

# Michael Brosch

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

4,212  
citations

331538

21  
h-index

182361

51  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2433  
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations and Rewards in the Auditory Cortex. , 2022, , 226-229.		0
2	Auditory perception is influenced by the orientation of the trunk relative to a sound source. Experimental Brain Research, 2021, 239, 1223-1234.	0.7	3
3	Comparison of Pupil Dilation Responses to Unexpected Sounds in Monkeys and Humans. Frontiers in Psychology, 2021, 12, 754604.	1.1	4
4	Predictive cues for auditory stream formation in humans and monkeys. European Journal of Neuroscience, 2020, 51, 1254-1264.	1.2	0
5	Representation of Auditory Task Components and of Their Relationships in Primate Auditory Cortex. Frontiers in Neuroscience, 2020, 14, 306.	1.4	8
6	Associations between sounds and actions in primate prefrontal cortex. Brain Research, 2020, 1738, 146775.	1.1	7
7	Electrochemistry of Graphene Nanoplatelets Printed Electrodes for Cortical Direct Current Stimulation. Frontiers in Neuroscience, 2020, 14, 594235.	1.4	3
8	Early Sensory Loss Alters the Dendritic Branching and Spine Density of Supragranular Pyramidal Neurons in Rodent Primary Sensory Cortices. Frontiers in Neural Circuits, 2019, 13, 61.	1.4	9
9	Associations between sounds and actions in early auditory cortex of nonhuman primates. ELife, 2019, 8, .	2.8	36
10	Associations and Rewards in the Auditory Cortex. , 2019, , 1-3.		0
11	Neuronal Correlates of Auditory Streaming in Monkey Auditory Cortex for Tone Sequences without Spectral Differences. Frontiers in Integrative Neuroscience, 2018, 12, 4.	1.0	3
12	Neuronal correlates of auditory streaming in the auditory cortex of behaving monkeys. European Journal of Neuroscience, 2018, 48, 3234-3245.	1.2	7
13	Metamaterial-based transmit and receive system for whole-body magnetic resonance imaging at ultra-high magnetic fields. PLoS ONE, 2018, 13, e0191719.	1.1	11
14	Category-specific neuronal activity in left and right auditory cortex and in medial geniculate body of monkeys. PLoS ONE, 2017, 12, e0186556.	1.1	8
15	Neural correlates of auditory working memory. Brain Research, 2016, 1640, 181-182.	1.1	2
16	Tonic effects of the dopaminergic ventral midbrain on the auditory cortex of awake macaque monkeys. Brain Structure and Function, 2016, 221, 969-977.	1.2	13
17	Neuronal activity in primate prefrontal cortex related to goal-directed behavior during auditory working memory tasks. Brain Research, 2016, 1640, 314-327.	1.1	4
18	Persistent neural activity in auditory cortex is related to auditory working memory in humans and nonhuman primates. ELife, 2016, 5, .	2.8	42

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19	Stimulation of the Dopaminergic Midbrain as a Behavioral Reward in Instrumentally Conditioned Monkeys. <i>Brain Stimulation</i> , 2015, 8, 868-874.	0.7	3
20	The Travelling-Wave Primate System: A New Solution for Magnetic Resonance Imaging of Macaque Monkeys at 7 Tesla Ultra-High Field. <i>PLoS ONE</i> , 2015, 10, e0129371.	1.1	10
21	Auditory cortex 2014 – towards a synthesis of human and animal research. <i>European Journal of Neuroscience</i> , 2015, 41, 515-517.	1.2	1
22	Neuronal activity in primate auditory cortex during the performance of audiovisual tasks. <i>European Journal of Neuroscience</i> , 2015, 41, 603-614.	1.2	19
23	Fast transmission from the dopaminergic ventral midbrain to the sensory cortex of awake primates. <i>Brain Structure and Function</i> , 2015, 220, 3273-3294.	1.2	13
24	Hearing in action; auditory properties of neurons in the red nucleus of alert primates. <i>Frontiers in Neuroscience</i> , 2014, 8, 105.	1.4	3
25	Ultra-high field MRI for primate imaging using the travelling-wave concept. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 389-400.	1.1	5
26	The subcortical auditory structures in the Mongolian gerbil: II. Frequency-related topography of the connections with cortical field AI. <i>Journal of Comparative Neurology</i> , 2013, 521, 2772-2797.	0.9	21
27	Subcortical auditory structures in the mongolian gerbil: I. Golgi architecture. <i>Journal of Comparative Neurology</i> , 2013, 521, 1289-1321.	0.9	19
28	Tactile stimulation and hemispheric asymmetries modulate auditory perception and neural responses in primary auditory cortex. <i>NeuroImage</i> , 2013, 79, 371-382.	2.1	21
29	Different Synchronization Rules in Primary and Nonprimary Auditory Cortex of Monkeys. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1517-1526.	1.1	6
30	Rhythm sensitivity in macaque monkeys. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 49.	1.2	22
31	Task-Related Activation of Auditory Cortex. <i>Springer Handbook of Auditory Research</i> , 2013, , 45-81.	0.3	4
32	Associations and Rewards in Auditory Cortex. , 2013, , 1-4.		0
33	Reaction times reflect subjective auditory perception of tone sequences in macaque monkeys. <i>Hearing Research</i> , 2012, 294, 133-142.	0.9	8
34	Formation of associations in auditory cortex by slow changes of tonic firing. <i>Hearing Research</i> , 2011, 271, 66-73.	0.9	31
35	Behavioral semantics of learning and crossmodal processing in auditory cortex: The semantic processor concept. <i>Hearing Research</i> , 2011, 271, 3-15.	0.9	63
36	Auditory cortex – Current concepts in human and animal research. <i>Hearing Research</i> , 2011, 271, 1-2.	0.9	6

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37	Representation of Reward Feedback in Primate Auditory Cortex. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 5.	1.2	85
38	Tone-sequence analysis in the auditory cortex of awake macaque monkeys. <i>Experimental Brain Research</i> , 2008, 184, 349-361.	0.7	49
39	A multilevel and cross-modal approach towards neuronal mechanisms of auditory streaming. <i>Brain Research</i> , 2008, 1220, 118-131.	1.1	25
40	Click train encoding in primary and non-primary auditory cortex of anesthetized macaque monkeys. <i>Neuroscience</i> , 2008, 153, 1289-1299.	1.1	25
41	The cognitive auditory cortex: Task-specificity of stimulus representations. <i>Hearing Research</i> , 2007, 229, 213-224.	0.9	90
42	Influence of tone duration and intertone interval on the discrimination of frequency contours in a macaque monkey. <i>Neuroscience Letters</i> , 2006, 406, 97-101.	1.0	8
43	Dual Time Scales for Categorical Decision Making in Auditory Cortex. <i>Current Biology</i> , 2006, 16, 2428-2433.	1.8	80
44	Contribution of self-motion perception to acoustic target localization. <i>Acta Oto-Laryngologica</i> , 2005, 125, 524-528.	0.3	8
45	Nonauditory Events of a Behavioral Procedure Activate Auditory Cortex of Highly Trained Monkeys. <i>Journal of Neuroscience</i> , 2005, 25, 6797-6806.	1.7	268
46	Macaque monkeys discriminate pitch relationships. <i>Cognition</i> , 2004, 91, 259-272.	1.1	53
47	Stimulus-Related Gamma Oscillations in Primate Auditory Cortex. <i>Journal of Neurophysiology</i> , 2002, 87, 2715-2725.	0.9	164
48	Neural Representation of Sound Patterns in the Auditory Cortex of Monkeys. <i>Frontiers in Neuroscience</i> , 2002, , .	0.0	1
49	Processing of Sound Sequences in Macaque Auditory Cortex: Response Enhancement. <i>Journal of Neurophysiology</i> , 1999, 82, 1542-1559.	0.9	141
50	Correlations between neural discharges are related to receptive field properties in cat primary auditory cortex. <i>European Journal of Neuroscience</i> , 1999, 11, 3517-3530.	1.2	66
51	Neuronal mechanisms of auditory backward recognition masking in macaque auditory cortex. <i>NeuroReport</i> , 1998, 9, 2551-2555.	0.6	24
52	Time Course of Forward Masking Tuning Curves in Cat Primary Auditory Cortex. <i>Journal of Neurophysiology</i> , 1997, 77, 923-943.	0.9	344
53	Synchronous High-frequency Oscillations in Cat Area 18. <i>European Journal of Neuroscience</i> , 1995, 7, 86-95.	1.2	59
54	Different rules of spatial summation from beyond the receptive field for spike rates and oscillation amplitudes in cat visual cortex. <i>Brain Research</i> , 1995, 669, 291-297.	1.1	45

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55	Coherent oscillations: A mechanism of feature linking in the visual cortex?. Biological Cybernetics, 1988, 60, 121-130.	0.6	2,262