

Arthur Brown

List of Publications by Year in descending order

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65
papers

3,297
citations

126907

33
h-index

149698

56
g-index

65
all docs

65
docs citations

65
times ranked

3982
citing authors

#	ARTICLE	IF	CITATIONS
1	Topographic Mapping from the Retina to the Midbrain Is Controlled by Relative but Not Absolute Levels of EphA Receptor Signaling. <i>Cell</i> , 2000, 102, 77-88.	28.9	338
2	The mouse dystonia musculorum gene is a neural isoform of bullous pemphigoid antigen 1. <i>Nature Genetics</i> , 1995, 10, 301-306.	21.4	249
3	A transgene containing lacZ inserted into the dystonia locus is expressed in neural tube. <i>Nature</i> , 1988, 335, 435-437.	27.8	201
4	Repeated Mild Lateral Fluid Percussion Brain Injury in the Rat Causes Cumulative Long-Term Behavioral Impairments, Neuroinflammation, and Cortical Loss in an Animal Model of Repeated Concussion. <i>Journal of Neurotrauma</i> , 2012, 29, 281-294.	3.4	155
5	Microglia-derived TNF α induces apoptosis in neural precursor cells via transcriptional activation of the Bcl-2 family member Puma. <i>Cell Death and Disease</i> , 2013, 4, e538-e538.	6.3	112
6	Transcriptional regulation of scar gene expression in primary astrocytes. <i>Glia</i> , 2007, 55, 1145-1155.	4.9	106
7	Autonomic dysreflexia after spinal cord injury: central mechanisms and strategies for prevention. <i>Progress in Brain Research</i> , 2006, 152, 245-263.	1.4	103
8	Segregation of Axial Motor and Sensory Pathways via Heterotypic Trans-Axonal Signaling. <i>Science</i> , 2008, 320, 233-236.	12.6	90
9	Expression of the Tyro4/Mek4/Cek4 Gene Specifically Marks a Subset of Embryonic Motor Neurons and Their Muscle Targets. <i>Molecular and Cellular Neurosciences</i> , 1996, 7, 62-74.	2.2	86
10	NGF message and protein distribution in the injured rat spinal cord. <i>Experimental Neurology</i> , 2004, 188, 115-127.	4.1	86
11	Multiparametric MRI changes persist beyond recovery in concussed adolescent hockey players. <i>Neurology</i> , 2017, 89, 2157-2166.	1.1	83
12	A CD11d Monoclonal Antibody Treatment Reduces Tissue Injury and Improves Neurological Outcome after Fluid Percussion Brain Injury in Rats. <i>Journal of Neurotrauma</i> , 2012, 29, 2375-2392.	3.4	77
13	Large animal and primate models of spinal cord injury for the testing of novel therapies. <i>Experimental Neurology</i> , 2015, 269, 154-168.	4.1	75
14	Conditional <i>Sox9</i> ablation reduces chondroitin sulfate proteoglycan levels and improves motor function following spinal cord injury. <i>Glia</i> , 2013, 61, 164-177.	4.9	70
15	A critical role for the EphA3 receptor tyrosine kinase in heart development. <i>Developmental Biology</i> , 2007, 302, 66-79.	2.0	69
16	The dark side of neuroplasticity. <i>Experimental Neurology</i> , 2012, 235, 133-141.	4.1	69
17	Treatment with an anti-CD11d integrin antibody reduces neuroinflammation and improves outcome in a rat model of repeated concussion. <i>Journal of Neuroinflammation</i> , 2013, 10, 26.	7.2	66
18	Metalloproteinase inhibition prevents inhibitory synapse reorganization and seizure genesis. <i>Neurobiology of Disease</i> , 2014, 70, 21-31.	4.4	62

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19	Cloning and Characterization of the Neural Isoforms of Human Dystonin. <i>Genomics</i> , 1995, 29, 777-780.	2.9	55
20	Dystonin Expression in the Developing Nervous System Predominates in the Neurons That Degenerate in dystonia musculorum Mutant Mice. <i>Molecular and Cellular Neurosciences</i> , 1995, 6, 509-520.	2.2	55
21	CD11d integrin blockade reduces the systemic inflammatory response syndrome after spinal cord injury. <i>Experimental Neurology</i> , 2011, 231, 272-283.	4.1	54
22	Temporal changes in monocyte and macrophage subsets and microglial macrophages following spinal cord injury in the lys-egfp-ki mouse model. <i>Journal of Neuroimmunology</i> , 2013, 261, 7-20.	2.3	54
23	Differential Detection and Distribution of Microglial and Hematogenous Macrophage Populations in the Injured Spinal Cord of <i>lys-EGFP-ki</i> Transgenic Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012, 71, 180-197.	1.7	53
24	CD11d integrin blockade reduces the systemic inflammatory response syndrome after traumatic brain injury in rats. <i>Experimental Neurology</i> , 2015, 271, 409-422.	4.1	49
25	Cloning of a Novel Prolyl 4-Hydroxylase Subunit Expressed in the Fibrous Cap of Human Atherosclerotic Plaque. <i>Circulation</i> , 2003, 108, 508-511.	1.6	48
26	A Selective Phosphodiesterase-4 Inhibitor Reduces Leukocyte Infiltration, Oxidative Processes, and Tissue Damage after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 1035-1049.	3.4	45
27	Pathologic Thr ¹⁷⁵ tau phosphorylation in CTE and CTE with ALS. <i>Neurology</i> , 2018, 90, e380-e387.	1.1	45
28	Metabolomics profiling of concussion in adolescent male hockey players: a novel diagnostic method. <i>Metabolomics</i> , 2016, 12, 1.	3.0	43
29	The Use of Cellular Magnetic Resonance Imaging to Track the Fate of Iron-Labeled Multipotent Stromal Cells after Direct Transplantation in a Mouse Model of Spinal Cord Injury. <i>Molecular Imaging and Biology</i> , 2011, 13, 702-711.	2.6	42
30	Autonomic dysreflexia in a mouse model of spinal cord injury. <i>Neuroscience</i> , 2001, 108, 687-693.	2.3	40
31	The Systemic Inflammatory Response after Spinal Cord Injury in the Rat Is Decreased by $\alpha 4\beta 1$ Integrin Blockade. <i>Journal of Neurotrauma</i> , 2012, 29, 1626-1637.	3.4	40
32	CD11d Antibody Treatment Improves Recovery in Spinal Cord-Injured Mice. <i>Journal of Neurotrauma</i> , 2012, 29, 539-550.	3.4	36
33	Polysialylated NCAM and EphrinA/EphA Regulate Synaptic Development of GABAergic Interneurons in Prefrontal Cortex. <i>Cerebral Cortex</i> , 2013, 23, 162-177.	2.9	36
34	The Genomic Structure of an Insertional Mutation in the Dystonia Musculorum Locus. <i>Genomics</i> , 1994, 20, 371-376.	2.9	33
35	Repetitive mild traumatic brain injury in mice triggers a slowly developing cascade of long-term and persistent behavioral deficits and pathological changes. <i>Acta Neuropathologica Communications</i> , 2021, 9, 60.	5.2	31
36	Schwann Cell Coculture Improves the Therapeutic Effect of Bone Marrow Stromal Cells on Recovery in Spinal Cord-Injured Mice. <i>Cell Transplantation</i> , 2011, 20, 1065-1086.	2.5	30

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37	Autonomic dysreflexia after spinal cord transection or compression in 129Sv, C57BL, and Wallerian degeneration slow mutant mice. <i>Experimental Neurology</i> , 2003, 183, 136-146.	4.1	27
38	<i>In Vivo</i> Magnetic Resonance Imaging of Spinal Cord Injury in the Mouse. <i>Journal of Neurotrauma</i> , 2009, 26, 753-762.	3.4	26
39	NGF mRNA is expressed in the dorsal root ganglia after spinal cord injury in the rat. <i>Experimental Neurology</i> , 2007, 205, 283-286.	4.1	25
40	Estrogen reduces the severity of autonomic dysfunction in spinal cord-injured male mice. <i>Behavioural Brain Research</i> , 2006, 171, 338-349.	2.2	24
41	Reduced brain glutamine in female varsity rugby athletes after concussion and in non-concussed athletes after a season of play. <i>Human Brain Mapping</i> , 2018, 39, 1489-1499.	3.6	24
42	Conditional Sox9 ablation improves locomotor recovery after spinal cord injury by increasing reactive sprouting. <i>Experimental Neurology</i> , 2016, 283, 1-15.	4.1	22
43	EphA3 Null Mutants Do Not Demonstrate Motor Axon Guidance Defects. <i>Molecular and Cellular Biology</i> , 2003, 23, 8092-8098.	2.3	21
44	Longitudinal changes of brain microstructure and function in nonconcussed female rugby players. <i>Neurology</i> , 2020, 95, e402-e412.	1.1	20
45	Sox9 knockout mice have improved recovery following stroke. <i>Experimental Neurology</i> , 2018, 303, 59-71.	4.1	19
46	Linked MRI signatures of the brain's acute and persistent response to concussion in female varsity rugby players. <i>NeuroImage: Clinical</i> , 2019, 21, 101627.	2.7	19
47	Differential gene expression profiles in embryonic, adult-injured and adult-uninjured rat spinal cords. <i>Molecular and Cellular Neurosciences</i> , 2003, 24, 555-567.	2.2	17
48	Gene expression profiling in anti-CD11d mAb-treated spinal cord-injured rats. <i>Journal of Neuroimmunology</i> , 2009, 209, 104-113.	2.3	15
49	Human Spinal Cord Injury Causes Specific Increases in Surface Expression of Beta Integrins on Leukocytes. <i>Journal of Neurotrauma</i> , 2011, 28, 269-280.	3.4	15
50	Human homolog of a mouse sequence from the dystonia musculorum locus is on Chromosome 6p12. <i>Mammalian Genome</i> , 1994, 5, 434-437.	2.2	14
51	Dystonin transcripts are altered and their levels are reduced in the mouse neurological mutant dt24j. <i>Biochemistry and Cell Biology</i> , 1995, 73, 605-609.	2.0	14
52	Chronic Contusion Spinal Cord Injury Impairs Ejaculatory Reflexes in Male Rats: Partial Recovery by Systemic Infusions of Dopamine D3 Receptor Agonist 7OHDPAT. <i>Journal of Neurotrauma</i> , 2016, 33, 943-953.	3.4	14
53	The Loss of ATRX Increases Susceptibility to Pancreatic Injury and Oncogenic KRAS in Female But Not Male Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 93-113.	4.5	14
54	The effectiveness of the anti-CD11d treatment is reduced in rat models of spinal cord injury that produce significant levels of intraspinal hemorrhage. <i>Experimental Neurology</i> , 2017, 295, 125-134.	4.1	12

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55	β2 Integrin CD11d/CD18: From Expression to an Emerging Role in Staged Leukocyte Migration. <i>Frontiers in Immunology</i> , 2021, 12, 775447.	4.8	11
56	Genetic approaches to autonomic dysreflexia. <i>Progress in Brain Research</i> , 2006, 152, 299-313.	1.4	10
57	The putative tumor suppressor gene EphA3 fails to demonstrate a crucial role in murine lung tumorigenesis or morphogenesis. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 393-401.	2.4	9
58	Investigation of the role of tyrosine kinase receptor EPHA3 in colorectal cancer. <i>Scientific Reports</i> , 2017, 7, 41576.	3.3	9
59	Anti-Chondroitin Sulfate Proteoglycan Strategies in Spinal Cord Injury: Temporal and Spatial Considerations Explain the Balance between Neuroplasticity and Neuroprotection. <i>Journal of Neurotrauma</i> , 2018, 35, 1958-1969.	3.4	7
60	Neurite orientation dispersion and density imaging in a rodent model of acute mild traumatic brain injury. <i>Journal of Neuroimaging</i> , 2021, 31, 879-892.	2.0	6
61	Anti-CD11d monoclonal antibody treatment for rat spinal cord compression injury. <i>Experimental Neurology</i> , 2012, 233, 612-614.	4.1	5
62	Brain Metabolite Levels in Sedentary Women and Non-contact Athletes Differ From Contact Athletes. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 593498.	2.0	5
63	Test-retest reproducibility of in vivo oscillating gradient and microscopic anisotropy diffusion MRI in mice at 9.4 Tesla. <i>PLoS ONE</i> , 2021, 16, e0255711.	2.5	5
64	Evaluation of the Calmodulin-SOX9 Interaction by Magnetic Fishing-Coupled to Mass Spectrometry. <i>ChemBioChem</i> , 2014, 15, 2411-2419.	2.6	1
65	Test-Retest Reproducibility of In Vivo Magnetization Transfer Ratio and Saturation Index in Mice at 9.4 Tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 893-903.	3.4	1