# Maria Chait

List of Publications by Year
in descending order



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|---|---|---|---|
| 46 papers | 2,289 citations | 279798 23 h-index | 265206 42 g-index |
| 63 all docs | 63 docs citations | 63 times ranked | 1484 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Great Expectations: Is there Evidence for Predictive Coding in Auditory Cortex?. Neuroscience, 2018, 389, 54-73. | 2.3 | 281 |
| 2 | 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. | 7.1 | 229 |
| 3 | Brain Bases for Auditory Stimulus-Driven Figureâ€“Ground Segregation. Journal of Neuroscience, 2011, 31, 164-171. | 3.6 | 118 |
| 4 | Inattentional Deafness: Visual Load Leads to Time-Specific Suppression of Auditory Evoked Responses. Journal of Neuroscience, 2015, 35, 16046-16054. | 3.6 | 109 |
| 5 | Is predictability salient? A study of attentional capture by auditory patterns. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160105. | 4.0 | 102 |
| 6 | The role of temporal regularity in auditory segregation. Hearing Research, 2011, 280, 228-235. | 2.0 | 95 |
| 7 | Detecting and representing predictable structure during auditory scene analysis. ELife, 2016, 5, . | 6.0 | 92 |
| 8 | Neural Response Correlates of Detection of Monaurally and Binaurally Created Pitches in Humans. Cerebral Cortex, 2006, 16, 835-848. | 2.9 | 84 |
| 9 | An online headphone screening test based on dichotic pitch. Behavior Research Methods, 2021, 53, 1551-1562. | 4.0 | 79 |
| 10 | Enhanced deviant responses in patterned relative to random sound sequences. Cortex, 2018, 109, 92-103. | 2.4 | 77 |
| 11 | Neural Correlates of Auditory Figure-Ground Segregation Based on Temporal Coherence. Cerebral Cortex, 2016, 26, 3669-3680. | 2.9 | 74 |
| 12 | Processing Asymmetry of Transitions between Order and Disorder in Human Auditory Cortex. Journal of Neuroscience, 2007, 27, 5207-5214. | 3.6 | 71 |
| 13 | Segregation of complex acoustic scenes based on temporal coherence. ELife, 2013, 2, e00699. | 6.0 | 65 |
| 14 | Neural dynamics of attending and ignoring in human auditory cortex. Neuropsychologia, 2010, 48, 3262-3271. | 1.6 | 64 |
| 15 | Pupil-linked phasic arousal evoked by violation but not emergence of regularity within rapid sound sequences. Nature Communications, 2019, 10, 4030. | 12.8 | 60 |
| 16 | Human Auditory Cortical Processing of Changes in Interaural Correlation. Journal of Neuroscience, 2005, 25, 8518-8527. | 3.6 | 57 |
| 17 | Auditory M50 and M100 responses to broadband noise: functional implications. NeuroReport, 2004, 15, 2455-2458. | 1.2 | 53 |
| 18 | The Cumulative Effects of Predictability on Synaptic Gain in the Auditory Processing Stream. Journal of Neuroscience, 2017, 37, 6751-6760. | 3.6 | 52 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Multi-time resolution analysis of speech: evidence from psychophysics. Frontiers in Neuroscience, 2015, 9, 214. | 2.8 | 51 |
| 20 | Detection of Appearing and Disappearing Objects in Complex Acoustic Scenes. PLoS ONE, 2012, 7, e46167. | 2.5 | 43 |
| 21 | Auditory temporal edge detection in human auditory cortex. Brain Research, 2008, 1213, 78-90. | 2.2 | 39 |
| 22 | Sensitivity to the temporal structure of rapid sound sequences â€" An MEG study. NeuroImage, 2015, 110, 194-204. | 4.2 | 38 |
| 23 | Rapid Ocular Responses Are Modulated by Bottom-up-Driven Auditory Salience. Journal of Neuroscience, 2019, 39, 7703-7714. | 3.6 | 33 |
| 24 | Rapid Brain Responses to Familiar vs. Unfamiliar Music â€" an EEG and Pupillometry study. Scientific Reports, 2019, 9, 15570. | 3.3 | 30 |
| 25 | Pupillometry as an Objective Measure of Sustained Attention in Young and Older Listeners. Trends in Hearing, 2019, 23, 233121651988781. | 1.3 | 30 |
| 26 | Long-term implicit memory for sequential auditory patterns in humans. ELife, 2020, 9, . | 6.0 | 28 |
| 27 | Sound segregation via embedded repetition is robust to inattention.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 386-400. | 0.9 | 27 |
| 28 | Cortical responses to changes in acoustic regularity are differentially modulated by attentional load. NeuroImage, 2012, 59, 1932-1941. | 4.2 | 25 |
| 29 | Delayed detection of tonal targets in background noise in dyslexia. Brain and Language, 2007, 102, 80-90. | 1.6 | 22 |
| 30 | Neural dynamics of change detection in crowded acoustic scenes. NeuroImage, 2016, 126, 164-172. | 4.2 | 21 |
| 31 | Auditory figure-ground segregation is impaired by high visual load. Journal of Neuroscience, 2019, 39, 2518-18. | 3.6 | 19 |
| 32 | PPM-Decay: A computational model of auditory prediction with memory decay. PLoS Computational Biology, 2020, 16, e1008304. | 3.2 | 15 |
| 33 | The effect of distraction on change detection in crowded acoustic scenes. Hearing Research, 2016, 341, 179-189. | 2.0 | 11 |
| 34 | How the brain discovers structure in sound sequences. Acoustical Science and Technology, 2020, 41, 48-53. | 0.5 | 11 |
| 35 | The effect of healthy aging on change detection and sensitivity to predictable structure in crowded acoustic scenes. Hearing Research, 2021, 399, 108074. | 2.0 | 11 |
| 36 | â€œChange Deafnessâ€•Arising from Inter-feature Masking within a Single Auditory Object. Journal of Cognitive Neuroscience, 2014, 26, 514-528. | 2.3 | 9 |

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|---|---|---|---|
| 37 | Reward Enhances Online Participantsâ€™ Engagement With a Demanding Auditory Task. Trends in Hearing, 2021, 25, 233121652110259. | 1.3 | 9 |
| 38 | Sustained Pupil Responses Are Modulated by Predictability of Auditory Sequences. Journal of Neuroscience, 2021, 41, 6116-6127. | 3.6 | 8 |
| 39 | Retroactive adjustment of perceived time. Cognition, 2011, 119, 125-130. | 2.2 | 7 |
| 40 | The Timing of Change Detection and Change Perception in Complex Acoustic Scenes. Frontiers in Psychology, 2012, 3, 396. | 2.1 | 5 |
| 41 | Sensitivity to temporal structure facilitates perceptual analysis of complex auditory scenes. Hearing Research, 2021, 400, 108111. | 2.0 | 4 |
| 42 | Does auditory processing rely on encapsulated, or domain-general computational resources?. Acoustical Science and Technology, 2020, 41, 13-15. | 0.5 | 2 |
| 43 | PPM-Decay: A computational model of auditory prediction with memory decay. , 2020, 16, e1008304. | | 0 |
| 44 | PPM-Decay: A computational model of auditory prediction with memory decay. , 2020, 16, e1008304. | | 0 |
| 45 | PPM-Decay: A computational model of auditory prediction with memory decay. , 2020, 16, e1008304. | | 0 |
| 46 | PPM-Decay: A computational model of auditory prediction with memory decay. , 2020, 16, e1008304. | | 0 |