

James A Bourne

List of Publications by Year in descending order

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85
papers

3,256
citations

136950

32
h-index

168389

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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). <i>Cerebral Cortex</i> , 2006, 16, 405-414.	2.9	179
2	SCH 23390: The First Selective Dopamine D ₁ -Like Receptor Antagonist. <i>CNS Neuroscience & Therapeutics</i> , 2001, 7, 399-414.	4.0	172
3	Inter-arm differences in blood pressure: when are they clinically significant?. <i>Journal of Hypertension</i> , 2002, 20, 1089-1095.	0.5	147
4	The Early Maturation of Visual Cortical Area MT is Dependent on Input from the Retinorecipient Medial Portion of the Inferior Pulvinar. <i>Journal of Neuroscience</i> , 2012, 32, 17073-17085.	3.6	146
5	Compartmentalization of Cerebral Cortical Germinal Zones in a Lissencephalic Primate and Gyrencephalic Rodent. <i>Cerebral Cortex</i> , 2012, 22, 482-492.	2.9	138
6	Adaptive Pulvinar Circuitry Supports Visual Cognition. <i>Trends in Cognitive Sciences</i> , 2016, 20, 146-157.	7.8	138
7	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
8	Functional Response Properties of Neurons in the Dorsomedial Visual Area of New World Monkeys (<i>Callithrix jacchus</i>). <i>Cerebral Cortex</i> , 2006, 16, 162-177.	2.9	111
9	Retinal afferents synapse with relay cells targeting the middle temporal area in the pulvinar and lateral geniculate nuclei. <i>Frontiers in Neuroanatomy</i> , 2010, 4, 8.	1.7	102
10	Preservation of Vision by the Pulvinar following Early-Life Primary Visual Cortex Lesions. <i>Current Biology</i> , 2015, 25, 424-434.	3.9	99
11	Intracerebral microdialysis: 30 years as a tool for the neuroscientist. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2003, 30, 16-24.	1.9	88
12	Over-expression of RCAN1 causes Down syndrome-like hippocampal deficits that alter learning and memory. <i>Human Molecular Genetics</i> , 2012, 21, 3025-3041.	2.9	71
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	Genetic modulation of TLR8 response following bacterial phagocytosis. <i>Human Mutation</i> , 2010, 31, 1069-1079.	2.5	67
15	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
16	Retrograde transneuronal degeneration in the retina and lateral geniculate nucleus of the V1-lesioned marmoset monkey. <i>Brain Structure and Function</i> , 2015, 220, 351-360.	2.3	56
17	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
18	Distribution and morphology of cholinergic, putative catecholaminergic and serotonergic neurons in the brain of the Egyptian rousette flying fox, <i>Rousettus aegyptiacus</i> . <i>Journal of Chemical Neuroanatomy</i> , 2007, 34, 108-127.	2.1	53

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19	Acute or Delayed Systemic Administration of Human Amnion Epithelial Cells Improves Outcomes in Experimental Stroke. <i>Stroke</i> , 2018, 49, 700-709.	2.0	53
20	Transient visual pathway critical for normal development of primate grasping behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1364-1369.	7.1	51
21	The medial pulvinar: function, origin and association with neurodevelopmental disorders. <i>Journal of Anatomy</i> , 2019, 235, 507-520.	1.5	51
22	Unravelling the development of the visual cortex: implications for plasticity and repair. <i>Journal of Anatomy</i> , 2010, 217, 449-468.	1.5	48
23	Visual motion integration by neurons in the middle temporal area of a New World monkey, the marmoset. <i>Journal of Physiology</i> , 2011, 589, 5741-5758.	2.9	46
24	Chemoarchitecture of the middle temporal visual area in the marmoset monkey (<i>Callithrix jacchus</i>): Laminar distribution of calcium-binding proteins (calbindin, parvalbumin) and nonphosphorylated neurofilament. <i>Journal of Comparative Neurology</i> , 2007, 500, 832-849.	1.6	44
25	Upregulation of EphA4 on Astrocytes Potentially Mediates Astrocytic Gliosis after Cortical Lesion in the Marmoset Monkey. <i>Journal of Neurotrauma</i> , 2010, 27, 1321-1332.	3.4	44
26	The Involvement of the Myelin-Associated Inhibitors and Their Receptors in CNS Plasticity and Injury. <i>Molecular Neurobiology</i> , 2018, 55, 1831-1846.	4.0	44
27	Immunohistochemical parcellation of the ferret (<i>Mustela putorius</i>) visual cortex reveals substantial homology with the cat (<i>Felis catus</i>). <i>Journal of Comparative Neurology</i> , 2010, 518, 4439-4462.	1.6	42
28	Binding and agonist/antagonist actions of M35, galanin(1-13)-bradykinin(2-9) amide chimeric peptide, in Rin m 5F insulinoma cells. <i>Regulatory Peptides</i> , 1995, 59, 341-348.	1.9	41
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	Endogenous neurogenesis following ischaemic brain injury: Insights for therapeutic strategies. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 56, 4-19.	2.8	36
31	MRI-guided stereotaxic brain surgery in the infant and adult common marmoset. <i>Nature Protocols</i> , 2016, 11, 1299-1308.	12.0	36
32	Unravelling the subcortical and retinal circuitry of the primate inferior pulvinar. <i>Journal of Comparative Neurology</i> , 2019, 527, 558-576.	1.6	35
33	Development of non-phosphorylated neurofilament protein expression in neurones of the New World monkey dorsolateral frontal cortex. <i>European Journal of Neuroscience</i> , 2007, 25, 1767-1779.	2.6	34
34	Physiological Responses of New World Monkey V1 Neurons to Stimuli Defined by Coherent Motion. <i>Cerebral Cortex</i> , 2002, 12, 1132-1145.	2.9	32
35	Mapping the mosaic sequence of primate visual cortical development. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 132.	1.7	30
36	A Reproducible and Translatable Model of Focal Ischemia in the Visual Cortex of Infant and Adult Marmoset Monkeys. <i>Brain Pathology</i> , 2014, 24, 459-474.	4.1	29

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37	Plasticity of Visual Pathways and Function in the Developing Brain: Is the Pulvinar a Crucial Player?. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 3.	2.5	27
38	Thalamocortical Afferents Innervate the Cortical Subplate much Earlier in Development in Primate than in Rodent. <i>Cerebral Cortex</i> , 2019, 29, 1706-1718.	2.9	26
39	Retinotopic specializations of cortical and thalamic inputs to area MT. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23326-23331.	7.1	24
40	More than blindsight: Case report of a child with extraordinary visual capacity following perinatal bilateral occipital lobe injury. <i>Neuropsychologia</i> , 2019, 128, 178-186.	1.6	24
41	Neurofilament protein expression in the geniculostriate pathway of a New World monkey (<i>Callithrix</i>) Tj ETQq1 1 0.784314 rgBT /Over	1.5	23
42	Single-unit responses to kinetic stimuli in New World monkey area V2: Physiological characteristics of cue-invariant neurones. <i>Experimental Brain Research</i> , 2005, 162, 100-108.	1.5	23
43	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
44	Extensive Connectivity Between the Medial Pulvinar and the Cortex Revealed in the Marmoset Monkey. <i>Cerebral Cortex</i> , 2020, 30, 1797-1812.	2.9	22
45	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
46	Higher order thalamic nuclei resting network connectivity in early schizophrenia and major depressive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2018, 272, 7-16.	1.8	20
47	Laminar expression of neurofilament protein in the superior colliculus of the marmoset monkey (<i>Callithrix jacchus</i>). <i>Brain Research</i> , 2003, 973, 142-145.	2.2	19
48	The Early Postnatal Nonhuman Primate Neocortex Contains Self-Renewing Multipotent Neural Progenitor Cells. <i>PLoS ONE</i> , 2012, 7, e34383.	2.5	19
49	The marmoset: An emerging model to unravel the evolution and development of the primate neocortex. <i>Developmental Neurobiology</i> , 2017, 77, 263-272.	3.0	19
50	The rat temporal association cortical area 2 (Te2) comprises two subdivisions that are visually responsive and develop independently. <i>Neuroscience</i> , 2008, 156, 118-128.	2.3	18
51	Australian Brain Alliance. <i>Neuron</i> , 2016, 92, 597-600.	8.1	18
52	Mapping arealisation of the visual cortex of non-primate species: lessons for development and evolution. <i>Frontiers in Neural Circuits</i> , 2014, 8, 79.	2.8	16
53	The Guidance Molecule Semaphorin3A is Differentially Involved in the Arealization of the Mouse and Primate Neocortex. <i>Cerebral Cortex</i> , 2014, 24, 2884-2898.	2.9	16
54	SCH 23390 affords protection against soman-evoked seizures in the freely moving guinea-pig: a concomitant neurochemical, electrophysiological and behavioural study. <i>Neuropharmacology</i> , 2001, 40, 279-288.	4.1	15

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55	Models of CNS injury in the nonhuman primate: A new era for treatment strategies. <i>Translational Neuroscience</i> , 2012, 3, .	1.4	15
56	Relationship between Size Summation Properties, Contrast Sensitivity and Response Latency in the Dorsomedial and Middle Temporal Areas of the Primate Extrastriate Cortex. <i>PLoS ONE</i> , 2013, 8, e68276.	2.5	15
57	In vivo whole brain, cellular and molecular imaging in nonhuman primate models of neuropathology. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 66, 104-118.	6.1	15
58	Mapping the neural circuitry of predator fear in the nonhuman primate. <i>Brain Structure and Function</i> , 2021, 226, 195-205.	2.3	15
59	Novel method of monitoring electroencephalography at the site of microdialysis during chemically evoked seizures in a freely moving animal. <i>Journal of Neuroscience Methods</i> , 2000, 99, 85-90.	2.5	14
60	Retinal ganglion cells projecting to superior colliculus and pulvinar in marmoset. <i>Brain Structure and Function</i> , 2021, 226, 2745-2762.	2.3	14
61	NogoA-expressing astrocytes limit peripheral macrophage infiltration after ischemic brain injury in primates. <i>Nature Communications</i> , 2021, 12, 6906.	12.8	14
62	A Hox Code Defines Spinocerebellar Neuron Subtype Regionalization. <i>Cell Reports</i> , 2019, 29, 2408-2421.e4.	6.4	13
63	Sexually dimorphic perineuronal nets in the rodent and primate reproductive circuit. <i>Journal of Comparative Neurology</i> , 2021, 529, 3274-3291.	1.6	13
64	Full: Ontogenesis and development of the nonhuman primate pulvinar. <i>Journal of Comparative Neurology</i> , 2018, 526, 2870-2883.	1.6	12
65	First- and second-order stimulus length selectivity in New World monkey striate cortex. <i>European Journal of Neuroscience</i> , 2004, 19, 169-180.	2.6	11
66	Prehensile kinematics of the marmoset monkey: Implications for the evolution of visually guided behaviors. <i>Journal of Comparative Neurology</i> , 2019, 527, 1495-1507.	1.6	11
67	The Age-Dependent Neural Substrates of Blindsight. <i>Trends in Neurosciences</i> , 2020, 43, 242-252.	8.6	11
68	Experience and Latency to Achieve Stereopsis: A Replication. <i>Perceptual and Motor Skills</i> , 1977, 45, 261-262.	1.3	10
69	EphA4 is associated with multiple cell types in the marmoset primary visual cortex throughout the lifespan. <i>European Journal of Neuroscience</i> , 2014, 39, 1419-1428.	2.6	10
70	Ephrin-A2 regulates excitatory neuron differentiation and interneuron migration in the developing neocortex. <i>Scientific Reports</i> , 2017, 7, 11813.	3.3	9
71	Changes in striatal electroencephalography and neurochemistry induced by kainic acid seizures are modified by dopamine receptor antagonists. <i>European Journal of Pharmacology</i> , 2001, 413, 189-198.	3.5	8
72	Anatomical changes in the primary visual cortex of the congenitally blind <i>Crx</i> ^{-/-} mouse. <i>Neuroscience</i> , 2010, 166, 886-898.	2.3	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. <i>Neurobiology of Disease</i> , 2018, 111, 1-11.	4.4	8
74	Modelling behaviors relevant to brain disorders in the nonhuman primate: Are we there yet?. <i>Progress in Neurobiology</i> , 2022, 208, 102183.	5.7	8
75	Discrete ephrinâ€1 expression by specific layers of the primate retinogeniculostrate system continues throughout postnatal and adult life. <i>Journal of Comparative Neurology</i> , 2012, 520, 2941-2956.	1.6	7
76	Current opinion on a role of the astrocytes in neuroprotection. <i>Neural Regeneration Research</i> , 2018, 13, 797.	3.0	7
77	The temporal profile of retinal cell genesis in the marmoset monkey. <i>Journal of Comparative Neurology</i> , 2016, 524, 1193-1207.	1.6	6
78	The Marmoset: The Next Frontier in Understanding the Development of the Human Brain. <i>ILAR Journal</i> , 2020, 61, 248-259.	1.8	6
79	Visual Cortical Area MT Is Required for Development of the Dorsal Stream and Associated Visuomotor Behaviors. <i>Journal of Neuroscience</i> , 2021, 41, 8197-8209.	3.6	6
80	Replicating infant-specific reactive astrocyte functions in the injured adult brain. <i>Progress in Neurobiology</i> , 2021, 204, 102108.	5.7	2
81	Australians rush to reject primate bill. <i>Nature</i> , 2016, 531, 35-35.	27.8	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. <i>Biological Psychiatry</i> , 2017, 81, S386.	1.3	0
84	Cover Image, Volume 526, Issue 17. <i>Journal of Comparative Neurology</i> , 2018, 526, C1.	1.6	0
85	Cover Image, Volume 527, Issue 3. <i>Journal of Comparative Neurology</i> , 2019, 527, C1.	1.6	0