Bryce Vissel

List of Publications by Year
in descending order

83 papers	6,272 citations	57758 44 h-index	71685 76 g-index
84 all docs	84 docs citations	84 times ranked	8599 citing authors

#	Article	IF	Citations
1	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
2	Brain health is independently impaired by E-vaping and high-fat diet. Brain, Behavior, and Immunity, 2021, 92, 57-66.	4.1	12
3	Extinction and discrimination in a Bayesian model of context fear conditioning (BaconX). Hippocampus, 2021, 31, 790-814.	1.9	7
4	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
5	Engram Size Varies with Learning and Reflects Memory Content and Precision. Journal of Neuroscience, 2021, 41, 4120-4130.	3.6	13
6	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
7	Targeting the cannabinoid receptor CB2 in a mouse model of l-dopa induced dyskinesia. Neurobiology of Disease, 2020, 134, 104646.	4.4	20
8	Medial Orbitofrontal Cortex Regulates Instrumental Conditioned Punishment, but not Pavlovian Conditioned Fear. Cerebral Cortex Communications, 2020, 1, tgaa039.	1.6	8
9	Maladaptive Properties of Context-Impoverished Memories. Current Biology, 2020, 30, 2300-2311.e6.	3.9	20
10	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
11	Epidural Spinal Cord Stimulation Improves Motor Function in Rats With Chemically Induced Parkinsonism. Neurorehabilitation and Neural Repair, 2019, 33, 1029-1039.	2.9	8
12	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
13	A Neuroethics Framework for the Australian Brain Initiative. Neuron, 2019, 101, 365-369.	8.1	11
14	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
15	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
16	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
17	L-Carnitine and extendin-4 improve outcomes following moderate brain contusion injury. Scientific Reports, 2018, 8, 11201.	3.3	13
18	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

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19	Adar3 Is Involved in Learning and Memory in Mice. Frontiers in Neuroscience, 2018, 12, 243.	2.8	54
20	Therapeutic implications of how TNF links apolipoprotein E, phosphorylated tau, Î±â€synuclein, amyloidâ€Î² and insulin resistance in neurodegenerative diseases. British Journal of Pharmacology, 2018, 175, 3859-3875.	5.4	30
21	The meteorology of cytokine storms, and the clinical usefulness of this knowledge. Seminars in Immunopathology, 2017, 39, 505-516.	6.1	61
22	Dissociation between complete hippocampal context memory formation and context fear acquisition. Learning and Memory, 2017, 24, 153-157.	1.3	4
23	New hope for devastating neurodegenerative disease. Brain, 2017, 140, 1177-1179.	7.6	7
24	Maternal Cigarette Smoke Exposure Worsens Neurological Outcomes in Adolescent Offspring with Hypoxic-Ischemic Injury. Frontiers in Molecular Neuroscience, 2017, 10, 306.	2.9	22
25	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
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	<scp>CAST</scp> your vote: is calpain inhibition the answer to <scp>ALS</scp>?. Journal of Neurochemistry, 2016, 137, 140-141.	3.9	7
28	Australian Brain Alliance. Neuron, 2016, 92, 597-600.	8.1	18
29	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
30	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
31	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
32	Activin A Protects Midbrain Neurons in the 6-Hydroxydopamine Mouse Model of Parkinsonâ€™s Disease. PLoS ONE, 2015, 10, e0124325.	2.5	17
33	Inconsistencies and Controversies Surrounding the Amyloid Hypothesis of Alzheimer's Disease. Acta Neuropathologica Communications, 2014, 2, 135.	5.2	246
34	Inflammation-sleep interface in brain disease: TNF, insulin, orexin. Journal of Neuroinflammation, 2014, 11, 51.	7.2	76
35	Advances in non-dopaminergic treatments for Parkinson's disease. Frontiers in Neuroscience, 2014, 8, 113.	2.8	72
36	Inconsistencies and controversies surrounding the Amyloid Hypothesis of AlzheimerÂ¿s disease. Acta Neuropathologica Communications, 2014, 2, 135.	5.2	186

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37	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
38	Treatment implications of the altered cytokine-insulin axis in neurodegenerative disease. Biochemical Pharmacology, 2013, 86, 862-871.	4.4	21
39	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
40	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
41	Tumor Necrosis Factor-Induced Cerebral Insulin Resistance in Alzheimer's Disease Links Numerous Treatment Rationales. Pharmacological Reviews, 2012, 64, 1004-1026.	16.0	65
42	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
43	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
44	TNF and Leptin Tell Essentially the Same Story in Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 26, 201-205.	2.6	46
45	The roles of TNF in brain dysfunction and disease. , 2010, 128, 519-548.		190
46	A Study of Clustered Data and Approaches to Its Analysis. Journal of Neuroscience, 2010, 30, 10601-10608.	3.6	184
47	A Role for Calcium-Permeable AMPA Receptors in Synaptic Plasticity and Learning. PLoS ONE, 2010, 5, e12818.	2.5	94
48	Functional Heterogeneity at Dopamine Release Sites. Journal of Neuroscience, 2009, 29, 14670-14680.	3.6	34
49	Activin A Is Essential for Neurogenesis Following Neurodegeneration. Stem Cells, 2009, 27, 1330-1346.	3.2	66
50	Alzheimer's Disease Selective Vulnerability and Modeling in Transgenic Mice. Journal of Alzheimer's Disease, 2009, 18, 243-251.	2.6	29
51	Enhanced LTP of primary afferent neurotransmission in AMPA receptor GluR2-deficient mice. Pain, 2008, 136, 158-167.	4.2	43
52	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
53	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
54	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

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55	Production of conditional point mutant knockin mice. Genesis, 2006, 44, 345-353.	1.6	23
56	Probing N-Methyl-d-aspartate Receptor Desensitization with the Substituted-Cysteine Accessibility Method. Molecular Pharmacology, 2006, 69, 1296-1303.	2.3	27
57	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
58	Pathobiology of dynorphins in trauma and disease. Frontiers in Bioscience - Landmark, 2005, 10, 216.	3.0	89
59	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
60	Inhaled Anesthetics and Immobility: Mechanisms, Mysteries, and Minimum Alveolar Anesthetic Concentration. Anesthesia and Analgesia, 2003, 97, 718-740.	2.2	265
61	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
62	Purkinje Cell Synapses Target Physiologically Unique Brainstem Neurons. Journal of Neuroscience, 2003, 23, 6392-6398.	3.6	80
63	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
64	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
65	Intracellular Domains of NR2 Alter Calcium-Dependent Inactivation ofN-Methyl-d-aspartate Receptors. Molecular Pharmacology, 2002, 61, 595-605.	2.3	35
66	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
67	Calcineurin acts via the C-terminus of NR2A to modulate desensitization of NMDA receptors. Neuropharmacology, 2002, 42, 593-602.	4.1	98
68	The Role of RNA Editing of Kainate Receptors in Synaptic Plasticity and Seizures. Neuron, 2001, 29, 217-227.	8.1	135
69	A use-dependent tyrosine dephosphorylation of NMDA receptors is independent of ion flux. Nature Neuroscience, 2001, 4, 587-596.	14.8	237
70	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
71	N-Terminal Domains in the NR2 Subunit Control Desensitization of NMDA Receptors. Neuron, 1998, 20, 317-327.	8.1	160
72	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

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73	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
74	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
75	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
76	Four distinct alpha satellite subfamilies shared by human chromosomes 13, 14 and 21. Nucleic Acids Research, 1991, 19, 271-277.	14.5	48
77	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
78	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
79	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
80	Evolution of ?-satellite DNA on human acrocentric chromosomes. Genomics, 1989, 5, 332-344.	2.9	58
81	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
82	Altered activity of restriction endonuclease Mn1-I cleavage of mouse satellite DNA. Nucleic Acids Research, 1988, 16, 4731-4731.	14.5	5
83	Human alpha satellite DNA - consensus sequence and conserved regions. Nucleic Acids Research, 1987, 15, 6751-6752.	14.5	72