

# Nicholas S C Price

## List of Publications by Year in descending order

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102  
papers

3,621  
citations

136950

32  
h-index

175258

52  
g-index

106  
all docs

106  
docs citations

106  
times ranked

2604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain maps, great and small: lessons from comparative studies of primate visual cortical organization. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 665-691.	4.0	215
2	Managing competing goals – a key role for the frontopolar cortex. <i>Nature Reviews Neuroscience</i> , 2017, 18, 645-657.	10.2	208
3	Hierarchical Development of the Primate Visual Cortex, as Revealed by Neurofilament Immunoreactivity: Early Maturation of the Middle Temporal Area (MT). <i>Cerebral Cortex</i> , 2006, 16, 405-414.	2.9	179
4	A simpler primate brain: the visual system of the marmoset monkey. <i>Frontiers in Neural Circuits</i> , 2014, 8, 96.	2.8	127
5	Connections of the Dorsomedial Visual Area: Pathways for Early Integration of Dorsal and Ventral Streams in Extrastriate Cortex. <i>Journal of Neuroscience</i> , 2009, 29, 4548-4563.	3.6	114
6	Cortical integration in the visual system of the macaque monkey: large-scale morphological differences in the pyramidal neurons in the occipital, parietal and temporal lobes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 1367-1374.	2.6	112
7	Towards a comprehensive atlas of cortical connections in a primate brain: Mapping tracer injection studies of the common marmoset into a reference digital template. <i>Journal of Comparative Neurology</i> , 2016, 524, 2161-2181.	1.6	109
8	Cortical afferents of visual area MT in the <i>Cebus</i> monkey: Possible homologies between New and old World monkeys. <i>Visual Neuroscience</i> , 1993, 10, 827-855.	1.0	107
9	Cytoarchitectonic subdivisions of the dorsolateral frontal cortex of the marmoset monkey ( <i>Callithrix jacchus</i> ), and their projections to dorsal visual areas. <i>Journal of Comparative Neurology</i> , 2006, 495, 149-172.	1.6	103
10	Representation of the visual field in the second visual area in the <i>Cebus</i> monkey. <i>Journal of Comparative Neurology</i> , 1988, 275, 326-345.	1.6	101
11	Visual areas in the dorsal and medial extrastriate cortices of the marmoset. <i>Journal of Comparative Neurology</i> , 1995, 359, 272-299.	1.6	99
12	Contrasting Patterns of Cortical Input to Architectural Subdivisions of the Area 8 Complex: A Retrograde Tracing Study in Marmoset Monkeys. <i>Cerebral Cortex</i> , 2013, 23, 1901-1922.	2.9	91
13	Resolving the organization of the New World monkey third visual complex: The dorsal extrastriate cortex of the marmoset ( <i>Callithrix jacchus</i> ). <i>Journal of Comparative Neurology</i> , 2005, 483, 164-191.	1.6	70
14	Spatial and temporal frequency tuning in striate cortex: functional uniformity and specializations related to receptive field eccentricity. <i>European Journal of Neuroscience</i> , 2010, 31, 1043-1062.	2.6	70
15	A Specialized Area in Limbic Cortex for Fast Analysis of Peripheral Vision. <i>Current Biology</i> , 2012, 22, 1351-1357.	3.9	65
16	Spatial and temporal frequency selectivity of neurons in the middle temporal visual area of new world monkeys ( <i>Callithrix jacchus</i> ). <i>European Journal of Neuroscience</i> , 2007, 25, 1780-1792.	2.6	62
17	The dorsomedial visual areas in New World and Old World monkeys: homology and function. <i>European Journal of Neuroscience</i> , 2001, 13, 421-427.	2.6	61
18	Timescales of Sensory- and Decision-Related Activity in the Middle Temporal and Medial Superior Temporal Areas. <i>Journal of Neuroscience</i> , 2010, 30, 14036-14045.	3.6	54

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19	Representation of the visual field in the primary visual area of the marmoset monkey: Magnification factors, pointâ€image size, and proportionality to retinal ganglion cell density. <i>Journal of Comparative Neurology</i> , 2013, 521, 1001-1019.	1.6	54
20	Topographic and Laminar Maturation of Striate Cortex in Early Postnatal Marmoset Monkeys, as Revealed by Neurofilament Immunohistochemistry. <i>Cerebral Cortex</i> , 2005, 15, 740-748.	2.9	53
21	Neuronal Distribution Across the Cerebral Cortex of the Marmoset Monkey ( <i>Callithrix jacchus</i> ). <i>Cerebral Cortex</i> , 2019, 29, 3836-3863.	2.9	52
22	Topography of claustrum and insula projections to medial prefrontal and anterior cingulate cortices of the common marmoset ( <i>Callithrix jacchus</i> ). <i>Journal of Comparative Neurology</i> , 2017, 525, 1421-1441.	1.6	51
23	Patterns of cortical input to the primary motor area in the marmoset monkey. <i>Journal of Comparative Neurology</i> , 2014, 522, 811-843.	1.6	49
24	The cortical motor system of the marmoset monkey ( <i>Callithrix jacchus</i> ). <i>Neuroscience Research</i> , 2015, 93, 72-81.	1.9	47
25	Cortical and thalamic projections to cytoarchitectural areas 6Va and 8C of the marmoset monkey: Connectionally distinct subdivisions of the lateral premotor cortex. <i>Journal of Comparative Neurology</i> , 2015, 523, 1222-1247.	1.6	44
26	The (un)suitability of modern liquid crystal displays (LCDs) for vision research. <i>Frontiers in Psychology</i> , 2015, 6, 303.	2.1	43
27	Clastrum projections to prefrontal cortex in the capuchin monkey ( <i>Cebus apella</i> ). <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 123.	2.5	42
28	Rapid Adaptation Induces Persistent Biases in Population Codes for Visual Motion. <i>Journal of Neuroscience</i> , 2016, 36, 4579-4590.	3.6	42
29	Preparation for the in vivo recording of neuronal responses in the visual cortex of anaesthetised marmosets ( <i>Callithrix jacchus</i> ). <i>Brain Research Protocols</i> , 2003, 11, 168-177.	1.6	39
30	Resolving the organization of the third tier visual cortex in primates: A hypothesis-based approach. <i>Visual Neuroscience</i> , 2015, 32, E010.	1.0	39
31	Retinotopic organization of the primary visual cortex of flying foxes ( <i>Pteropus poliocephalus</i> and <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	1.6	38
32	Third tier ventral extrastriate cortex in the New World monkey, <i>Cebus apella</i> . <i>Experimental Brain Research</i> , 2000, 132, 287-305.	1.5	38
33	Visually Evoked Responses in Extrastriate Area MT after Lesions of Striate Cortex in Early Life. <i>Journal of Neuroscience</i> , 2013, 33, 12479-12489.	3.6	37
34	CLARIFYING HOMOLOGIES IN THE MAMMALIAN CEREBRAL CORTEX: THE CASE OF THE THIRD VISUAL AREA (V3). <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005, 32, 327-339.	1.9	36
35	Working Memory in the Service of Executive Control Functions. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 166.	2.5	36
36	A collaborative resource platform for non-human primate neuroimaging. <i>NeuroImage</i> , 2021, 226, 117519.	4.2	36

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37	Uniformity and Diversity of Cortical Projections to Precuneate Areas in the Macaque Monkey: What Defines Area PGm?. <i>Cerebral Cortex</i> , 2018, 28, 1700-1717.	2.9	35
38	Structure and function of the middle temporal visual area (MT) in the marmoset: Comparisons with the macaque monkey. <i>Neuroscience Research</i> , 2015, 93, 62-71.	1.9	34
39	Robust Visual Responses and Normal Retinotopy in Primate Lateral Geniculate Nucleus following Long-term Lesions of Striate Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 3955-3970.	3.6	33
40	Organization of visual cortex in the northern quoll, <i>Dasyurus hallucatus</i> : evidence for a homologue of the second visual area in marsupials. <i>European Journal of Neuroscience</i> , 1999, 11, 907-915.	2.6	32
41	Uniformity and diversity of response properties of neurons in the primary visual cortex: Selectivity for orientation, direction of motion, and stimulus size from center to far periphery. <i>Visual Neuroscience</i> , 2014, 31, 85-98.	1.0	29
42	Cortical Afferents and Myeloarchitecture Distinguish the Medial Intraparietal Area (MIP) from Neighboring Subdivisions of the Macaque Cortex. <i>ENeuro</i> , 2017, 4, ENEURO.0344-17.2017.	1.9	29
43	Neuronal degeneration in the dorsal lateral geniculate nucleus following lesions of primary visual cortex: comparison of young adult and geriatric marmoset monkeys. <i>Brain Structure and Function</i> , 2017, 222, 3283-3293.	2.3	27
44	Thalamo-cortical projections to the macaque superior parietal lobule areas PEc and PE. <i>Journal of Comparative Neurology</i> , 2018, 526, 1041-1056.	1.6	26
45	Histology-Based Average Template of the Marmoset Cortex With Probabilistic Localization of Cytoarchitectural Areas. <i>NeuroImage</i> , 2021, 226, 117625.	4.2	25
46	Breaking camouflage: responses of neurons in the middle temporal area to stimuli defined by coherent motion. <i>European Journal of Neuroscience</i> , 2012, 36, 2063-2076.	2.6	22
47	Responses of neurons in the marmoset primary auditory cortex to interaural level differences: comparison of pure tones and vocalizations. <i>Frontiers in Neuroscience</i> , 2015, 9, 132.	2.8	22
48	Direct current stimulation of prefrontal cortex modulates error-induced behavioral adjustments. <i>European Journal of Neuroscience</i> , 2016, 44, 1856-1869.	2.6	22
49	Spatial Summation, End Inhibition and Side Inhibition in the Middle Temporal Visual Area (MT). <i>Journal of Neurophysiology</i> , 2007, 97, 1135-1148.	1.8	21
50	A simple method for creating wide-field visual stimulus for electrophysiology: Mapping and analyzing receptive fields using a hemispheric display. <i>Journal of Vision</i> , 2010, 10, 15-15.	0.3	21
51	Auditory cortex of the marmoset monkey " complex responses to tones and vocalizations under opiate anaesthesia in core and belt areas. <i>European Journal of Neuroscience</i> , 2013, 37, 924-941.	2.6	21
52	Thalamic projections to visual and visuomotor areas (V6 and V6A) in the Rostral Bank of the parieto-occipital sulcus of the Macaque. <i>Brain Structure and Function</i> , 2016, 221, 1573-1589.	2.3	21
53	Sensitivity of neurons in the middle temporal area of marmoset monkeys to random dot motion. <i>Journal of Neurophysiology</i> , 2017, 118, 1567-1580.	1.8	21
54	Auditory and Visual Motion Processing and Integration in the Primate Cerebral Cortex. <i>Frontiers in Neural Circuits</i> , 2018, 12, 93.	2.8	20

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55	High-Expanding Regions in Primate Cortical Brain Evolution Support Supramodal Cognitive Flexibility. <i>Cerebral Cortex</i> , 2019, 29, 3891-3901.	2.9	20
56	The case for a dorsomedial area in the primate "third-tier" visual cortex. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20121372.	2.6	17
57	Neural plasticity following lesions of the primate occipital lobe: The marmoset as an animal model for studies of blindsight. <i>Developmental Neurobiology</i> , 2017, 77, 314-327.	3.0	17
58	Microstimulation-evoked neural responses in visual cortex are depth dependent. <i>Brain Stimulation</i> , 2021, 14, 741-750.	1.6	17
59	The Roots of Alzheimer's Disease: Are High-Expanding Cortical Areas Preferentially Targeted?. <i>Cerebral Cortex</i> , 2015, 25, 2556-2565.	2.9	16
60	Contrast and luminance adaptation alter neuronal coding and perception of stimulus orientation. <i>Nature Communications</i> , 2019, 10, 941.	12.8	16
61	Cortical Afferents of Area 10 in Cebus Monkeys: Implications for the Evolution of the Frontal Pole. <i>Cerebral Cortex</i> , 2019, 29, 1473-1495.	2.9	16
62	Adaptation to direction statistics modulates perceptual discrimination. <i>Journal of Vision</i> , 2012, 12, 32-32.	0.3	15
63	Adaptation to Speed in Macaque Middle Temporal and Medial Superior Temporal Areas. <i>Journal of Neuroscience</i> , 2013, 33, 4359-4368.	3.6	15
64	Improved color constancy in honey bees enabled by parallel visual projections from dorsal ocelli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7713-7718.	7.1	14
65	Age-related plasticity of the axon initial segment of cortical pyramidal cells in marmoset monkeys. <i>Neurobiology of Aging</i> , 2017, 57, 95-103.	3.1	14
66	Correlated Variability in the Neurons With the Strongest Tuning Improves Direction Coding. <i>Cerebral Cortex</i> , 2019, 29, 615-626.	2.9	14
67	A twisted visual field map in the primate dorsomedial cortex predicted by topographic continuity. <i>Science Advances</i> , 2020, 6, .	10.3	14
68	Masking reduces orientation selectivity in rat visual cortex. <i>Journal of Neurophysiology</i> , 2016, 116, 2331-2341.	1.8	13
69	Orientation selectivity in rat primary visual cortex emerges earlier with low-contrast and high-luminance stimuli. <i>European Journal of Neuroscience</i> , 2016, 44, 2759-2773.	2.6	12
70	The impact of early environmental interventions on structural plasticity of the axon initial segment in neocortex. <i>Developmental Psychobiology</i> , 2017, 59, 39-47.	1.6	12
71	Claustral afferents of superior parietal areas P <sub>Ec</sub> and P <sub>E</sub> in the macaque. <i>Journal of Comparative Neurology</i> , 2017, 525, 1475-1488.	1.6	11
72	Relation of koniocellular layers of dorsal lateral geniculate to inferior pulvinar nuclei in common marmosets. <i>European Journal of Neuroscience</i> , 2019, 50, 4004-4017.	2.6	11

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73	In vivo localization of cortical areas using a 3D computerized atlas of the marmoset brain. <i>Brain Structure and Function</i> , 2019, 224, 1957-1969.	2.3	11
74	Altered Sensitivity to Motion of Area MT Neurons Following Long-Term V1 Lesions. <i>Cerebral Cortex</i> , 2020, 30, 451-464.	2.9	11
75	Visual responses of neurones in the second visual area of flying foxes ( <i>Pteropus poliocephalus</i> ) after lesions of striate cortex. <i>Journal of Physiology</i> , 1998, 513, 507-519.	2.9	10
76	Thalamic afferents emphasize the different functions of macaque precuneate areas. <i>Brain Structure and Function</i> , 2020, 225, 853-870.	2.3	10
77	Visual responses in the dorsolateral frontal cortex of marmoset monkeys. <i>Journal of Neurophysiology</i> , 2021, 125, 296-304.	1.8	10
78	Neurochemical changes in the primate lateral geniculate nucleus following lesions of striate cortex in infancy and adulthood: implications for residual vision and blindsight. <i>Brain Structure and Function</i> , 2021, 226, 2763-2775.	2.3	10
79	Topographic Organization of the 'Third-Tier' Dorsomedial Visual Cortex in the Macaque. <i>Journal of Neuroscience</i> , 2019, 39, 5311-5325.	3.6	9
80	Understanding Sensory Information Processing Through Simultaneous Multi-area Population Recordings. <i>Frontiers in Neural Circuits</i> , 2018, 12, 115.	2.8	9
81	Weighting neurons by selectivity produces near-optimal population codes. <i>Journal of Neurophysiology</i> , 2019, 121, 1924-1937.	1.8	8
82	Sensitivity to Vocalization Pitch in the Caudal Auditory Cortex of the Marmoset: Comparison of Core and Belt Areas. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 5.	2.5	8
83	Marmosets: a promising model for probing the neural mechanisms underlying complex visual networks such as the frontal-parietal network. <i>Brain Structure and Function</i> , 2021, 226, 3007-3022.	2.3	8
84	The marmoset as a model for investigating the neural basis of social cognition in health and disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 138, 104692.	6.1	8
85	Remodeling of lateral geniculate nucleus projections to extrastriate area MT following long-term lesions of striate cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	7
86	Neural coding of action in three dimensions: Task- and time-invariant reference frames for visuospatial and motor-related activity in parietal area V6A. <i>Journal of Comparative Neurology</i> , 2020, 528, 3108-3122.	1.6	6
87	Volume reduction without neuronal loss in the primate pulvinar complex following striate cortex lesions. <i>Brain Structure and Function</i> , 2021, 226, 2417-2430.	2.3	6
88	Intracortical current steering shifts the location of evoked neural activity. <i>Journal of Neural Engineering</i> , 2022, 19, 035003.	3.5	6
89	Human-like perceptual masking is difficult to observe in rats performing an orientation discrimination task. <i>PLoS ONE</i> , 2018, 13, e0207179.	2.5	5
90	Auditory motion does not modulate spiking activity in the middle temporal and medial superior temporal visual areas. <i>European Journal of Neuroscience</i> , 2018, 48, 2013-2029.	2.6	5

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91	Natural motion trajectory enhances the coding of speed in primate extrastriate cortex. Scientific Reports, 2016, 6, 19739.	3.3	4
92	Differences in perceptual masking between humans and rats. Brain and Behavior, 2019, 9, e01368.	2.2	4
93	Distributed representation of vocalization pitch in marmoset primary auditory cortex. European Journal of Neuroscience, 2019, 49, 179-198.	2.6	4
94	Testing Neuronal Accounts of Anisotropic Motion Perception with Computational Modelling. PLoS ONE, 2014, 9, e113061.	2.5	3
95	Afferent Connections of Cytoarchitectural Area 6M and Surrounding Cortex in the Marmoset: Putative Homologues of the Supplementary and Pre-supplementary Motor Areas. Cerebral Cortex, 2021, 32, 41-62.	2.9	3
96	Accurate Reading with Sequential Presentation of Single Letters. Frontiers in Neuroscience, 2012, 6, 158.	2.8	2
97	Visual response characteristics of neurons in the second visual area of marmosets. Neural Regeneration Research, 2021, 16, 1871.	3.0	2
98	Claustal Input to the Macaque Medial Posterior Parietal Cortex (Superior Parietal Lobule and) Tj ETQq0 0 0 rgBT /Oygrlock 1Q Tf 50 462	2.9	1
99	Understanding structureâ€™function relationships in the mammalian visual system: part one. Brain Structure and Function, 2021, 226, 2741-2744.	2.3	1
100	Filling in the Visual Gaps: Shifting Cortical Activity using Current Steering. , 2021, 2021, 5733-5736.		1
101	Noisy decision thresholds can account for suboptimal detection of low coherence motion. Scientific Reports, 2016, 6, 18700.	3.3	0
102	Understanding structureâ€™function relationships in the mammalian visual system: part two. Brain Structure and Function, 2022, , .	2.3	0