

# Mike B Calford

## List of Publications by Year in descending order

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71  
papers

4,719  
citations

76196

40  
h-index

106150

65  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immediate and chronic changes in responses of somatosensory cortex in adult flying-fox after digit amputation. <i>Nature</i> , 1988, 332, 446-448.	13.7	334
2	A redefinition of somatosensory areas in the lateral sulcus of macaque monkeys. <i>Journal of Neuroscience</i> , 1995, 15, 3821-3839.	1.7	303
3	Monaural inhibition in cat auditory cortex. <i>Journal of Neurophysiology</i> , 1995, 73, 1876-1891.	0.9	263
4	Ascending projections to the medial geniculate body of the cat: evidence for multiple, parallel auditory pathways through thalamus. <i>Journal of Neuroscience</i> , 1983, 3, 2365-2380.	1.7	259
5	Interhemispheric transfer of plasticity in the cerebral cortex. <i>Science</i> , 1990, 249, 805-807.	6.0	190
6	Organization of somatosensory cortex in monotremes: In search of the prototypical plan. <i>Journal of Comparative Neurology</i> , 1995, 351, 261-306.	0.9	171
7	Acute changes in cutaneous receptive fields in primary somatosensory cortex after digit denervation in adult flying fox. <i>Journal of Neurophysiology</i> , 1991, 65, 178-187.	0.9	159
8	Dynamic representational plasticity in sensory cortex. <i>Neuroscience</i> , 2002, 111, 709-738.	1.1	159
9	Level-dependent representation of stimulus frequency in cat primary auditory cortex. <i>Experimental Brain Research</i> , 1994, 102, 210-26.	0.7	151
10	Auditory representation within principal division of cat medial geniculate body: an electrophysiology study. <i>Journal of Neurophysiology</i> , 1981, 45, 1013-1028.	0.9	147
11	Immediate Expansion of Receptive Fields of Neurons in Area 3b of Macaque Monkeys after Digit Denervation. <i>Somatosensory &amp; Motor Research</i> , 1991, 8, 249-260.	0.4	145
12	Directionality of sound pressure transformation at the cat's pinna. <i>Hearing Research</i> , 1982, 8, 13-28.	0.9	120
13	An Enriched Environment Improves Sensorimotor Function Post-Ischemic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 802-813.	1.4	106
14	Rapid changes in the frequency tuning of neurons in cat auditory cortex resulting from pure-tone-induced temporary threshold shift. <i>Neuroscience</i> , 1993, 55, 953-964.	1.1	100
15	Interhemispheric Modulation of Somatosensory Receptive Fields: Evidence for Plasticity in Primary Somatosensory Cortex. <i>Cerebral Cortex</i> , 1996, 6, 196-206.	1.6	100
16	Isofrequency labelling revealed by a combined [14C]-2-deoxyglucose, electrophysiological, and horseradish peroxidase study of the inferior colliculus of the cat. <i>Journal of Comparative Neurology</i> , 1984, 228, 463-477.	0.9	99
17	Five topographically organized fields in the somatosensory cortex of the flying fox: Microelectrode maps, myeloarchitecture, and cortical modules. <i>Journal of Comparative Neurology</i> , 1992, 317, 1-30.	0.9	98
18	Activity-dependent maintenance and growth of dendrites in adult cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4631-4636.	3.3	95

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19	Spatial receptive fields in the cat inferior colliculus. <i>Hearing Research</i> , 1983, 10, 203-215.	0.9	93
20	Visuotopic Reorganization in the Primary Visual Cortex of Adult Cats Following Monocular and Binocular Retinal Lesions. <i>Cerebral Cortex</i> , 1996, 6, 388-405.	1.6	84
21	Measurement of frequency selectivity of single neurons in the central auditory pathway. <i>Hearing Research</i> , 1983, 11, 395-401.	0.9	80
22	Representation of stimulus azimuth by low-frequency neurons in inferior colliculus of the cat. <i>Journal of Neurophysiology</i> , 1985, 53, 43-59.	0.9	79
23	Cortical reorganization consistent with spike timingâ€“but not correlation-dependent plasticity. <i>Nature Neuroscience</i> , 2007, 10, 887-895.	7.1	79
24	Frequency dependence of directional amplification at the cat's pinna. <i>Hearing Research</i> , 1984, 14, 13-19.	0.9	74
25	Topographic Plasticity in Primary Visual Cortex Is Mediated by Local Corticocortical Connections. <i>Journal of Neuroscience</i> , 2003, 23, 6434-6442.	1.7	71
26	A variant of the mammalian somatotopic map in a bat. <i>Nature</i> , 1985, 313, 477-479.	13.7	68
27	Plasticity in adult cat visual cortex (area 17) following circumscribed monocular lesions of all retinal layers. <i>Journal of Physiology</i> , 2000, 524, 587-602.	1.3	66
28	Short-term expansion of receptive fields in rat primary somatosensory cortex after hindpaw digit denervation. <i>Brain Research</i> , 1991, 565, 218-224.	1.1	64
29	Connections of somatosensory cortex in megachiropteran bats: The evolution of cortical fields in mammals. <i>Journal of Comparative Neurology</i> , 1993, 327, 473-506.	0.9	63
30	Avian interaural canal enhances interaural delay. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1988, 162, 503-510.	0.7	62
31	Cellular Distribution of the GABA <sub>A</sub> Receptor-Modulating 3 $\beta$ -Hydroxy, 5 $\alpha$ -Reduced Pregnane Steroids in the Adult Rat Brain. <i>Journal of Neuroendocrinology</i> , 2007, 19, 272-284.	1.2	60
32	Neuronal composition and morphology in layer IV of two vibrissal barrel subfields of rat cortex. <i>Cerebral Cortex</i> , 1997, 7, 422-431.	1.6	53
33	Rewiring the adult brain. <i>Nature</i> , 2005, 438, E3-E3.	13.7	52
34	Monocular focal retinal lesions induce short-term topographic plasticity in adult cat visual cortex. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 499-507.	1.2	50
35	Interhemispheric connections of somatosensory cortex in the flying fox. <i>Journal of Comparative Neurology</i> , 1998, 402, 538-559.	0.9	48
36	A consensus statement on osseoperception. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005, 32, 145-146.	0.9	48

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37	Retinal detachment induces massive immediate reorganization in visual cortex. <i>NeuroReport</i> , 1995, 6, 1349-1353.	0.6	46
38	Spontaneous and Stimulus-Evoked Intrinsic Optical Signals in Primary Auditory Cortex of the Cat. <i>Journal of Neurophysiology</i> , 2001, 85, 1283-1298.	0.9	46
39	Central and peripheral contributions to coding of acoustic space by neurons in inferior colliculus of cat. <i>Journal of Neurophysiology</i> , 1986, 55, 587-603.	0.9	45
40	Chapter 15 Cortical plasticity revealed by circumscribed retinal lesions or artificial scotomas. <i>Progress in Brain Research</i> , 2001, 134, 217-246.	0.9	43
41	Responsiveness of cat area 17 after monocular inactivation: limitation of topographic plasticity in adult cortex.. <i>Journal of Physiology</i> , 1995, 482, 589-608.	1.3	36
42	Short-Duration Hypothermia after Ischemic Stroke Prevents Delayed Intracranial Pressure Rise. <i>International Journal of Stroke</i> , 2014, 9, 553-559.	2.9	31
43	Coding of sound location and frequency in the auditory midbrain of diurnal birds of prey, families accipitridae and falconidae. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1985, 157, 149-160.	0.7	29
44	Somatosensory cortical representation in the Australian ghost bat, <i>Macroderma gigas</i> . <i>Journal of Comparative Neurology</i> , 1986, 248, 257-262.	0.9	26
45	Laminar differences in plasticity in area 17 following retinal lesions in kittens or adult cats. <i>European Journal of Neuroscience</i> , 2003, 17, 2351-2368.	1.2	24
46	Constraints on the coding of sound frequency imposed by the avian interaural canal. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1988, 162, 491-502.	0.7	21
47	Neurosteroids Involved in Regulating Inhibition in the Inferior Colliculus. <i>Journal of Neurophysiology</i> , 2006, 96, 3064-3073.	0.9	19
48	Mechanisms for Acute Changes in Sensory Maps. <i>Advances in Experimental Medicine and Biology</i> , 2002, 508, 451-460.	0.8	19
49	Perfusion Computed Tomography Thresholds Defining Ischemic Penumbra and Infarct Core: Studies in a Rat Stroke Model. <i>International Journal of Stroke</i> , 2015, 10, 553-559.	2.9	18
50	Multi-elemental analysis of brain tissue from healthy Wistar rats using sector field inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1485-1490.	1.5	17
51	Neurosteroids Mediate Habituation and Tonic Inhibition in the Auditory Midbrain. <i>Journal of Neurophysiology</i> , 2001, 86, 1052-1056.	0.9	16
52	Inadvertent Occlusion of the Anterior Choroidal Artery Explains Infarct Variability in the Middle Cerebral Artery Thread Occlusion Stroke Model. <i>PLoS ONE</i> , 2013, 8, e75779.	1.1	15
53	Topographic reorganization in area 18 of adult cats following circumscribed monocular retinal lesions in adolescence. <i>Journal of Physiology</i> , 2002, 541, 601-612.	1.3	13
54	Curious cortical change. <i>Nature</i> , 1991, 352, 759-760.	13.7	11

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55	Spectral hyperacuity in the cat: neural response to frequency modulated tone pairs. <i>Hearing Research</i> , 1989, 41, 237-248.	0.9	8
56	Degree of adaptability of the somatosensory cortex to change: Prospects for integration of bone-mounted dental prostheses. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005, 32, 115-118.	0.9	8
57	Short-term plasticity in adult somatosensory cortex. <i>Advances in Psychology</i> , 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?. <i>PLoS ONE</i> , 2014, 9, e107752.	1.1	6
59	A psychophysical study of spectral hyperacuity. <i>Hearing Research</i> , 1990, 44, 93-96.	0.9	5
60	The influence of Music on Psychiatric Patients' Immediate Attitude Change Toward Therapists. <i>Journal of Music Therapy</i> , 1982, 19, 179-187.	0.6	4
61	Neuroplasticity and Psychiatry. <i>Australian and New Zealand Journal of Psychiatry</i> , 1998, 32, 119-128.	1.3	4
62	Neural sensitivity to phase of high frequency tones. <i>Hearing Research</i> , 1990, 44, 51-61.	0.9	3
63	Coherence of frequency modulation is encoded by cochlear-generated distortion. <i>Hearing Research</i> , 1992, 58, 213-220.	0.9	2
64	Ab initio and DFT cation affinity study of selected neurosteroids. <i>Computational and Theoretical Chemistry</i> , 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. <i>Hearing Research</i> , 1995, 91, 110-118.	0.9	0
67	4. Penumbra imaging with computed tomography perfusion in an experimental model of acute stroke. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 1611.	0.8	0
68	Jack Pettigrew (1944–2019): An Australian comparative neurologist, and more. <i>Journal of Comparative Neurology</i> , 2020, 528, 2789-2791.	0.9	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