Mike B Calford

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Immediate and chronic changes in responses of somatosensory cortex in adult flying-fox after digit amputation. Nature, 1988, 332, 446-448.	27.8	334
2	A redefinition of somatosensory areas in the lateral sulcus of macaque monkeys. Journal of Neuroscience, 1995, 15, 3821-3839.	3.6	303
3	Monaural inhibition in cat auditory cortex. Journal of Neurophysiology, 1995, 73, 1876-1891.	1.8	263
4	Ascending projections to the medial geniculate body of the cat: evidence for multiple, parallel auditory pathways through thalamus. Journal of Neuroscience, 1983, 3, 2365-2380.	3.6	259
5	Interhemispheric transfer of plasticity in the cerebral cortex. Science, 1990, 249, 805-807.	12.6	190
6	Organization of somatosensory cortex in monotremes: In search of the prototypical plan. Journal of Comparative Neurology, 1995, 351, 261-306.	1.6	171
7	Acute changes in cutaneous receptive fields in primary somatosensory cortex after digit denervation in adult flying fox. Journal of Neurophysiology, 1991, 65, 178-187.	1.8	159
8	Dynamic representational plasticity in sensory cortex. Neuroscience, 2002, 111, 709-738.	2.3	159
9	Level-dependent representation of stimulus frequency in cat primary auditory cortex. Experimental Brain Research, 1994, 102, 210-26.	1.5	151
10	Auditory representation within principal division of cat medial geniculate body: an electrophysiology study Journal of Neurophysiology, 1981, 45, 1013-1028.	1.8	147
11	Immediate Expansion of Receptive Fields of Neurons in Area 3b of Macaque Monkeys after Digit Denervation. Somatosensory & Motor Research, 1991, 8, 249-260.	0.9	145
12	Directionality of sound pressure transformation at the cat's pinna. Hearing Research, 1982, 8, 13-28.	2.0	120
13	An Enriched Environment Improves Sensorimotor Function Post-Ischemic Stroke. Neurorehabilitation and Neural Repair, 2010, 24, 802-813.	2.9	106
14	Rapid changes in the frequency tuning of neurons in cat auditory cortex resulting from pure-tone-induced temporary threshold shift. Neuroscience, 1993, 55, 953-964.	2.3	100
15	Interhemispheric Modulation of Somatosensory Receptive Fields: Evidence for Plasticity in Primary Somatosensory Cortex. Cerebral Cortex, 1996, 6, 196-206.	2.9	100
16	Isofrequency labelling revealed by a combined [14C]-2-deoxyglucose, electrophysiological, and horseradish peroxidase study of the inferior colliculus of the cat. Journal of Comparative Neurology, 1984, 228, 463-477.	1.6	99
17	Five topographically organized fields in the somatosensory cortex of the flying fox: Microelectrode maps, myeloarchitecture, and cortical modules. Journal of Comparative Neurology, 1992, 317, 1-30.	1.6	98
18	Activity-dependent maintenance and growth of dendrites in adult cortex. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4631-4636.	7.1	95

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19	Spatial receptive fields in the cat inferior colliculus. Hearing Research, 1983, 10, 203-215.	2.0	93
20	Visuotopic Reorganization in the Primary Visual Cortex of Adult Cats Following Monocular and Binocular Retinal Lesions. Cerebral Cortex, 1996, 6, 388-405.	2.9	84
21	Measurement of frequency selectivity of single neurons in the central auditory pathway. Hearing Research, 1983, 11, 395-401.	2.0	80
22	Representation of stimulus azimuth by low-frequency neurons in inferior colliculus of the cat. Journal of Neurophysiology, 1985, 53, 43-59.	1.8	79
23	Cortical reorganization consistent with spike timing–but not correlation-dependent plasticity. Nature Neuroscience, 2007, 10, 887-895.	14.8	79
24	Frequency dependence of directional amplification at the cat's pinna. Hearing Research, 1984, 14, 13-19.	2.0	74
25	Topographic Plasticity in Primary Visual Cortex Is Mediated by Local Corticocortical Connections. Journal of Neuroscience, 2003, 23, 6434-6442.	3.6	71
26	A variant of the mammalian somatotopic map in a bat. Nature, 1985, 313, 477-479.	27.8	68
27	Plasticity in adult cat visual cortex (area 17) following circumscribed monocular lesions of all retinal layers. Journal of Physiology, 2000, 524, 587-602.	2.9	66
28	Short-term expansion of receptive fields in rat primary somatosensory cortex after hindpaw digit denervation. Brain Research, 1991, 565, 218-224.	2.2	64
29	Connections of somatosensory cortex in megachiropteran bats: The evolution of cortical fields in mammals. Journal of Comparative Neurology, 1993, 327, 473-506.	1.6	63
30	Avian interaural canal enhances interaural delay. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1988, 162, 503-510.	1.6	62
31	Cellular Distribution of the GABAAReceptor-Modulating 3?-Hydroxy, 5?-Reduced Pregnane Steroids in the Adult Rat Brain. Journal of Neuroendocrinology, 2007, 19, 272-284.	2.6	60
32	Neuronal composition and morphology in layer IV of two vibrissal barrel subfields of rat cortex. Cerebral Cortex, 1997, 7, 422-431.	2.9	53
33	Rewiring the adult brain. Nature, 2005, 438, E3-E3.	27.8	52
34	Monocular focal retinal lesions induce short–term topographic plasticity in adult cat visual cortex. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 499-507.	2.6	50
35	Interhemispheric connections of somatosensory cortex in the flying fox. Journal of Comparative Neurology, 1998, 402, 538-559.	1.6	48
36	A consensus statement on osseoperception. Clinical and Experimental Pharmacology and Physiology, 2005, 32, 145-146.	1.9	48

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37	Retinal detachment induces massive immediate reorganization in visual cortex. NeuroReport, 1995, 6, 1349-1353.	1.2	46
38	Spontaneous and Stimulus-Evoked Intrinsic Optical Signals in Primary Auditory Cortex of the Cat. Journal of Neurophysiology, 2001, 85, 1283-1298.	1.8	46
39	Central and peripheral contributions to coding of acoustic space by neurons in inferior colliculus of cat. Journal of Neurophysiology, 1986, 55, 587-603.	1.8	45
40	Chapter 15 Cortical plasticity revealed by circumscribed retinal lesions or artificial scotomas. Progress in Brain Research, 2001, 134, 217-246.	1.4	43
41	Responsiveness of cat area 17 after monocular inactivation: limitation of topographic plasticity in adult cortex Journal of Physiology, 1995, 482, 589-608.	2.9	36
42	Short-Duration Hypothermia after Ischemic Stroke Prevents Delayed Intracranial Pressure Rise. International Journal of Stroke, 2014, 9, 553-559.	5.9	31
43	Coding of sound location and frequency in the auditory midbrain of diurnal birds of prey, families accipitridae and falconidae. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1985, 157, 149-160.	1.6	29
44	Somatosensory cortical representation in the Australian ghost bat,Macroderma gigas. Journal of Comparative Neurology, 1986, 248, 257-262.	1.6	26
45	Laminar differences in plasticity in area 17 following retinal lesions in kittens or adult cats. European Journal of Neuroscience, 2003, 17, 2351-2368.	2.6	24
46	Constraints on the coding of sound frequency imposed by the avian interaural canal. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1988, 162, 491-502.	1.6	21
47	Neurosteroids Involved in Regulating Inhibition in the Inferior Colliculus. Journal of Neurophysiology, 2006, 96, 3064-3073.	1.8	19
48	Mechanisms for Acute Changes in Sensory Maps. Advances in Experimental Medicine and Biology, 2002, 508, 451-460.	1.6	19
49	Perfusion Computed Tomography Thresholds Defining Ischemic Penumbra and Infarct Core: Studies in a Rat Stroke Model. International Journal of Stroke, 2015, 10, 553-559.	5.9	18
50	Multi-elemental analysis of brain tissue from healthy Wistar rats using sector field inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 1485-1490.	2.9	17
51	Neurosteroids Mediate Habituation and Tonic Inhibition in the Auditory Midbrain. Journal of Neurophysiology, 2001, 86, 1052-1056.	1.8	16
52	Inadvertent Occlusion of the Anterior Choroidal Artery Explains Infarct Variability in the Middle Cerebral Artery Thread Occlusion Stroke Model. PLoS ONE, 2013, 8, e75779.	2.5	15
53	Topographic reorganization in area 18 of adult cats following circumscribed monocular retinal lesions in adolescence. Journal of Physiology, 2002, 541, 601-612.	2.9	13
54	Curious cortical change. Nature, 1991, 352, 759-760.	27.8	11

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55	Spectral hyperacuity in the cat: neural response to frequency modulated tone pairs. Hearing Research, 1989, 41, 237-248.	2.0	8
56	Degree of adaptability of the somatosensory cortex to change: Prospects for integration of bone-mounted dental prostheses. Clinical and Experimental Pharmacology and Physiology, 2005, 32, 115-118.	1.9	8
57	Short-term plasticity in adult somatosensory cortex. Advances in Psychology, 1998, , 299-350.	0.1	6
58	Allopregnanolone and Its Precursor Progesterone Do Not Reduce Injury after Experimental Stroke in Hypertensive Rats – Role of Postoperative Temperature Regulation?. PLoS ONE, 2014, 9, e107752.	2.5	6
59	A psychophysical study of spectral hyperacuity. Hearing Research, 1990, 44, 93-96.	2.0	5
60	The influence of Music on Psychiatric Patients' Immediate Attitude Change Toward Therapists. Journal of Music Therapy, 1982, 19, 179-187.	0.9	4
61	Neuroplasticity and Psychiatry. Australian and New Zealand Journal of Psychiatry, 1998, 32, 119-128.	2.3	4
62	Neural sensitivity to phase of high frequency tones. Hearing Research, 1990, 44, 51-61.	2.0	3
63	Coherence of frequency modulation is encoded by cochlear-generated distortion. Hearing Research, 1992, 58, 213-220.	2.0	2
64	Ab initio and DFT cation affinity study of selected neurosteroids. Computational and Theoretical Chemistry, 2005, 723, 85-93.	1.5	2
65	Processing Strategies in Auditory Cortex: Comparison with Other Sensory Modalities. , 2011, , 643-656.		2
66	Phase effects in forward masking of the compound action potential: a comparison of responses to stimulus and distortion frequencies. Hearing Research, 1995, 91, 110-118.	2.0	0
67	4. Penumbral imaging with computed tomography perfusion in an experimental model of acute stroke. Journal of Clinical Neuroscience, 2010, 17, 1611.	1.5	Ο
68	Jack Pettigrew (1944–2019): An Australian comparative neurologist, and more. Journal of Comparative Neurology, 2020, 528, 2789-2791.	1.6	0
69	Pregnane Steroids and Short-Term Neural Plasticity. , 2008, , 187-200.		0
70	Inhibition and Inhibitory Plasticity in the Mammalian Auditory Midbrain. , 1998, , 23-30.		0
71	Phantom Limb Sensation and Pain. , 2009, , 3138-3140.		0