James A Bourne

List of Publications by Year
in descending order

85 papers	3,256 citations	136740 32 h-index	168136 53 g-index
93 all docs	93 docs citations	93 times ranked	3451 citing authors

#	Article	IF	Citations
1	Hierarchical Development of the Primate Visual Cortex, as Revealed by Neurofilament Immunoreactivity: Early Maturation of the Middle Temporal Area (MT). Cerebral Cortex, 2006, 16, 405-414.	1.6	179
2	SCH 23390: The First Selective Dopamine D₁â€Like Receptor Antagonist. CNS Neuroscience & Therapeutics, 2001, 7, 399-414.	4.0	172
3	Inter-arm differences in blood pressure: when are they clinically significant?. Journal of Hypertension, 2002, 20, 1089-1095.	0.3	147
4	The Early Maturation of Visual Cortical Area MT is Dependent on Input from the Retinorecipient Medial Portion of the Inferior Pulvinar. Journal of Neuroscience, 2012, 32, 17073-17085.	1.7	146
5	Compartmentalization of Cerebral Cortical Germinal Zones in a Lissencephalic Primate and Gyrencephalic Rodent. Cerebral Cortex, 2012, 22, 482-492.	1.6	138
6	Adaptive Pulvinar Circuitry Supports Visual Cognition. Trends in Cognitive Sciences, 2016, 20, 146-157.	4.0	138
7	Connections of the Dorsomedial Visual Area: Pathways for Early Integration of Dorsal and Ventral Streams in Extrastriate Cortex. Journal of Neuroscience, 2009, 29, 4548-4563.	1.7	114
8	Functional Response Properties of Neurons in the Dorsomedial Visual Area of New World Monkeys (Callithrix jacchus). Cerebral Cortex, 2006, 16, 162-177.	1.6	111
9	Retinal afferents synapse with relay cells targeting the middle temporal area in the pulvinar and lateral geniculate nuclei. Frontiers in Neuroanatomy, 2010, 4, 8.	0.9	102
10	Preservation of Vision by the Pulvinar following Early-Life Primary Visual Cortex Lesions. Current Biology, 2015, 25, 424-434.	1.8	99
11	Intracerebral microdialysis: 30 years as a tool for the neuroscientist. Clinical and Experimental Pharmacology and Physiology, 2003, 30, 16-24.	0.9	88
12	Over-expression of RCAN1 causes Down syndrome-like hippocampal deficits that alter learning and memory. Human Molecular Genetics, 2012, 21, 3025-3041.	1.4	71
13	Resolving the organization of the New World monkey third visual complex: The dorsal extrastriate cortex of the marmoset (Callithrix jacchus). Journal of Comparative Neurology, 2005, 483, 164-191.	0.9	70
14	Genetic modulation of TLR8 response following bacterial phagocytosis. Human Mutation, 2010, 31, 1069-1079.	1.1	67
15	Spatial and temporal frequency selectivity of neurons in the middle temporal visual area of new world monkeys (Callithrix jacchus). European Journal of Neuroscience, 2007, 25, 1780-1792.	1.2	62
16	Retrograde transneuronal degeneration in the retina and lateral geniculate nucleus of the V1-lesioned marmoset monkey. Brain Structure and Function, 2015, 220, 351-360.	1.2	56
17	Topographic and Laminar Maturation of Striate Cortex in Early Postnatal Marmoset Monkeys, as Revealed by Neurofilament Immunohistochemistry. Cerebral Cortex, 2005, 15, 740-748.	1.6	53
18	Distribution and morphology of cholinergic, putative catecholaminergic and serotonergic neurons in the brain of the Egyptian rousette flying fox, Rousettus aegyptiacus. Journal of Chemical Neuroanatomy, 2007, 34, 108-127.	1.0	53

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19	Acute or Delayed Systemic Administration of Human Amnion Epithelial Cells Improves Outcomes in Experimental Stroke. Stroke, 2018, 49, 700-709.	1.0	53
20	Transient visual pathway critical for normal development of primate grasping behavior. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1364-1369.	3.3	51
21	The medial pulvinar: function, origin and association with neurodevelopmental disorders. Journal of Anatomy, 2019, 235, 507-520.	0.9	51
22	Unravelling the development of the visual cortex: implications for plasticity and repair. Journal of Anatomy, 2010, 217, 449-468.	0.9	48
23	Visual motion integration by neurons in the middle temporal area of a New World monkey, the marmoset. Journal of Physiology, 2011, 589, 5741-5758.	1.3	46
24	Chemoarchitecture of the middle temporal visual area in the marmoset monkey (Callithrix jacchus): Laminar distribution of calcium-binding proteins (calbindin, parvalbumin) and nonphosphorylated neurofilament. Journal of Comparative Neurology, 2007, 500, 832-849.	0.9	44
25	Upregulation of EphA4 on Astrocytes Potentially Mediates Astrocytic Gliosis after Cortical Lesion in the Marmoset Monkey. Journal of Neurotrauma, 2010, 27, 1321-1332.	1.7	44
26	The Involvement of the Myelin-Associated Inhibitors and Their Receptors in CNS Plasticity and Injury. Molecular Neurobiology, 2018, 55, 1831-1846.	1.9	44
27	Immunohistochemical parcellation of the ferret (<i>Mustela putorius</i>) visual cortex reveals substantial homology with the cat (<i>Felis catus</i>). Journal of Comparative Neurology, 2010, 518, 4439-4462.	0.9	42
28	Binding and agonist/antagonist actions of M35, galanin(1-13)-bradykinin(2-9) amide chimeric peptide, in Rin m 5F insulinoma cells. Regulatory Peptides, 1995, 59, 341-348.	1.9	41
29	Preparation for the in vivo recording of neuronal responses in the visual cortex of anaesthetised marmosets (Callithrix jacchus). Brain Research Protocols, 2003, 11, 168-177.	1.7	39
30	Endogenous neurogenesis following ischaemic brain injury: Insights for therapeutic strategies. International Journal of Biochemistry and Cell Biology, 2014, 56, 4-19.	1.2	36
31	MRI-guided stereotaxic brain surgery in the infant and adult common marmoset. Nature Protocols, 2016, 11, 1299-1308.	5.5	36
32	Unravelling the subcortical and retinal circuitry of the primate inferior pulvinar. Journal of Comparative Neurology, 2019, 527, 558-576.	0.9	35
33	Development of non-phosphorylated neurofilament protein expression in neurones of the New World monkey dorsolateral frontal cortex. European Journal of Neuroscience, 2007, 25, 1767-1779.	1.2	34
34	Physiological Responses of New World Monkey V1 Neurons to Stimuli Defined by Coherent Motion. Cerebral Cortex, 2002, 12, 1132-1145.	1.6	32
35	Mapping the mosaic sequence of primate visual cortical development. Frontiers in Neuroanatomy, 2015, 9, 132.	0.9	30
36	A Reproducible and Translatable Model of Focal Ischemia in the Visual Cortex of Infant and Adult Marmoset Monkeys. Brain Pathology, 2014, 24, 459-474.	2.1	29

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37	Plasticity of Visual Pathways and Function in the Developing Brain: Is the Pulvinar a Crucial Player?. Frontiers in Systems Neuroscience, 2017, 11, 3.	1.2	27
38	Thalamocortical Afferents Innervate the Cortical Subplate much Earlier in Development in Primate than in Rodent. Cerebral Cortex, 2019, 29, 1706-1718.	1.6	26
39	Retinotopic specializations of cortical and thalamic inputs to area MT. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23326-23331.	3.3	24
40	More than blindsight: Case report of a child with extraordinary visual capacity following perinatal bilateral occipital lobe injury. Neuropsychologia, 2019, 128, 178-186.	0.7	24
41	Neurofilament protein expression in the geniculostriate pathway of a New World monkey (Callithrix) Tj ETQq1 1 0.784314 rgBT /Overlo	0.7	23
42	Single-unit responses to kinetic stimuli in New World monkey area V2: Physiological characteristics of cue-invariant neurones. Experimental Brain Research, 2005, 162, 100-108.	0.7	23
43	Breaking camouflage: responses of neurons in the middle temporal area to stimuli defined by coherent motion. European Journal of Neuroscience, 2012, 36, 2063-2076.	1.2	22
44	Extensive Connectivity Between the Medial Pulvinar and the Cortex Revealed in the Marmoset Monkey. Cerebral Cortex, 2020, 30, 1797-1812.	1.6	22
45	Spatial Summation, End Inhibition and Side Inhibition in the Middle Temporal Visual Area (MT). Journal of Neurophysiology, 2007, 97, 1135-1148.	0.9	21
46	Higher order thalamic nuclei resting network connectivity in early schizophrenia and major depressive disorder. Psychiatry Research - Neuroimaging, 2018, 272, 7-16.	0.9	20
47	Laminar expression of neurofilament protein in the superior colliculus of the marmoset monkey (Callithrix jacchus). Brain Research, 2003, 973, 142-145.	1.1	19
48	The Early Postnatal Nonhuman Primate Neocortex Contains Self-Renewing Multipotent Neural Progenitor Cells. PLoS ONE, 2012, 7, e34383.	1.1	19
49	The marmoset: An emerging model to unravel the evolution and development of the primate neocortex. Developmental Neurobiology, 2017, 77, 263-272.	1.5	19
50	The rat temporal association cortical area 2 (Te2) comprises two subdivisions that are visually responsive and develop independently. Neuroscience, 2008, 156, 118-128.	1.1	18
51	Australian Brain Alliance. Neuron, 2016, 92, 597-600.	3.8	18
52	Mapping arealisation of the visual cortex of non-primate species: lessons for development and evolution. Frontiers in Neural Circuits, 2014, 8, 79.	1.4	16
53	The Guidance Molecule Semaphorin3A is Differentially Involved in the Arealization of the Mouse and Primate Neocortex. Cerebral Cortex, 2014, 24, 2884-2898.	1.6	16
54	SCH 23390 affords protection against soman-evoked seizures in the freely moving guinea-pig: a concomitant neurochemical, electrophysiological and behavioural study. Neuropharmacology, 2001, 40, 279-288.	2.0	15

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55	Models of CNS injury in the nonhuman primate: A new era for treatment strategies. Translational Neuroscience, 2012, 3, .	0.7	15
56	Relationship between Size Summation Properties, Contrast Sensitivity and Response Latency in the Dorsomedial and Middle Temporal Areas of the Primate Extrastriate Cortex. PLoS ONE, 2013, 8, e68276.	1.1	15
57	In vivo whole brain, cellular and molecular imaging in nonhuman primate models of neuropathology. Neuroscience and Biobehavioral Reviews, 2016, 66, 104-118.	2.9	15
58	Mapping the neural circuitry of predator fear in the nonhuman primate. Brain Structure and Function, 2021, 226, 195-205.	1.2	15
59	Novel method of monitoring electroencephalography at the site of microdialysis during chemically evoked seizures in a freely moving animal. Journal of Neuroscience Methods, 2000, 99, 85-90.	1.3	14
60	Retinal ganglion cells projecting to superior colliculus and pulvinar in marmoset. Brain Structure and Function, 2021, 226, 2745-2762.	1.2	14
61	NogoA-expressing astrocytes limit peripheral macrophage infiltration after ischemic brain injury in primates. Nature Communications, 2021, 12, 6906.	5.8	14
62	A Hox Code Defines Spinocerebellar Neuron Subtype Regionalization. Cell Reports, 2019, 29, 2408-2421.e4.	2.9	13
63	Sexually dimorphic perineuronal nets in the rodent and primate reproductive circuit. Journal of Comparative Neurology, 2021, 529, 3274-3291.	0.9	13
64	Full: Ontogenesis and development of the nonhuman primate pulvinar. Journal of Comparative Neurology, 2018, 526, 2870-2883.	0.9	12
65	First- and second-order stimulus length selectivity in New World monkey striate cortex. European Journal of Neuroscience, 2004, 19, 169-180.	1.2	11
66	Prehensile kinematics of the marmoset monkey: Implications for the evolution of visuallyâ€guided behaviors. Journal of Comparative Neurology, 2019, 527, 1495-1507.	0.9	11
67	The Age-Dependent Neural Substrates of Blindsight. Trends in Neurosciences, 2020, 43, 242-252.	4.2	11
68	Experience and Latency to Achieve Stereopsis: A Replication. Perceptual and Motor Skills, 1977, 45, 261-262.	0.6	10
69	EphA4 is associated with multiple cell types in the marmoset primary visual cortex throughout the lifespan. European Journal of Neuroscience, 2014, 39, 1419-1428.	1.2	10
70	Ephrin-A2 regulates excitatory neuron differentiation and interneuron migration in the developing neocortex. Scientific Reports, 2017, 7, 11813.	1.6	9
71	Changes in striatal electroencephalography and neurochemistry induced by kainic acid seizures are modified by dopamine receptor antagonists. European Journal of Pharmacology, 2001, 413, 189-198.	1.7	8
72	Anatomical changes in the primary visual cortex of the congenitally blind Crxâˆ'/âˆ' mouse. Neuroscience, 2010, 166, 886-898.	1.1	8

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73	Reduced post-stroke glial scarring in the infant primate brain reflects age-related differences in the regulation of astrogliosis. Neurobiology of Disease, 2018, 111, 1-11.	2.1	8
74	Modelling behaviors relevant to brain disorders in the nonhuman primate: Are we there yet?. Progress in Neurobiology, 2022, 208, 102183.	2.8	8
75	Discrete ephrinâ€B1 expression by specific layers of the primate retinogeniculostriate system continues throughout postnatal and adult life. Journal of Comparative Neurology, 2012, 520, 2941-2956.	0.9	7
76	Current opinion on a role of the astrocytes in neuroprotection. Neural Regeneration Research, 2018, 13, 797.	1.6	7
77	The temporal profile of retinal cell genesis in the marmoset monkey. Journal of Comparative Neurology, 2016, 524, 1193-1207.	0.9	6
78	The Marmoset: The Next Frontier in Understanding the Development of the Human Brain. ILAR Journal, 2020, 61, 248-259.	1.8	6
79	Visual Cortical Area MT Is Required for Development of the Dorsal Stream and Associated Visuomotor Behaviors. Journal of Neuroscience, 2021, 41, 8197-8209.	1.7	6
80	Replicating infant-specific reactive astrocyte functions in the injured adult brain. Progress in Neurobiology, 2021, 204, 102108.	2.8	2
81	Australians rush to reject primate bill. Nature, 2016, 531, 35-35.	13.7	1
82	The medial pulvinar. , 2021, , 347-357.		1
83	954. Higher Order Thalamic Nuclei Resting Network Connectivity in First Episode Schizophrenia and Major Depressive Disorder. Biological Psychiatry, 2017, 81, S386.	0.7	0
84	Cover Image, Volume 526, Issue 17. Journal of Comparative Neurology, 2018, 526, C1.	0.9	0
85	Cover Image, Volume 527, Issue 3. Journal of Comparative Neurology, 2019, 527, C1.	0.9	0