

# Jonathan B Fritz

## List of Publications by Year in descending order

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51  
papers

4,944  
citations

147801

31  
h-index

206112

48  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2924  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid task-related plasticity of spectrotemporal receptive fields in primary auditory cortex. <i>Nature Neuroscience</i> , 2003, 6, 1216-1223.	14.8	762
2	Auditory attention—focusing the searchlight on sound. <i>Current Opinion in Neurobiology</i> , 2007, 17, 437-455.	4.2	418
3	Task reward structure shapes rapid receptive field plasticity in auditory cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2144-2149.	7.1	244
4	Differential Dynamic Plasticity of A1 Receptive Fields during Multiple Spectral Tasks. <i>Journal of Neuroscience</i> , 2005, 25, 7623-7635.	3.6	214
5	Adaptive, behaviorally gated, persistent encoding of task-relevant auditory information in ferret frontal cortex. <i>Nature Neuroscience</i> , 2010, 13, 1011-1019.	14.8	214
6	Task Difficulty and Performance Induce Diverse Adaptive Patterns in Gain and Shape of Primary Auditory Cortical Receptive Fields. <i>Neuron</i> , 2009, 61, 467-480.	8.1	195
7	Active listening: Task-dependent plasticity of spectrotemporal receptive fields in primary auditory cortex. <i>Hearing Research</i> , 2005, 206, 159-176.	2.0	184
8	Phoneme representation and classification in primary auditory cortex. <i>Journal of the Acoustical Society of America</i> , 2008, 123, 899-909.	1.1	175
9	Species-specific calls activate homologs of Broca's and Wernicke's areas in the macaque. <i>Nature Neuroscience</i> , 2006, 9, 1064-1070.	14.8	170
10	Does attention play a role in dynamic receptive field adaptation to changing acoustic salience in A1?. <i>Hearing Research</i> , 2007, 229, 186-203.	2.0	168
11	Influence of Context and Behavior on Stimulus Reconstruction From Neural Activity in Primary Auditory Cortex. <i>Journal of Neurophysiology</i> , 2009, 102, 3329-3339.	1.8	149
12	Adaptive Changes in Cortical Receptive Fields Induced by Attention to Complex Sounds. <i>Journal of Neurophysiology</i> , 2007, 98, 2337-2346.	1.8	147
13	Auditory lexical decision, categorical perception, and FM direction discrimination differentially engage left and right auditory cortex. <i>Neuropsychologia</i> , 2004, 42, 183-200.	1.6	145
14	Dynamics of Precise Spike Timing in Primary Auditory Cortex. <i>Journal of Neuroscience</i> , 2004, 24, 1159-1172.	3.6	142
15	Rapid Synaptic Depression Explains Nonlinear Modulation of Spectro-Temporal Tuning in Primary Auditory Cortex by Natural Stimuli. <i>Journal of Neuroscience</i> , 2009, 29, 3374-3386.	3.6	141
16	Emergent Selectivity for Task-Relevant Stimuli in Higher-Order Auditory Cortex. <i>Neuron</i> , 2014, 82, 486-499.	8.1	134
17	In search of an auditory engram. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9359-9364.	7.1	123
18	Mechanisms of noise robust representation of speech in primary auditory cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6792-6797.	7.1	116

#	ARTICLE	IF	CITATIONS
19	A possible neuronal basis for representation of acoustic scenes in auditory cortex of the big brown bat. <i>Nature</i> , 1993, 364, 620-623.	27.8	113
20	Rhesus macaques spontaneously perceive formants in conspecific vocalizations. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 2132-2141.	1.1	92
21	Orbitofrontal Cortex Neurons Respond to Sound and Activate Primary Auditory Cortex Neurons. <i>Cerebral Cortex</i> , 2018, 28, 868-879.	2.9	79
22	Extracting neuronal functional network dynamics via adaptive Granger causality analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3869-E3878.	7.1	72
23	Rapid Spectrotemporal Plasticity in Primary Auditory Cortex during Behavior. <i>Journal of Neuroscience</i> , 2014, 34, 4396-4408.	3.6	71
24	Auditory Cortical Receptive Fields: Stable Entities with Plastic Abilities. <i>Journal of Neuroscience</i> , 2007, 27, 10372-10382.	3.6	70
25	Go/No-Go task engagement enhances population representation of target stimuli in primary auditory cortex. <i>Nature Communications</i> , 2018, 9, 2529.	12.8	59
26	State-dependent encoding of sound and behavioral meaning in a tertiary region of the ferret auditory cortex. <i>Nature Neuroscience</i> , 2019, 22, 447-459.	14.8	56
27	Adaptive auditory computations. <i>Current Opinion in Neurobiology</i> , 2014, 25, 164-168.	4.2	52
28	Temporal coherence structure rapidly shapes neuronal interactions. <i>Nature Communications</i> , 2017, 8, 13900.	12.8	50
29	Early Stages of Melody Processing: Stimulus-Sequence and Task-Dependent Neuronal Activity in Monkey Auditory Cortical Fields A1 and R. <i>Journal of Neurophysiology</i> , 2008, 100, 3009-3029.	1.8	46
30	Reply to 'Whatâ€™, whereâ€™ and howâ€™ in auditory cortex'. <i>Nature Neuroscience</i> , 2000, 3, 966-966.14.8	14.8	38
31	Do ferrets perceive relative pitch?. <i>Journal of the Acoustical Society of America</i> , 2010, 127, 1673-1680.	1.1	36
32	Temporal Symmetry in Primary Auditory Cortex: Implications for Cortical Connectivity. <i>Neural Computation</i> , 2007, 19, 583-638.	2.2	34
33	Dynamics and Hierarchical Encoding of Non-compact Acoustic Categories in Auditory and Frontal Cortex. <i>Current Biology</i> , 2020, 30, 1649-1663.e5.	3.9	33
34	Laminar profile of task-related plasticity in ferret primary auditory cortex. <i>Scientific Reports</i> , 2018, 8, 16375.	3.3	30
35	A computational model of rapid task-related plasticity of auditory cortical receptive fields. <i>Journal of Computational Neuroscience</i> , 2010, 28, 19-27.	1.0	26
36	Auditory Computations for Biosonar Target Imaging in Bats. <i>Springer Handbook of Auditory Research</i> , 1996, , 401-468.	0.7	25

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37	Recursive Sparse Point Process Regression With Application to Spectrotemporal Receptive Field Plasticity Analysis. IEEE Transactions on Signal Processing, 2016, 64, 2026-2039.	5.3	22
38	What can animal communication teach us about human language?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190042.	4.0	18
39	Implicit Memory for Complex Sounds in Higher Auditory Cortex of the Ferret. Journal of Neuroscience, 2018, 38, 9955-9966.	3.6	16
40	One Click, Two Clicks: The Past Shapes the Future in Auditory Cortex. Neuron, 2005, 47, 325-327.	8.1	13
41	Monkey's short-term auditory memory nearly abolished by combined removal of the rostral superior temporal gyrus and rhinal cortices. Brain Research, 2016, 1640, 289-298.	2.2	10
42	Attention and Dynamic, Task-Related Receptive Field Plasticity in Adult Auditory Cortex. Springer Handbook of Auditory Research, 2013, , 251-291.	0.7	8
43	Adaptive Efficient Coding of Correlated Acoustic Properties. Journal of Neuroscience, 2019, 39, 8664-8678.	3.6	7
44	Computational Neural Modeling of Auditory Cortical Receptive Fields. Frontiers in Computational Neuroscience, 2019, 13, 28.	2.1	7
45	Adaptive sparse logistic regression with application to neuronal plasticity analysis. , 2015, , .		3
46	Relative salience of spectral and temporal features in auditory long-term memory. Journal of the Acoustical Society of America, 2016, 140, 4046-4060.	1.1	3
47	Dorsal prefrontal and premotor cortex of the ferret as defined by distinctive patterns of thalamo-cortical projections. Brain Structure and Function, 2020, 225, 1643-1667.	2.3	3
48	Is the MSB hypothesis (music as a coevolved system for social bonding) testable in the Popperian sense?. Behavioral and Brain Sciences, 2021, 44, e70.	0.7	2
49	Probing the functional circuitry underlying auditory attention via dynamic granger causality analysis. , 2016, , .		1
50	Correlates of Auditory Attention and Task Performance in Primary Auditory and Prefrontal Cortex. , 2010, , 555-570.		1
51	Dynamics and Hierarchical Encoding of Non-Compact Acoustic Categories in Auditory and Frontal Cortex. SSRN Electronic Journal, 0, , .	0.4	0