Nobuo Suga

List of Publications by Year
in descending order

65	4,990	109321 35	110387 64
papers	citations	h-index	g-index

68	68	68	1943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasticity of the adult auditory system based on corticocortical and corticofugal modulations. Neuroscience and Biobehavioral Reviews, 2020, 113, 461-478.	6.1	18
2	Inhibitory mechanisms shaping delay-tuned combination-sensitivity in the auditory cortex and thalamus of the mustached bat. Hearing Research, 2019, 373, 71-84.	2.0	5
3	Specialization of the auditory system for the processing of bio-sonar information in the frequency domain: Mustached bats. Hearing Research, 2018, 361, 1-22.	2.0	11
4	Differences in velocity-information processing between two areas in the auditory cortex of mustached bats. Hearing Research, 2017, 350, 68-81.	2.0	2
5	Acuity in ranging based on delay-tuned combination-sensitive neurons in the auditory cortex of mustached bats. Hearing Research, 2017, 350, 189-204.	2.0	8
6	Synaptic mechanisms shaping delay-tuned combination-sensitivity in the auditory thalamus of mustached bats. Hearing Research, 2016, 331, 69-82.	2.0	10
7	Neural processing of auditory signals in the time domain: Delay-tuned coincidence detectors in the mustached bat. Hearing Research, 2015, 324, 19-36.	2.0	34
8	Histaminergic modulation of nonspecific plasticity of the auditory system and differential gating. Journal of Neurophysiology, 2013, 109, 792-802.	1.8	5
9	Modulation of thalamic auditory neurons by the primary auditory cortex. Journal of Neurophysiology, 2012, 108, 935-942.	1.8	25
10	Tuning shifts of the auditory system by corticocortical and corticofugal projections and conditioning. Neuroscience and Biobehavioral Reviews, 2012, 36, 969-988.	6.1	77
11	Corticocortical Interactions between and within Three Cortical Auditory Areas Specialized for Time-Domain Signal Processing. Journal of Neuroscience, 2009, 29, 7230-7237.	3.6	16
12	Tone-Specific and Nonspecific Plasticity of Inferior Colliculus Elicited by Pseudo-Conditioning: Role of Acetylcholine and Auditory and Somatosensory Cortices. Journal of Neurophysiology, 2009, 102, 941-952.	1.8	26
13	Specific and Nonspecific Plasticity of the Primary Auditory Cortex Elicited by Thalamic Auditory Neurons. Journal of Neuroscience, 2009, 29, 4888-4896.	3.6	35
14	Role of corticofugal feedback in hearing. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2008, 194, 169-183.	1.6	129
15	Modulation of auditory processing by cortico-cortical feed-forward and feedback projections. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7600-7605.	7.1	27
16	Corticofugal Modulation of the Paradoxical Latency Shifts of Inferior Collicular Neurons. Journal of Neurophysiology, 2008, 100, 1127-1134.	1.8	37
17	Tone-Specific and Nonspecific Plasticity of the Auditory Cortex Elicited by Pseudoconditioning: Role of Acetylcholine Receptors and the Somatosensory Cortex. Journal of Neurophysiology, 2008, 100, 1384-1396.	1.8	18
18	Serotonergic Modulation of Plasticity of the Auditory Cortex Elicited by Fear Conditioning. Journal of Neuroscience, 2007, 27, 4910-4918.	3.6	74

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19	Bilateral Cortical Interaction: Modulation of Delay-Tuned Neurons in the Contralateral Auditory Cortex. Journal of Neuroscience, 2007, 27, 8405-8413.	3.6	22
20	Multiparametric Corticofugal Modulation of Collicular Duration-Tuned Neurons: Modulation in the Amplitude Domain. Journal of Neurophysiology, 2007, 97, 3722-3730.	1.8	19
21	Effects of Agonists and Antagonists of NMDA and ACh Receptors on Plasticity of Bat Auditory System Elicited by Fear Conditioning. Journal of Neurophysiology, 2005, 94, 1199-1211.	1.8	41
22	Corticofugal Feedback for Collicular Plasticity Evoked by Electric Stimulation of the Inferior Colliculus. Journal of Neurophysiology, 2005, 94, 2676-2682.	1.8	47
23	Long-term cortical plasticity evoked by electric stimulation and acetylcholine applied to the auditory cortex. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9335-9340.	7.1	70
24	Asymmetry in corticofugal modulation of frequency-tuning in mustached bat auditory system. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19162-19167.	7.1	21
25	Lateral Inhibition for Center-Surround Reorganization of the Frequency Map of Bat Auditory Cortex. Journal of Neurophysiology, 2004, 92, 3192-3199.	1.8	33
26	Criticisms of 'Specific long-term memory traces in primary auditory cortex'. Nature Reviews Neuroscience, 2004, 5, 1-1.	10.2	341
27	Reorganization of the auditory cortex specialized for echo-delay processing in the mustached bat. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1769-1774.	7.1	29
28	Multiparametric corticofugal modulation and plasticity in the auditory system. Nature Reviews Neuroscience, 2003, 4, 783-794.	10.2	360
29	Augmentation of Plasticity of the Central Auditory System by the Basal Forebrain and/or Somatosensory Cortex. Journal of Neurophysiology, 2003, 89, 90-103.	1.8	93
30	Development of Reorganization of the Auditory Cortex Caused by Fear Conditioning: Effect of Atropine. Journal of Neurophysiology, 2003, 90, 1904-1909.	1.8	65
31	Centripetal and centrifugal reorganizations of frequency map of auditory cortex in gerbils. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7108-7112.	7.1	49
32	Nonlinear partial differential equations and applications: Reorganization of the cochleotopic map in the bat's auditory system by inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15743-15748.	7.1	48
33	Plasticity and Corticofugal Modulation for Hearing in Adult Animals. Neuron, 2002, 36, 9-18.	8.1	180
34	Modulation of cochlear hair cells by the auditory cortex in the mustached bat. Nature Neuroscience, 2002, 5, 57-63.	14.8	152
35	Multiple combination-sensitive neurons in the auditory cortex of the mustached bat. Hearing Research, 2001, 151, 15-29.	2.0	27
36	Plasticity of Bat's Central Auditory System Evoked by Focal Electric Stimulation of Auditory and/or Somatosensory Cortices. Journal of Neurophysiology, 2001, 85, 1078-1087.	1.8	108

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37	Effects of Acetylcholine and Atropine on Plasticity of Central Auditory Neurons Caused by Conditioning in Bats. Journal of Neurophysiology, 2001, 86, 211-225.	1.8	126
38	Corticofugal system and processing of behaviorally relevant sounds: Perspective. Acoustical Science and Technology, 2001, 22, 85-91.	0.5	1
39	Modulation of Responses and Frequency Tuning of Thalamic and Collicular Neurons by Cortical Activation in Mustached Bats. Journal of Neurophysiology, 2000, 84, 325-333.	1.8	136
40	Reorganization of the Frequency Map of the Auditory Cortex Evoked by Cortical Electrical Stimulation in the Big Brown Bat. Journal of Neurophysiology, 2000, 83, 1856-1863.	1.8	95
41	Facilitatory and Inhibitory Frequency Tuning of Combination-Sensitive Neurons in the Primary Auditory Cortex of Mustached Bats. Journal of Neurophysiology, 1999, 82, 2327-2345.	1.8	64
42	Corticofugal Amplification of Facilitative Auditory Responses of Subcortical Combination-Sensitive Neurons in the Mustached Bat. Journal of Neurophysiology, 1999, 81, 817-824.	1.8	68
43	Corticofugal modulation of the midbrain frequency map in the bat auditory system. Nature Neuroscience, 1998, 1, 54-58.	14.8	203
44	Distribution of response types across entire hemispheres of the mustached bat's auditory cortex. Journal of Comparative Neurology, 1998, 391, 353-365.	1.6	34
45	Distribution of response types across entire hemispheres of the mustached bat's auditory cortex. , 1998, 391, 353-365.		15
46	Connections among functional areas in the mustached bat auditory cortex. Journal of Comparative Neurology, 1998, 391, 366-396.	1.6	60
47	Distribution of response types across entire hemispheres of the mustached bat's auditory cortex. Journal of Comparative Neurology, 1998, 391, 353-365.	1.6	11
48	Tribute to Yasuji Katsuki's Major Findings: Sharpening of Frequency Tuning in the Central Auditory System. Acta Oto-Laryngologica, 1997, 117, 9-12.	0.9	9
49	Corticofugal Amplification of Subcortical Responses to Single Tone Stimuli in the Mustached Bat. Journal of Neurophysiology, 1997, 78, 3489-3492.	1.8	109
50	Sharpening of Frequency Tuning by Inhibition in the Thalamic Auditory Nucleus of the Mustached Bat. Journal of Neurophysiology, 1997, 77, 2098-2114.	1.8	127
51	Corticofugal modulation of frequency processing in bat auditory system. Nature, 1997, 387, 900-903.	27.8	220
52	The midbrain creates and the thalamus sharpens echo-delay tuning for the cortical representation of target-distance information in the mustached bat. Hearing Research, 1996, 93, 102-110.	2.0	119
53	Facilitative responses to species-specific calls in cortical FM-FM neurons of the mustached bat. NeuroReport, 1996, 7, 1749-1755.	1.2	140
54	Sharpening of frequency tuning by inhibition in the central auditory system: tribute to Yasuji Katsuki. Neuroscience Research, 1995, 21, 287-299.	1.9	103

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55	Analysis of acoustic elements and syntax in communication sounds emitted by mustached bats. Journal of the Acoustical Society of America, 1994, 96, 1229-1254.	1.1	268
56	FM-FM combination-sensitive neurons in the mustached bat's auditory cortex.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1990, 66, 15-18.	3.8	0
57	Biosonar and Neural Computation in Bats. Scientific American, 1990, 262, 60-68.	1.0	136
58	Cortical computational maps for auditory imaging. Neural Networks, 1990, 3, 3-21.	5.9	207
59	Response properties of FM-FM combination-sensitive neurons in the auditory cortex of the mustached bat. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1986, 159, 331-337.	1.6	35
60	Neural mechanisms of complex-sound processing for echolocation. Trends in Neurosciences, 1984, 7, 20-27.	8.6	51
61	Coding and processing in the auditory systems of FMâ€signalâ€producing bats. Journal of the Acoustical Society of America, 1973, 54, 174-190.	1.1	112
62	Analysis of information-bearing elements in complex sounds by auditory neurons of bats. International Journal of Audiology, 1972, 11, 58-72.	1.7	35
63	Classification of inferior collicular neurones of bats in terms of responses to pure tones, frequencyâ€modulated sounds and noise bursts. Journal of Physiology, 1969, 200, 555-574.	2.9	105
64	Analysis of frequencyâ€modulated and complex sounds by single auditory neurones of bats. Journal of Physiology, 1968, 198, 51-80.	2.9	124
65	Parallel-Hierarchical Processing of Complex Sounds for Specialized Auditory Function. , 0, , 1409-1418.		9