352.	1.1	8
28	Auditory, Phonological, and Semantic Factors in the Recovery From Wernickeâ€™s Aphasia Poststroke: Predictive Value and Implications for Rehabilitation. Neurorehabilitation and Neural Repair, 2019, 33, 800-812.	1.4	14
29	Limbic-predominant age-related TDP-43 encephalopathy (LATE). Brain, 2019, 142, e42-e42.	3.7	7
30	Characterizing memory loss in patients with autoimmune limbic encephalitis hippocampal lesions. Hippocampus, 2019, 29, 1114-1120.	0.9	10
31	Niemann-Pick type C: contemporary diagnosis and treatment of a classical disorder. Practical Neurology, 2019, 19, 420-423.	0.5	5
32	â€˜Normalâ€™ hearing thresholds and fundamental auditory grouping processes predict difficulties with speech-in-noise perception. Scientific Reports, 2019, 9, 16771.	1.6	53
33	Exposing Pathological Sensory Predictions in Tinnitus Using Auditory Intensity Deviant Evoked Responses. Journal of Neuroscience, 2019, 39, 10096-10103.	1.7	25
34	Autistic Traits and Enhanced Perceptual Representation of Pitch and Time. Journal of Autism and Developmental Disorders, 2018, 48, 1350-1358.	1.7	26
35	Neural phase locking predicts BOLD response in human auditory cortex. NeuroImage, 2018, 169, 286-301.	2.1	14
36	Auditory figure-ground analysis in rostral belt and parabelt of the macaque monkey. Scientific Reports, 2018, 8, 17948.	1.6	16

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37	A C6orf10/LOC101929163 locus is associated with age of onset in C9orf72 carriers. Brain, 2018, 141, 2895-2907.	3.7	39
38	An Open Resource for Non-human Primate Imaging. Neuron, 2018, 100, 61-74.e2.	3.8	190
39	Evolutionarily conserved neural signatures involved in sequencing predictions and their relevance for language. Current Opinion in Behavioral Sciences, 2018, 21, 145-153.	2.0	16
40	The Brain Basis for Misophonia. Current Biology, 2017, 27, 527-533.	1.8	148
41	Driving Working Memory. Neuron, 2017, 94, 5-6.	3.8	1
42	Mapping effective connectivity in the human brain with concurrent intracranial electrical stimulation and BOLD-fMRI. Journal of Neuroscience Methods, 2017, 277, 101-112.	1.3	39
43	Artificial grammar learning in vascular and progressive non-fluent aphasias. Neuropsychologia, 2017, 104, 201-213.	0.7	27
44	Response: Commentary: The Brain Basis for Misophonia. Frontiers in Behavioral Neuroscience, 2017, 11, 127.	1.0	8
45	Sequence learning modulates neural responses and oscillatory coupling in human and monkey auditory cortex. PLoS Biology, 2017, 15, e2000219.	2.6	56
46	Auditory motion-specific mechanisms in the primate brain. PLoS Biology, 2017, 15, e2001379.	2.6	31
47	Brain Bases of Working Memory for Time Intervals in Rhythmic Sequences. Frontiers in Neuroscience, 2016, 10, 239.	1.4	31
48	Individually customisable non-invasive head immobilisation system for non-human primates with an option for voluntary engagement. Journal of Neuroscience Methods, 2016, 269, 46-60.	1.3	30
49	Core auditory processing deficits in primary progressive aphasia. Brain, 2016, 139, 1817-1829.	3.7	60
50	A Brain System for Auditory Working Memory. Journal of Neuroscience, 2016, 36, 4492-4505.	1.7	154
51	Hearing and dementia. Journal of Neurology, 2016, 263, 2339-2354.	1.8	115
52	An Integrative Tinnitus Model Based on Sensory Precision. Trends in Neurosciences, 2016, 39, 799-812.	4.2	145
53	Neural Correlates of Auditory Figure-Ground Segregation Based on Temporal Coherence. Cerebral Cortex, 2016, 26, 3669-3680.	1.6	74
54	Brain responses in humans reveal ideal observer-like sensitivity to complex acoustic patterns. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E616-25.	3.3	229

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55	Resource allocation models of auditory working memory. Brain Research, 2016, 1640, 183-192.	1.1	21
56	Large-Scale Analysis of Auditory Segregation Behavior Crowdsourced via a Smartphone App. PLoS ONE, 2016, 11, e0153916.	1.1	22
57	Neural signatures of perceptual inference. ELife, 2016, 5, e11476.	2.8	138
58	Accumulation of dipeptide repeat proteins predates that of <scp>TDP</scp>â€43 in frontotemporal lobar degeneration associated with hexanucleotide repeat expansions in <scp><i>C9ORF72</i></scp> gene. Neuropathology and Applied Neurobiology, 2015, 41, 601-612.	1.8	62
59	Auditory working memory for objects vs. features. Frontiers in Neuroscience, 2015, 9, 13.	1.4	19
60	Detection of the arcuate fasciculus in congenital amusia depends on the tractography algorithm. Frontiers in Psychology, 2015, 6, 9.	1.1	45
61	The functional anatomy of central auditory processing. Practical Neurology, 2015, 15, 302-308.	0.5	18
62	Human Auditory Cortex Neurochemistry Reflects the Presence and Severity of Tinnitus. Journal of Neuroscience, 2015, 35, 14822-14828.	1.7	41
63	Inattentional Deafness: Visual Load Leads to Time-Specific Suppression of Auditory Evoked Responses. Journal of Neuroscience, 2015, 35, 16046-16054.	1.7	109
64	Sensitivity to the temporal structure of rapid sound sequences â€" An MEG study. NeuroImage, 2015, 110, 194-204.	2.1	38
65	Direct Physiologic Evidence of a Heteromodal Convergence Region for Proper Naming in Human Left Anterior Temporal Lobe. Journal of Neuroscience, 2015, 35, 1513-1520.	1.7	69
66	Intracranial Mapping of a Cortical Tinnitus System using Residual Inhibition. Current Biology, 2015, 25, 1208-1214.	1.8	83
67	Auditory sequence processing reveals evolutionarily conserved regions of frontal cortex in macaques and humans. Nature Communications, 2015, 6, 8901.	5.8	99
68	Structure predicts function: Combining non-invasive electrophysiology with in-vivo histology. NeuroImage, 2015, 108, 377-385.	2.1	23
69	The topography of frequency and time representation in primate auditory cortices. ELife, 2015, 4, .	2.8	38
70	A perceptual pitch boundary in a non-human primate. Frontiers in Psychology, 2014, 5, 998.	1.1	8
71	Working memory for time intervals in auditory rhythmic sequences. Frontiers in Psychology, 2014, 5, 1329.	1.1	31
72	Merging functional and structural properties of the monkey auditory cortex. Frontiers in Neuroscience, 2014, 8, 198.	1.4	17

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73	â€œChange Deafnessâ€•Arising from Inter-feature Masking within a Single Auditory Object. Journal of Cognitive Neuroscience, 2014, 26, 514-528.	1.1	9
74	Mapping the temporal pole with a specialized electrode array: technique and preliminary results. Physiological Measurement, 2014, 35, 323-337.	1.2	18
75	Representations of specific acoustic patterns in the auditory cortex and hippocampus. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141000.	1.2	35
76	The basal ganglia in perceptual timing: Timing performance in Multiple System Atrophy and Huntington's disease. Neuropsychologia, 2014, 52, 73-81.	0.7	74
77	Properties of the Internal Clock: First- and Second-Order Principles of Subjective Time. Annual Review of Psychology, 2014, 65, 743-771.	9.9	309
78	Frontotemporal dementia and its subtypes: a genome-wide association study. Lancet Neurology, The, 2014, 13, 686-699.	4.9	302
79	Neural Basis of Working Memory for Time Intervals. Procedia, Social and Behavioral Sciences, 2014, 126, 269-270.	0.5	1
80	Subthalamic deep brain stimulation in Parkinson×³s disease has no significant effect on perceptual timing in the hundreds of milliseconds range. Neuropsychologia, 2014, 57, 29-37.	0.7	10
81	A brain basis for musical hallucinations. Cortex, 2014, 52, 86-97.	1.1	62
82	Exploring the role of auditory analysis in atypical compared to typical language development. Hearing Research, 2014, 308, 129-140.	0.9	15
83	A Dynamic System for the Analysis of Acoustic Features and Valence of Aversive Sounds in the Human Brain. Advances in Experimental Medicine and Biology, 2013, 787, 463-472.	0.8	1
84	Primary sleep disorders can cause long-term sleep disturbance in patients with autoimmune mediated limbic encephalitis. Clinical Neurology and Neurosurgery, 2013, 115, 1079-1082.	0.6	9
85	Fundamental deficits of auditory perception in Wernicke's aphasia. Cortex, 2013, 49, 1808-1822.	1.1	49
86	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
87	Auditory temporal-regularity processing correlates with language and literacy skill in early adulthood. Cognitive Neuroscience, 2013, 4, 225-230.	0.6	29
88	Resource allocation and prioritization in auditory working memory. Cognitive Neuroscience, 2013, 4, 12-20.	0.6	43
89	A unified framework for the organization of the primate auditory cortex. Frontiers in Systems Neuroscience, 2013, 7, 11.	1.2	72
90	Segregation of complex acoustic scenes based on temporal coherence. ELife, 2013, 2, e00699.	2.8	65

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91	Temporal predictions based on a gradual change in tempo. Journal of the Acoustical Society of America, 2012, 131, 4013-4022.	0.5	15
92	Auditory sequence analysis and phonological skill. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4496-4504.	1.2	39
93	Features versus Feelings: Dissociable Representations of the Acoustic Features and Valence of Aversive Sounds. Journal of Neuroscience, 2012, 32, 14184-14192.	1.7	121
94	Cortical Mechanisms for Pitch Representation. Journal of Neuroscience, 2012, 32, 13333-13334.	1.7	5
95	Mapping Pitch Representation in Neural Ensembles with fMRI. Journal of Neuroscience, 2012, 32, 13343-13347.	1.7	60
96	Grapheme-color and tone-color synesthesia is associated with structural brain changes in visual regions implicated in color, form, and motion. Cognitive Neuroscience, 2012, 3, 29-35.	0.6	39
97	Single-subject oscillatory gamma responses in tinnitus. Brain, 2012, 135, 3089-3100.	3.7	84
98	Navigating the Auditory Scene: An Expert Role for the Hippocampus. Journal of Neuroscience, 2012, 32, 12251-12257.	1.7	42
99	Gamma band pitch responses in human auditory cortex measured with magnetoencephalography. NeuroImage, 2012, 59, 1904-1911.	2.1	32
100	Cortical responses to changes in acoustic regularity are differentially modulated by attentional load. NeuroImage, 2012, 59, 1932-1941.	2.1	25
101	Disorders of Musical Cognition. , 2012, , .		4
102	Distinct critical cerebellar subregions for components of verbal working memory. Neuropsychologia, 2012, 50, 189-197.	0.7	55
103	Auditory Object Analysis. Springer Handbook of Auditory Research, 2012, , 199-223.	0.3	5
104	Neural prediction of higher-order auditory sequence statistics. NeuroImage, 2011, 54, 2267-2277.	2.1	59
105	Distinct Neural Substrates of Duration-Based and Beat-Based Auditory Timing. Journal of Neuroscience, 2011, 31, 3805-3812.	1.7	351
106	Orthogonal representation of sound dimensions in the primate midbrain. Nature Neuroscience, 2011, 14, 423-425.	7.1	128
107	Pathological correlates of frontotemporal lobar degeneration in the elderly. Acta Neuropathologica, 2011, 121, 365-371.	3.9	70
108	The most common type of FTLD-FUS (aFTLD-U) is associated with a distinct clinical form of frontotemporal dementia but is not related to mutations in the FUS gene. Acta Neuropathologica, 2011, 122, 99-110.	3.9	108

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109	Predictive Coding and Pitch Processing in the Auditory Cortex. Journal of Cognitive Neuroscience, 2011, 23, 3084-3094.	1.1	61
110	Brain Bases for Auditory Stimulus-Driven Figureâ€"Ground Segregation. Journal of Neuroscience, 2011, 31, 164-171.	1.7	118
111	A Unified Model of Time Perception Accounts for Duration-Based and Beat-Based Timing Mechanisms. Frontiers in Integrative Neuroscience, 2011, 5, 90.	1.0	181
112	Direct Recordings of Pitch Responses from Human Auditory Cortex. Current Biology, 2010, 20, 1128-1132.	1.8	100
113	Transcranial Magnetic Theta-Burst Stimulation of the Human Cerebellum Distinguishes Absolute, Duration-Based from Relative, Beat-Based Perception of Subsecond Time Intervals. Frontiers in Psychology, 2010, 1, 171.	1.1	84
114	Disorders of the auditory brain. , 2010, , .		2
115	Dissociation of duration-based and beat-based auditory timing in cerebellar degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11597-11601.	3.3	162
116	Cortical Mechanisms for the Segregation and Representation of Acoustic Textures. Journal of Neuroscience, 2010, 30, 2070-2076.	1.7	31
117	How the Human Brain Recognizes Speech in the Context of Changing Speakers. Journal of Neuroscience, 2010, 30, 629-638.	1.7	86
118	Sounds Familiar?. Neuron, 2010, 66, 475-476.	3.8	1
119	Characterisation of the BOLD response time course at different levels of the auditory pathway in non-human primates. NeuroImage, 2010, 50, 1099-1108.	2.1	51
120	The Contribution of the Cerebellum to Cognition in Spinocerebellar Ataxia Type 6. Behavioural Neurology, 2010, 23, 3-15.	1.1	31
121	Faster decline of pitch memory over time in congenital amusia. Advances in Cognitive Psychology, 2010, 6, 15-22.	0.2	65
122	The contribution of the cerebellum to cognition in Spinocerebellar Ataxia Type 6. Behavioural Neurology, 2010, 23, 3-15.	1.1	21
123	Metricality-enhanced temporal encoding and the subjective perception of rhythmic sequences. Cortex, 2009, 45, 72-79.	1.1	77
124	Sensory Systems: Auditory Action Streams?. Current Biology, 2008, 18, R387-R388.	1.8	34
125	Encoding of Spectral Correlation over Time in Auditory Cortex. Journal of Neuroscience, 2008, 28, 13268-13273.	1.7	67
126	Tone deafness: a model complex cortical phenotype. Clinical Medicine, 2008, 8, 592-595.	0.8	7

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127	Mapping unpleasantness of sounds to their auditory representation. Journal of the Acoustical Society of America, 2008, 124, 3810-3817.	0.5	63
128	fMRI Evidence for a Cortical Hierarchy of Pitch Pattern Processing. PLoS ONE, 2008, 3, e1470.	1.1	50
129	Responses to Interaural Time Delay in Human Cortex. Journal of Neurophysiology, 2008, 100, 2712-2718.	0.9	30
130	Cortical Thickness in Congenital Amusia: When Less Is Better Than More. Journal of Neuroscience, 2007, 27, 13028-13032.	1.7	249
131	Hierarchical Processing of Auditory Objects in Humans. PLoS Computational Biology, 2007, 3, e100.	1.5	107
132	An Information Theoretic Characterisation of Auditory Encoding. PLoS Biology, 2007, 5, e288.	2.6	67
133	Capturing creativity. Brain, 2007, 131, 6-7.	3.7	9
134	Sorting Out Sound. Neuron, 2007, 56, 580-581.	3.8	1
135	Approaches to the cortical analysis of auditory objects. Hearing Research, 2007, 229, 46-53.	0.9	30
136	Neural Representation of Auditory Size in the Human Voice and in Sounds from Other Resonant Sources. Current Biology, 2007, 17, 1123-1128.	1.8	61
137	Rhythm deficits in â€˜tone deafnessâ€™. Brain and Cognition, 2006, 62, 24-29.	0.8	64
138	Representation of interaural time delay in the human auditory midbrain. Nature Neuroscience, 2006, 9, 1096-1098.	7.1	66
139	Morphometry of the amusic brain: a two-site study. Brain, 2006, 129, 2562-2570.	3.7	207
140	Music and the brain: disorders of musical listening. Brain, 2006, 129, 2533-2553.	3.7	264
141	Musically tone-deaf individuals have difficulty discriminating intonation contours extracted from speech. Brain and Cognition, 2005, 59, 310-313.	0.8	90
142	Characterization of deficits in pitch perception underlying 'tone deafness'. Brain, 2004, 127, 801-810.	3.7	196
143	What is an auditory object?. Nature Reviews Neuroscience, 2004, 5, 887-892.	4.9	417
144	Training Improves Acoustic Pattern Perception. Current Biology, 2004, 14, 322-325.	1.8	16

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145	Cortical processing of complex sound: a way forward?. Trends in Neurosciences, 2004, 27, 181-185.	4.2	65
146	Functional Imaging of Pitch Analysis. Annals of the New York Academy of Sciences, 2003, 999, 40-49.	1.8	44
147	Analyzing Pitch Chroma and Pitch Height in the Human Brain. Annals of the New York Academy of Sciences, 2003, 999, 212-214.	1.8	18
148	Reading skills are related to global, but not local, acoustic pattern perception. Nature Neuroscience, 2003, 6, 343-344.	7.1	75
149	A neural basis for the perception of voices in external auditory space. Brain, 2003, 126, 161-169.	3.7	71
150	Absence of auditory 'global interference' in autism. Brain, 2003, 126, 2703-2709.	3.7	73
151	Laterality Effects in Perceived Spatial Location of Hallucination-Like Voices. Perceptual and Motor Skills, 2003, 97, 246-250.	0.6	7
152	The Neural Processing of Complex Sounds. , 2003, , 168-177.		5
153	Central auditory pathologies. British Medical Bulletin, 2002, 63, 107-120.	2.7	35
154	Central auditory processing disorders. Current Opinion in Neurology, 2002, 15, 31-33.	1.8	53
155	Perception of Sound-Source Motion by the Human Brain. Neuron, 2002, 34, 139-148.	3.8	265
156	The Processing of Temporal Pitch and Melody Information in Auditory Cortex. Neuron, 2002, 36, 767-776.	3.8	655
157	The planum temporale as a computational hub. Trends in Neurosciences, 2002, 25, 348-353.	4.2	562
158	A Common Cortical Substrate Activated by Horizontal and Vertical Sound Movement in the Human Brain. Current Biology, 2002, 12, 1584-1590.	1.8	125
159	The Newcastle Auditory Battery (NAB). Hearing Research, 2001, 154, 165-169.	0.9	16
160	Encoding of the temporal regularity of sound in the human brainstem. Nature Neuroscience, 2001, 4, 633-637.	7.1	189
161	The Neural Processing of Complex Sounds. Annals of the New York Academy of Sciences, 2001, 930, 133-142.	1.8	47
162	Frontal processing and auditory perception. NeuroReport, 2000, 11, 919-922.	0.6	37

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163	Human brain areas involved in the analysis of auditory movement. , 2000, 9, 72-80.		114
164	The spectrum of hearing loss due to mitochondrial DNA defects. Brain, 2000, 123, 82-92.	3.7	132
165	Cortical Activation during Perception of a Rotating Wide-Field Acoustic Stimulus. NeuroImage, 1999, 10, 84-90.	2.1	53
166	A common neural substrate for the analysis of pitch and duration pattern in segmented sound?. NeuroReport, 1999, 10, 3825-3830.	0.6	149
167	Analysis of temporal structure in sound by the human brain. Nature Neuroscience, 1998, 1, 422-427.	7.1	282
168	Right parietal cortex is involved in the perception of sound movement in humans. Nature Neuroscience, 1998, 1, 74-79.	7.1	251
169	A distinct low-level mechanism for interaural timing analysis in human hearing. NeuroReport, 1998, 9, 3383-3386.	0.6	19
170	Evidence for a sound movement area in the human cerebral cortex. Nature, 1996, 383, 425-427.	13.7	127