

Bryce Vissel

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

6,272
citations

57752

44
h-index

71682

76
g-index

84
all docs

84
docs citations

84
times ranked

8599
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhaled Anesthetics and Immobility: Mechanisms, Mysteries, and Minimum Alveolar Anesthetic Concentration. <i>Anesthesia and Analgesia</i> , 2003, 97, 718-740.	2.2	265
2	Neuroinflammation and Neuronal Loss Precede A β 2 Plaque Deposition in the hAPP-J20 Mouse Model of Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e59586.	2.5	262
3	Interactions of Calmodulin and β -Actinin with the NR1 Subunit Modulate Ca ²⁺ -Dependent Inactivation of NMDA Receptors. <i>Journal of Neuroscience</i> , 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. <i>Nucleic Acids Research</i> , 1991, 19, 1179-1182.	14.5	249
5	Inconsistencies and Controversies Surrounding the Amyloid Hypothesis of Alzheimer's Disease. <i>Acta Neuropathologica Communications</i> , 2014, 2, 135.	5.2	246
6	A use-dependent tyrosine dephosphorylation of NMDA receptors is independent of ion flux. <i>Nature Neuroscience</i> , 2001, 4, 587-596.	14.8	237
7	Microglia: A new frontier for synaptic plasticity, learning and memory, and neurodegenerative disease research. <i>Neurobiology of Learning and Memory</i> , 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 Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2014, 2, 135.	5.2	186
10	A Study of Clustered Data and Approaches to Its Analysis. <i>Journal of Neuroscience</i> , 2010, 30, 10601-10608.	3.6	184
11	Adeno-associated virus effectively mediates conditional gene modification in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 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. <i>Journal of Neuroscience</i> , 2003, 23, 5031-5040.	3.6	174
13	The essential role of AMPA receptor GluR2 subunit RNA editing in the normal and diseased brain. <i>Frontiers in Molecular Neuroscience</i> , 2012, 5, 34.	2.9	170
14	N-Terminal Domains in the NR2 Subunit Control Desensitization of NMDA Receptors. <i>Neuron</i> , 1998, 20, 317-327.	8.1	160
15	Questions concerning the role of amyloid- β 2 in the definition, aetiology and diagnosis of Alzheimer's disease. <i>Acta Neuropathologica</i> , 2018, 136, 663-689.	7.7	151
16	Prefrontal microcircuit underlies contextual learning after hippocampal loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9938-9943.	7.1	139
17	The Role of RNA Editing of Kainate Receptors in Synaptic Plasticity and Seizures. <i>Neuron</i> , 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. <i>Journal of Neuroscience</i> , 2003, 23, 9367-9373.	3.6	132

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19	Mouse major (α) satellite DNA is highly conserved and organized into extremely long tandem arrays: Implications for recombination between nonhomologous chromosomes. <i>Genomics</i> , 1989, 5, 407-414.	2.9	121
20	Calcineurin acts via the C-terminus of NR2A to modulate desensitization of NMDA receptors. <i>Neuropharmacology</i> , 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. <i>Nucleic Acids Research</i> , 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. <i>PLoS ONE</i> , 2016, 11, e0148503.	2.5	96
23	A Role for Calcium-Permeable AMPA Receptors in Synaptic Plasticity and Learning. <i>PLoS ONE</i> , 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. <i>Human Molecular Genetics</i> , 1993, 2, 1639-1649.	2.9	91
25	Pathobiology of dynorphins in trauma and disease. <i>Frontiers in Bioscience - Landmark</i> , 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. <i>Journal of Neuroinflammation</i> , 2016, 13, 236.	7.2	89
27	Functional expression of distinct NMDA channel subunits tagged with green fluorescent protein in hippocampal neurons in culture. <i>Neuropharmacology</i> , 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. <i>Genomics</i> , 1990, 7, 143-151.	2.9	81
29	Purkinje Cell Synapses Target Physiologically Unique Brainstem Neurons. <i>Journal of Neuroscience</i> , 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. <i>Journal of Neurophysiology</i> , 2007, 98, 2488-2492.	1.8	80
31	The Role of Neurogenesis in Neurodegenerative Diseases and its Implications for Therapeutic Development. <i>CNS and Neurological Disorders - Drug Targets</i> , 2008, 7, 187-210.	1.4	78
32	Concordant Epigenetic Silencing of Transforming Growth Factor- β Signaling Pathway Genes Occurs Early in Breast Carcinogenesis. <i>Cancer Research</i> , 2007, 67, 11517-11527.	0.9	76
33	Inflammation-sleep interface in brain disease: TNF, insulin, orexin. <i>Journal of Neuroinflammation</i> , 2014, 11, 51.	7.2	76
34	Human alpha satellite DNA - consensus sequence and conserved regions. <i>Nucleic Acids Research</i> , 1987, 15, 6751-6752.	14.5	72
35	Advances in non-dopaminergic treatments for Parkinson's disease. <i>Frontiers in Neuroscience</i> , 2014, 8, 113.	2.8	72
36	Amyloid β : one of three dangerous associated molecules that are secondary inducers of the proinflammatory cytokines that mediate Alzheimer's disease. <i>British Journal of Pharmacology</i> , 2015, 172, 3714-3727.	5.4	71

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37	Activin A Is Essential for Neurogenesis Following Neurodegeneration. <i>Stem Cells</i> , 2009, 27, 1330-1346.	3.2	66
38	Tumor Necrosis Factor-Induced Cerebral Insulin Resistance in Alzheimer's Disease Links Numerous Treatment Rationales. <i>Pharmacological Reviews</i> , 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. <i>Journal of Biological Chemistry</i> , 2018, 293, 5731-5745.	3.4	65
40	The meteorology of cytokine storms, and the clinical usefulness of this knowledge. <i>Seminars in Immunopathology</i> , 2017, 39, 505-516.	6.1	61
41	Evolution of γ -satellite DNA on human acrocentric chromosomes. <i>Genomics</i> , 1989, 5, 332-344.	2.9	58
42	Adar3 Is Involved in Learning and Memory in Mice. <i>Frontiers in Neuroscience</i> , 2018, 12, 243.	2.8	54
43	Four distinct alpha satellite subfamilies shared by human chromosomes 13, 14 and 21. <i>Nucleic Acids Research</i> , 1991, 19, 271-277.	14.5	48
44	A satellite III sequence shared by human chromosomes 13,14, and 21 that is contiguous with β satellite DNA. <i>Cytogenetic and Genome Research</i> , 1992, 61, 81-86.	1.1	46
45	TNF and Leptin Tell Essentially the Same Story in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 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. <i>Molecular Brain</i> , 2020, 13, 27.	2.6	44
47	Enhanced LTP of primary afferent neurotransmission in AMPA receptor GluR2-deficient mice. <i>Pain</i> , 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. <i>Genomics</i> , 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. <i>Neuroscience</i> , 2011, 172, 474-482.	2.3	39
50	Intracellular Domains of NR2 Alter Calcium-Dependent Inactivation of N-Methyl-d-aspartate Receptors. <i>Molecular Pharmacology</i> , 2002, 61, 595-605.	2.3	35
51	Functional Heterogeneity at Dopamine Release Sites. <i>Journal of Neuroscience</i> , 2009, 29, 14670-14680.	3.6	34
52	Therapeutic implications of how TNF links apolipoprotein E, phosphorylated tau, α -synuclein, amyloid β and insulin resistance in neurodegenerative diseases. <i>British Journal of Pharmacology</i> , 2018, 175, 3859-3875.	5.4	30
53	Alzheimer's Disease Selective Vulnerability and Modeling in Transgenic Mice. <i>Journal of Alzheimer's Disease</i> , 2009, 18, 243-251.	2.6	29
54	Probing N-Methyl-d-aspartate Receptor Desensitization with the Substituted-Cysteine Accessibility Method. <i>Molecular Pharmacology</i> , 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. <i>BMC Neuroscience</i> , 2019, 20, 5.	1.9	27
56	Production of conditional point mutant knockin mice. <i>Genesis</i> , 2006, 44, 345-353.	1.6	23
57	Maternal Cigarette Smoke Exposure Worsens Neurological Outcomes in Adolescent Offspring with Hypoxic-Ischemic Injury. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 306.	2.9	22
58	Treatment implications of the altered cytokine-insulin axis in neurodegenerative disease. <i>Biochemical Pharmacology</i> , 2013, 86, 862-871.	4.4	21
59	A Neurologist's Guide to TNF Biology and to the Principles behind the Therapeutic Removal of Excess TNF in Disease. <i>Neural Plasticity</i> , 2015, 2015, 1-10.	2.2	21
60	Targeting the cannabinoid receptor CB2 in a mouse model of l-dopa induced dyskinesia. <i>Neurobiology of Disease</i> , 2020, 134, 104646.	4.4	20
61	Maladaptive Properties of Context-Impoverished Memories. <i>Current Biology</i> , 2020, 30, 2300-2311.e6.	3.9	20
62	Loss of GLUR2 alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor subunit differentially affects remaining synaptic glutamate receptors in cerebellum and cochlear nuclei. <i>European Journal of Neuroscience</i> , 2004, 19, 2017-2029.	2.6	18
63	Australian Brain Alliance. <i>Neuron</i> , 2016, 92, 597-600.	8.1	18
64	Activin A Protects Midbrain Neurons in the 6-Hydroxydopamine Mouse Model of Parkinson's Disease. <i>PLoS ONE</i> , 2015, 10, e0124325.	2.5	17
65	Evolutionary relationships of multiple alpha satellite subfamilies in the centromeres of human chromosomes 13, 14, and 21. <i>Journal of Molecular Evolution</i> , 1992, 35, 137-46.	1.8	15
66	The Effect of Three Inhaled Anesthetics in Mice Harboring Mutations in the GluR6 (Kainate) Receptor Gene. <i>Anesthesia and Analgesia</i> , 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. <i>Frontiers in Neuroscience</i> , 2018, 12, 257.	2.8	14
68	L-Carnitine and extendin-4 improve outcomes following moderate brain contusion injury. <i>Scientific Reports</i> , 2018, 8, 11201.	3.3	13
69	Engram Size Varies with Learning and Reflects Memory Content and Precision. <i>Journal of Neuroscience</i> , 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. <i>PLoS ONE</i> , 2017, 12, e0167211.	2.5	13
71	Brain health is independently impaired by E-vaping and high-fat diet. <i>Brain, Behavior, and Immunity</i> , 2021, 92, 57-66.	4.1	12
72	A Neuroethics Framework for the Australian Brain Initiative. <i>Neuron</i> , 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. <i>Experimental Neurology</i> , 2020, 323, 113062.	4.1	10
74	Epidural Spinal Cord Stimulation Improves Motor Function in Rats With Chemically Induced Parkinsonism. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 1029-1039.	2.9	8
75	Medial Orbitofrontal Cortex Regulates Instrumental Conditioned Punishment, but not Pavlovian Conditioned Fear. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa039.	1.6	8
76	<scp>CAST</scp> your vote: is calpain inhibition the answer to <scp>ALS</scp>?. <i>Journal of Neurochemistry</i> , 2016, 137, 140-141.	3.9	7
77	New hope for devastating neurodegenerative disease. <i>Brain</i> , 2017, 140, 1177-1179.	7.6	7
78	Extinction and discrimination in a Bayesian model of context fear conditioning (BaconX). <i>Hippocampus</i> , 2021, 31, 790-814.	1.9	7
79	Parafascicular Thalamic and Orbitofrontal Cortical Inputs to Striatum Represent States for Goal-Directed Action Selection. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 655029.	2.0	6
80	Altered activity of restriction endonuclease Mn1-I cleavage of mouse satellite DNA. <i>Nucleic Acids Research</i> , 1988, 16, 4731-4731.	14.5	5
81	Dissociation between complete hippocampal context memory formation and context fear acquisition. <i>Learning and Memory</i> , 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. <i>Frontiers in Systems Neuroscience</i> , 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. <i>Neurobiology of Learning and Memory</i> , 2022, 187, 107556.	1.9	2