

Jonathan B Fritz

List of Publications by Year in descending order

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51
papers

4,944
citations

168829

31
h-index

232693

48
g-index

56
all docs

56
docs citations

56
times ranked

3404
citing authors

#	ARTICLE	IF	CITATIONS
1	Is the MSB hypothesis (music as a coevolved system for social bonding) testable in the Popperian sense?. Behavioral and Brain Sciences, 2021, 44, e70.	0.4	2
2	What can animal communication teach us about human language?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190042.	1.8	18
3	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.	1.2	3
4	Dynamics and Hierarchical Encoding of Non-compact Acoustic Categories in Auditory and Frontal Cortex. Current Biology, 2020, 30, 1649-1663.e5.	1.8	33
5	Adaptive Efficient Coding of Correlated Acoustic Properties. Journal of Neuroscience, 2019, 39, 8664-8678.	1.7	7
6	State-dependent encoding of sound and behavioral meaning in a tertiary region of the ferret auditory cortex. Nature Neuroscience, 2019, 22, 447-459.	7.1	56
7	Computational Neural Modeling of Auditory Cortical Receptive Fields. Frontiers in Computational Neuroscience, 2019, 13, 28.	1.2	7
8	Extracting neuronal functional network dynamics via adaptive Granger causality analysis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3869-E3878.	3.3	72
9	Orbitofrontal Cortex Neurons Respond to Sound and Activate Primary Auditory Cortex Neurons. Cerebral Cortex, 2018, 28, 868-879.	1.6	79
10	Laminar profile of task-related plasticity in ferret primary auditory cortex. Scientific Reports, 2018, 8, 16375.	1.6	30
11	Implicit Memory for Complex Sounds in Higher Auditory Cortex of the Ferret. Journal of Neuroscience, 2018, 38, 9955-9966.	1.7	16
12	Go/No-Go task engagement enhances population representation of target stimuli in primary auditory cortex. Nature Communications, 2018, 9, 2529.	5.8	59
13	Temporal coherence structure rapidly shapes neuronal interactions. Nature Communications, 2017, 8, 13900.	5.8	50
14	Relative salience of spectral and temporal features in auditory long-term memory. Journal of the Acoustical Society of America, 2016, 140, 4046-4060.	0.5	3
15	Recursive Sparse Point Process Regression With Application to Spectrotemporal Receptive Field Plasticity Analysis. IEEE Transactions on Signal Processing, 2016, 64, 2026-2039.	3.2	22
16	Probing the functional circuitry underlying auditory attention via dynamic granger causality analysis. , 2016, , .		1
17	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.	1.1	10
18	Adaptive sparse logistic regression with application to neuronal plasticity analysis. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Mechanisms of noise robust representation of speech in primary auditory cortex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6792-6797.	3.3	116
20	Adaptive auditory computations. Current Opinion in Neurobiology, 2014, 25, 164-168.	2.0	52
21	Emergent Selectivity for Task-Relevant Stimuli in Higher-Order Auditory Cortex. Neuron, 2014, 82, 486-499.	3.8	134
22	Rapid Spectrotemporal Plasticity in Primary Auditory Cortex during Behavior. Journal of Neuroscience, 2014, 34, 4396-4408.	1.7	71
23	Attention and Dynamic, Task-Related Receptive Field Plasticity in Adult Auditory Cortex. Springer Handbook of Auditory Research, 2013, , 251-291.	0.3	8
24	Task reward structure shapes rapid receptive field plasticity in auditory cortex. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2144-2149.	3.3	244
25	A computational model of rapid task-related plasticity of auditory cortical receptive fields. Journal of Computational Neuroscience, 2010, 28, 19-27.	0.6	26
26	Adaptive, behaviorally gated, persistent encoding of task-relevant auditory information in ferret frontal cortex. Nature Neuroscience, 2010, 13, 1011-1019.	7.1	214
27	Do ferrets perceive relative pitch?. Journal of the Acoustical Society of America, 2010, 127, 1673-1680.	0.5	36
28	Correlates of Auditory Attention and Task Performance in Primary Auditory and Prefrontal Cortex. , 2010, , 555-570.		1
29	Rapid Synaptic Depression Explains Nonlinear Modulation of Spectro-Temporal Tuning in Primary Auditory Cortex by Natural Stimuli. Journal of Neuroscience, 2009, 29, 3374-3386.	1.7	141
30	Influence of Context and Behavior on Stimulus Reconstruction From Neural Activity in Primary Auditory Cortex. Journal of Neurophysiology, 2009, 102, 3329-3339.	0.9	149
31	Task Difficulty and Performance Induce Diverse Adaptive Patterns in Gain and Shape of Primary Auditory Cortical Receptive Fields. Neuron, 2009, 61, 467-480.	3.8	195
32	Phoneme representation and classification in primary auditory cortex. Journal of the Acoustical Society of America, 2008, 123, 899-909.	0.5	175
33	Early Stages of Melody Processing: Stimulus-Sequence and Task-Dependent Neuronal Activity in Monkey Auditory Cortical Fields A1 and R. Journal of Neurophysiology, 2008, 100, 3009-3029.	0.9	46
34	Auditory Cortical Receptive Fields: Stable Entities with Plastic Abilities. Journal of Neuroscience, 2007, 27, 10372-10382.	1.7	70
35	Temporal Symmetry in Primary Auditory Cortex: Implications for Cortical Connectivity. Neural Computation, 2007, 19, 583-638.	1.3	34
36	Adaptive Changes in Cortical Receptive Fields Induced by Attention to Complex Sounds. Journal of Neurophysiology, 2007, 98, 2337-2346.	0.9	147

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37	Does attention play a role in dynamic receptive field adaptation to changing acoustic salience in A1?. <i>Hearing Research</i> , 2007, 229, 186-203.	0.9	168
38	Auditory attentionâ€™focusing the searchlight on sound. <i>Current Opinion in Neurobiology</i> , 2007, 17, 437-455.	2.0	418
39	Species-specific calls activate homologs of Broca's and Wernicke's areas in the macaque. <i>Nature Neuroscience</i> , 2006, 9, 1064-1070.	7.1	170
40	Rhesus macaques spontaneously perceive formants in conspecific vocalizations. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 2132-2141.	0.5	92
41	Differential Dynamic Plasticity of A1 Receptive Fields during Multiple Spectral Tasks. <i>Journal of Neuroscience</i> , 2005, 25, 7623-7635.	1.7	214
42	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.	3.3	123
43	Active listening: Task-dependent plasticity of spectrotemporal receptive fields in primary auditory cortex. <i>Hearing Research</i> , 2005, 206, 159-176.	0.9	184
44	One Click, Two Clicks: The Past Shapes the Future in Auditory Cortex. <i>Neuron</i> , 2005, 47, 325-327.	3.8	13
45	Auditory lexical decision, categorical perception, and FM direction discrimination differentially engage left and right auditory cortex. <i>Neuropsychologia</i> , 2004, 42, 183-200.	0.7	145
46	Dynamics of Precise Spike Timing in Primary Auditory Cortex. <i>Journal of Neuroscience</i> , 2004, 24, 1159-1172.	1.7	142
47	Rapid task-related plasticity of spectrotemporal receptive fields in primary auditory cortex. <i>Nature Neuroscience</i> , 2003, 6, 1216-1223.	7.1	762
48	Reply to 'â€™Whatâ€™, â€™whereâ€™ and â€™howâ€™ in auditory cortex'. <i>Nature Neuroscience</i> , 2000, 3, 966-966.7.1		38
49	Auditory Computations for Biosonar Target Imaging in Bats. <i>Springer Handbook of Auditory Research</i> , 1996, , 401-468.	0.3	25
50	A possible neuronal basis for representation of acoustic scenes in auditory cortex of the big brown bat. <i>Nature</i> , 1993, 364, 620-623.	13.7	113
51	Dynamics and Hierarchical Encoding of Non-Compact Acoustic Categories in Auditory and Frontal Cortex. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0