Bryce Vissel

List of Publications by Year
in descending order

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83	6,272	57758	71685
papers	citations	44 h-index	76 g-index

84	84	84	8599
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inhaled Anesthetics and Immobility: Mechanisms, Mysteries, and Minimum Alveolar Anesthetic Concentration. Anesthesia and Analgesia, 2003, 97, 718-740.	2.2	265
2	Neuroinflammation and Neuronal Loss Precede AÎ² Plaque Deposition in the hAPP-J20 Mouse Model of Alzheimerâ€™s Disease. PLoS ONE, 2013, 8, e59586.	2.5	262
3	Interactions of Calmodulin and Î±-Actinin with the NR1 Subunit Modulate Ca²⁺-Dependent Inactivation of NMDA Receptors. Journal of Neuroscience, 1999, 19, 1165-1178.	3.6	256
4	A survey of the genomic distribution of alpha satellite DNA on all the human chromosomes, and derivation of a new consensus sequence. Nucleic Acids Research, 1991, 19, 1179-1182.	14.5	249
5	Inconsistencies and Controversies Surrounding the Amyloid Hypothesis of Alzheimer's Disease. Acta Neuropathologica Communications, 2014, 2, 135.	5.2	246
6	A use-dependent tyrosine dephosphorylation of NMDA receptors is independent of ion flux. Nature Neuroscience, 2001, 4, 587-596.	14.8	237
7	Microglia: A new frontier for synaptic plasticity, learning and memory, and neurodegenerative disease research. Neurobiology of Learning and Memory, 2013, 105, 40-53.	1.9	209
8	The roles of TNF in brain dysfunction and disease. , 2010, 128, 519-548.		190
9	Inconsistencies and controversies surrounding the Amyloid Hypothesis of AlzheimerÂ¿s disease. Acta Neuropathologica Communications, 2014, 2, 135.	5.2	186
10	A Study of Clustered Data and Approaches to Its Analysis. Journal of Neuroscience, 2010, 30, 10601-10608.	3.6	184
11	Adeno-associated virus effectively mediates conditional gene modification in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2320-2325.	7.1	175
12	A Conditional Deletion of the NR1 Subunit of the NMDA Receptor in Adult Spinal Cord Dorsal Horn Reduces NMDA Currents and Injury-Induced Pain. Journal of Neuroscience, 2003, 23, 5031-5040.	3.6	174
13	The essential role of AMPA receptor GluR2 subunit RNA editing in the normal and diseased brain. Frontiers in Molecular Neuroscience, 2012, 5, 34.	2.9	170
14	N-Terminal Domains in the NR2 Subunit Control Desensitization of NMDA Receptors. Neuron, 1998, 20, 317-327.	8.1	160
15	Questions concerning the role of amyloid-Î² in the definition, aetiology and diagnosis of Alzheimerâ€™s disease. Acta Neuropathologica, 2018, 136, 663-689.	7.7	151
16	Prefrontal microcircuit underlies contextual learning after hippocampal loss. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9938-9943.	7.1	139
17	The Role of RNA Editing of Kainate Receptors in Synaptic Plasticity and Seizures. Neuron, 2001, 29, 217-227.	8.1	135
18	Aberrant Formation of Glutamate Receptor Complexes in Hippocampal Neurons of Mice Lacking the GluR2 AMPA Receptor Subunit. Journal of Neuroscience, 2003, 23, 9367-9373.	3.6	132

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19	Mouse major (Î³) satellite DNA is highly conserved and organized into extremely long tandem arrays: Implications for recombination between nonhomologous chromosomes. Genomics, 1989, 5, 407-414.	2.9	121
20	Calcineurin acts via the C-terminus of NR2A to modulate desensitization of NMDA receptors. Neuropharmacology, 2002, 42, 593-602.	4.1	98
21	Homologous alpha satellite sequences on human acrocentric chromosomes with selectivity for chromosomes 13, 14 and 21: implications for recombination between nonhomologues and Robertsonian translocations. Nucleic Acids Research, 1988, 16, 1273-1284.	14.5	96
22	A Comparative Study of Variables Influencing Ischemic Injury in the Longa and Koizumi Methods of Intraluminal Filament Middle Cerebral Artery Occlusion in Mice. PLoS ONE, 2016, 11, e0148503.	2.5	96
23	A Role for Calcium-Permeable AMPA Receptors in Synaptic Plasticity and Learning. PLoS ONE, 2010, 5, e12818.	2.5	94
24	Long-range analyses of the centromeric regions of human chromosomes 13, 14 and 21: identification of a narrow domain containing two key centromeric DNA elements. Human Molecular Genetics, 1993, 2, 1639-1649.	2.9	91
25	Pathobiology of dynorphins in trauma and disease. Frontiers in Bioscience - Landmark, 2005, 10, 216.	3.0	89
26	Excess cerebral TNF causing glutamate excitotoxicity rationalizes treatment of neurodegenerative diseases and neurogenic pain by anti-TNF agents. Journal of Neuroinflammation, 2016, 13, 236.	7.2	89
27	Functional expression of distinct NMDA channel subunits tagged with green fluorescent protein in hippocampal neurons in culture. Neuropharmacology, 2002, 42, 306-318.	4.1	82
28	Identification of two distinct subfamilies of alpha satellite DNA that are highly specific for human chromosome 15. Genomics, 1990, 7, 143-151.	2.9	81
29	Purkinje Cell Synapses Target Physiologically Unique Brainstem Neurons. Journal of Neuroscience, 2003, 23, 6392-6398.	3.6	80
30	Long-Term Potentiation in the Hippocampal CA1 Region Does Not Require Insertion and Activation of GluR2-Lacking AMPA Receptors. Journal of Neurophysiology, 2007, 98, 2488-2492.	1.8	80
31	The Role of Neurogenesis in Neurodegenerative Diseases and its Implications for Therapeutic Development. CNS and Neurological Disorders - Drug Targets, 2008, 7, 187-210.	1.4	78
32	Concordant Epigenetic Silencing of Transforming Growth Factor-Î² Signaling Pathway Genes Occurs Early in Breast Carcinogenesis. Cancer Research, 2007, 67, 11517-11527.	0.9	76
33	Inflammation-sleep interface in brain disease: TNF, insulin, orexin. Journal of Neuroinflammation, 2014, 11, 51.	7.2	76
34	Human alpha satellite DNA - consensus sequence and conserved regions. Nucleic Acids Research, 1987, 15, 6751-6752.	14.5	72
35	Advances in non-dopaminergic treatments for Parkinson's disease. Frontiers in Neuroscience, 2014, 8, 113.	2.8	72
36	Amyloid Î²: one of three dangerâ€associated molecules that are secondary inducers of the proinflammatory cytokines that mediate <scp>A</scp>lzheimer's disease. British Journal of Pharmacology, 2015, 172, 3714-3727.	5.4	71

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37	Activin A Is Essential for Neurogenesis Following Neurodegeneration. Stem Cells, 2009, 27, 1330-1346.	3.2	66
38	Tumor Necrosis Factor-Induced Cerebral Insulin Resistance in Alzheimer's Disease Links Numerous Treatment Rationales. Pharmacological Reviews, 2012, 64, 1004-1026.	16.0	65
39	High dietary fat and sucrose result in an extensive and time-dependent deterioration in health of multiple physiological systems in mice. Journal of Biological Chemistry, 2018, 293, 5731-5745.	3.4	65
40	The meteorology of cytokine storms, and the clinical usefulness of this knowledge. Seminars in Immunopathology, 2017, 39, 505-516.	6.1	61
41	Evolution of ?-satellite DNA on human acrocentric chromosomes. Genomics, 1989, 5, 332-344.	2.9	58
42	Adar3 Is Involved in Learning and Memory in Mice. Frontiers in Neuroscience, 2018, 12, 243.	2.8	54
43	Four distinct alpha satellite subfamilies shared by human chromosomes 13, 14 and 21. Nucleic Acids Research, 1991, 19, 271-277.	14.5	48
44	A satellite III sequence shared by human chromosomes 13,14, and 21 that is contiguous with Î± satellite DNA. Cytogenetic and Genome Research, 1992, 61, 81-86.	1.1	46
45	TNF and Leptin Tell Essentially the Same Story in Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 26, 201-205.	2.6	46
46	A new mouse line with reduced GluA2 Q/R site RNA editing exhibits loss of dendritic spines, hippocampal CA1-neuron loss, learning and memory impairments and NMDA receptor-independent seizure vulnerability. Molecular Brain, 2020, 13, 27.	2.6	44
47	Enhanced LTP of primary afferent neurotransmission in AMPA receptor GluR2-deficient mice. Pain, 2008, 136, 158-167.	4.2	43
48	A Chromosome 13-Specific Human Satellite I DNA Subfamily with Minor Presence on Chromosome 21: Further Studies on Robertsonian Translocations. Genomics, 1993, 16, 104-112.	2.9	42
49	Selective knockdown of NMDA receptors in primary afferent neurons decreases pain during phase 2 of the formalin test. Neuroscience, 2011, 172, 474-482.	2.3	39
50	Intracellular Domains of NR2 Alter Calcium-Dependent Inactivation ofN-Methyl-d-aspartate Receptors. Molecular Pharmacology, 2002, 61, 595-605.	2.3	35
51	Functional Heterogeneity at Dopamine Release Sites. Journal of Neuroscience, 2009, 29, 14670-14680.	3.6	34
52	Therapeutic implications of how TNF links apolipoprotein E, phosphorylated tau, Î±â€synuclein, amyloidâ€Î²2 and insulin resistance in neurodegenerative diseases. British Journal of Pharmacology, 2018, 175, 3859-3875.	5.4	30
53	Alzheimer's Disease Selective Vulnerability and Modeling in Transgenic Mice. Journal of Alzheimer's Disease, 2009, 18, 243-251.	2.6	29
54	Probing N-Methyl-d-aspartate Receptor Desensitization with the Substituted-Cysteine Accessibility Method. Molecular Pharmacology, 2006, 69, 1296-1303.	2.3	27

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55	Time dependent degeneration of the nigrostriatal tract in mice with 6-OHDA lesioned medial forebrain bundle and the effect of activin A on l-Dopa induced dyskinesia. BMC Neuroscience, 2019, 20, 5.	1.9	27
56	Production of conditional point mutant knockin mice. Genesis, 2006, 44, 345-353.	1.6	23
57	Maternal Cigarette Smoke Exposure Worsens Neurological Outcomes in Adolescent Offspring with Hypoxic-Ischemic Injury. Frontiers in Molecular Neuroscience, 2017, 10, 306.	2.9	22
58	Treatment implications of the altered cytokine-insulin axis in neurodegenerative disease. Biochemical Pharmacology, 2013, 86, 862-871.	4.4	21
59	A Neurologistâ€™s Guide to TNF Biology and to the Principles behind the Therapeutic Removal of Excess TNF in Disease. Neural Plasticity, 2015, 2015, 1-10.	2.2	21
60	Targeting the cannabinoid receptor CB2 in a mouse model of l-dopa induced dyskinesia. Neurobiology of Disease, 2020, 134, 104646.	4.4	20
61	Maladaptive Properties of Context-Impoverished Memories. Current Biology, 2020, 30, 2300-2311.e6.	3.9	20
62	Loss of GLUR2 alpha-amino-3-hydroxy-5-methyl-4-isoxazoleproprionic acid receptor subunit differentially affects remaining synaptic glutamate receptors in cerebellum and cochlear nuclei. European Journal of Neuroscience, 2004, 19, 2017-2029.	2.6	18
63	Australian Brain Alliance. Neuron, 2016, 92, 597-600.	8.1	18
64	Activin A Protects Midbrain Neurons in the 6-Hydroxydopamine Mouse Model of Parkinsonâ€™s Disease. PLoS ONE, 2015, 10, e0124325.	2.5	17
65	Evolutionary relationships of multiple alpha satellite subfamilies in the centromeres of human chromosomes 13, 14, and 21. Journal of Molecular Evolution, 1992, 35, 137-46.	1.8	15
66	The Effect of Three Inhaled Anesthetics in Mice Harboring Mutations in the GluR6 (Kainate) Receptor Gene. Anesthesia and Analgesia, 2005, 101, 143-148.	2.2	14
67	The Inflammatory Nature of Post-surgical Delirium Predicts Benefit of Agents With Anti-TNF Effects, Such as Dexmedetomidine. Frontiers in Neuroscience, 2018, 12, 257.	2.8	14
68	L-Carnitine and extendin-4 improve outcomes following moderate brain contusion injury. Scientific Reports, 2018, 8, 11201.	3.3	13
69	Engram Size Varies with Learning and Reflects Memory Content and Precision. Journal of Neuroscience, 2021, 41, 4120-4130.	3.6	13
70	Activin A Inhibits MPTP and LPS-Induced Increases in Inflammatory Cell Populations and Loss of Dopamine Neurons in the Mouse Midbrain In Vivo. PLoS ONE, 2017, 12, e0167211.	2.5	13
71	Brain health is independently impaired by E-vaping and high-fat diet. Brain, Behavior, and Immunity, 2021, 92, 57-66.	4.1	12
72	A Neuroethics Framework for the Australian Brain Initiative. Neuron, 2019, 101, 365-369.	8.1	11

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73	The kainate receptor antagonist UBP310 but not single deletion of GluK1, GluK2, or GluK3 subunits, inhibits MPTP-induced degeneration in the mouse midbrain. Experimental Neurology, 2020, 323, 113062.	4.1	10
74	Epidural Spinal Cord Stimulation Improves Motor Function in Rats With Chemically Induced Parkinsonism. Neurorehabilitation and Neural Repair, 2019, 33, 1029-1039.	2.9	8
75	Medial Orbitofrontal Cortex Regulates Instrumental Conditioned Punishment, but not Pavlovian Conditioned Fear. Cerebral Cortex Communications, 2020, 1, tgaa039.	1.6	8
76	<scp>CAST</scp> your vote: is calpain inhibition the answer to <scp>ALS</scp>?. Journal of Neurochemistry, 2016, 137, 140-141.	3.9	7
77	New hope for devastating neurodegenerative disease. Brain, 2017, 140, 1177-1179.	7.6	7
78	Extinction and discrimination in a Bayesian model of context fear conditioning (BaconX). Hippocampus, 2021, 31, 790-814.	1.9	7
79	Parafascicular Thalamic and Orbitofrontal Cortical Inputs to Striatum Represent States for Goal-Directed Action Selection. Frontiers in Behavioral Neuroscience, 2021, 15, 655029.	2.0	6
80	Altered activity of restriction endonuclease Mn1-I cleavage of mouse satellite DNA. Nucleic Acids Research, 1988, 16, 4731-4731.	14.5	5
81	Dissociation between complete hippocampal context memory formation and context fear acquisition. Learning and Memory, 2017, 24, 153-157.	1.3	4
82	Novel Activity Detection Algorithm to Characterize Spontaneous Stepping During Multimodal Spinal Neuromodulation After Mid-Thoracic Spinal Cord Injury in Rats. Frontiers in Systems Neuroscience, 2019, 13, 82.	2.5	2
83	Outcome-selective reinstatement is predominantly context-independent, and associated with c-Fos activation in the posterior dorsomedial striatum. Neurobiology of Learning and Memory, 2022, 187, 107556.	1.9	2