

# Bryce Vissel

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

5,083

citations

42

h-index

71

g-index

84

ext. papers

5,738

ext. citations

7.3

avg, IF

5.7

L-index

#	Paper	IF	Citations
82	Interactions of calmodulin and alpha-actinin with the NR1 subunit modulate Ca <sup>2+</sup> -dependent inactivation of NMDA receptors. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 1165-78	6.6	248
81	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> , <b>1991</b> , 19, 1179-82	20.1	224
80	A use-dependent tyrosine dephosphorylation of NMDA receptors is independent of ion flux. <i>Nature Neuroscience</i> , <b>2001</b> , 4, 587-96	25.5	219
79	Inhaled anesthetics and immobility: mechanisms, mysteries, and minimum alveolar anesthetic concentration. <i>Anesthesia and Analgesia</i> , <b>2003</b> , 97, 718-740	3.9	213
78	Neuroinflammation and neuronal loss precede A $\beta$ plaque deposition in the hAPP-J20 mouse model of Alzheimer's disease. <i>PLoS ONE</i> , <b>2013</b> , 8, e59586	3.7	182
77	Inconsistencies and controversies surrounding the amyloid hypothesis of Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , <b>2014</b> , 2, 135	7.3	175
76	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> , <b>2002</b> , 99, 2320-5	11.5	158
75	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> , <b>2003</b> , 23, 5031-40	6.6	154
74	The roles of TNF in brain dysfunction and disease. <i>Pharmacology &amp; Therapeutics</i> , <b>2010</b> , 128, 519-48	13.9	153
73	Inconsistencies and controversies surrounding the Amyloid Hypothesis of Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , <b>2014</b> , 2, 135	7.3	152
72	Microglia: a new frontier for synaptic plasticity, learning and memory, and neurodegenerative disease research. <i>Neurobiology of Learning and Memory</i> , <b>2013</b> , 105, 40-53	3.1	151
71	N-terminal domains in the NR2 subunit control desensitization of NMDA receptors. <i>Neuron</i> , <b>1998</b> , 20, 317-27	13.9	146
70	A study of clustered data and approaches to its analysis. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 10601-8	6.6	137
69	Aberrant formation of glutamate receptor complexes in hippocampal neurons of mice lacking the GluR2 AMPA receptor subunit. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 9367-73	6.6	119
68	The role of RNA editing of kainate receptors in synaptic plasticity and seizures. <i>Neuron</i> , <b>2001</b> , 29, 217-27	13.9	113
67	Prefrontal microcircuit underlies contextual learning after hippocampal loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 9938-43	11.5	111
66	The essential role of AMPA receptor GluR2 subunit RNA editing in the normal and diseased brain. <i>Frontiers in Molecular Neuroscience</i> , <b>2012</b> , 5, 34	6.1	106

65	Mouse major (gamma) satellite DNA is highly conserved and organized into extremely long tandem arrays: implications for recombination between nonhomologous chromosomes. <i>Genomics</i> , <b>1989</b> , 5, 407-14	4.3	105
64	Questions concerning the role of amyloid- $\beta$ in the definition, aetiology and diagnosis of Alzheimer's disease. <i>Acta Neuropathologica</i> , <b>2018</b> , 136, 663-689	14.3	101
63	Calcineurin acts via the C-terminus of NR2A to modulate desensitization of NMDA receptors. <i>Neuropharmacology</i> , <b>2002</b> , 42, 593-602	5.5	92
62	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> , <b>1988</b> , 16, 1273-84	20.1	85
61	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> , <b>1993</b> , 2, 1639-49	5.6	81
60	A role for calcium-permeable AMPA receptors in synaptic plasticity and learning. <i>PLoS ONE</i> , <b>2010</b> , 5, e12818	3.7	78
59	Identification of two distinct subfamilies of alpha satellite DNA that are highly specific for human chromosome 15. <i>Genomics</i> , <b>1990</b> , 7, 143-51	4.3	77
58	Long-term potentiation in the hippocampal CA1 region does not require insertion and activation of GluR2-lacking AMPA receptors. <i>Journal of Neurophysiology</i> , <b>2007</b> , 98, 2488-92	3.2	75
57	Purkinje cell synapses target physiologically unique brainstem neurons. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 6392-8	6.6	75
56	Functional expression of distinct NMDA channel subunits tagged with green fluorescent protein in hippocampal neurons in culture. <i>Neuropharmacology</i> , <b>2002</b> , 42, 306-18	5.5	74
55	Pathobiology of dynorphins in trauma and disease. <i>Frontiers in Bioscience - Landmark</i> , <b>2005</b> , 10, 216-35	2.8	73
54	Concordant epigenetic silencing of transforming growth factor-beta signaling pathway genes occurs early in breast carcinogenesis. <i>Cancer Research</i> , <b>2007</b> , 67, 11517-27	10.1	72
53	The role of neurogenesis in neurodegenerative diseases and its implications for therapeutic development. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2008</b> , 7, 187-210	2.6	70
52	Excess cerebral TNF causing glutamate excitotoxicity rationalizes treatment of neurodegenerative diseases and neurogenic pain by anti-TNF agents. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 236	10.1	64
51	Advances in non-dopaminergic treatments for Parkinson's disease. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 113	5.1	62
50	Human alpha satellite DNA--consensus sequence and conserved regions. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 6751-2	20.1	60
49	Amyloid $\beta$ one of three danger-associated molecules that are secondary inducers of the proinflammatory cytokines that mediate Alzheimer's disease. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 3714-27	8.6	59
48	Activin A is essential for neurogenesis following neurodegeneration. <i>Stem Cells</i> , <b>2009</b> , 27, 1330-46	5.8	59

47	Evolution of alpha-satellite DNA on human acrocentric chromosomes. <i>Genomics</i> , <b>1989</b> , 5, 332-44	4.3	55
46	Tumor necrosis factor-induced cerebral insulin resistance in Alzheimer's disease links numerous treatment rationales. <i>Pharmacological Reviews</i> , <b>2012</b> , 64, 1004-26	22.5	54
45	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> , <b>2016</b> , 11, e0148503	3.7	54
44	Inflammation-sleep interface in brain disease: TNF, insulin, orexin. <i>Journal of Neuroinflammation</i> , <b>2014</b> , 11, 51	10.1	52
43	The meteorology of cytokine storms, and the clinical usefulness of this knowledge. <i>Seminars in Immunopathology</i> , <b>2017</b> , 39, 505-516	12	43
42	Four distinct alpha satellite subfamilies shared by human chromosomes 13, 14 and 21. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 271-7	20.1	43
41	High dietary fat and sucrose results in an extensive and time-dependent deterioration in health of multiple physiological systems in mice. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 5731-5745	5.4	42
40	TNF and leptin tell essentially the same story in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2011</b> , 26, 201-5	4.3	40
39	A satellite III sequence shared by human chromosomes 13, 14, and 21 that is contiguous with alpha satellite DNA. <i>Cytogenetic and Genome Research</i> , <b>1992</b> , 61, 81-6	1.9	38
38	Enhanced LTP of primary afferent neurotransmission in AMPA receptor GluR2-deficient mice. <i>Pain</i> , <b>2008</b> , 136, 158-67	8	37
37	Selective knockdown of NMDA receptors in primary afferent neurons decreases pain during phase 2 of the formalin test. <i>Neuroscience</i> , <b>2011</b> , 172, 474-82	3.9	35
36	A chromosome 13-specific human satellite I DNA subfamily with minor presence on chromosome 21: further studies on Robertsonian translocations. <i>Genomics</i> , <b>1993</b> , 16, 104-12	4.3	35
35	Intracellular domains of NR2 alter calcium-dependent inactivation of N-methyl-D-aspartate receptors. <i>Molecular Pharmacology</i> , <b>2002</b> , 61, 595-605	4.3	34
34	Adar3 Is Involved in Learning and Memory in Mice. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 243	5.1	33
33	Alzheimer's disease selective vulnerability and modeling in transgenic mice. <i>Journal of Alzheimer's Disease</i> , <b>2009</b> , 18, 243-51	4.3	28
32	Functional heterogeneity at dopamine release sites. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 14670-80	6.6	26
31	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> , <b>2020</b> , 13, 27	4.5	23
30	Production of conditional point mutant knockin mice. <i>Genesis</i> , <b>2006</b> , 44, 345-53	1.9	23

29	Therapeutic implications of how TNF links apolipoprotein E, phosphorylated tau, βsynuclein, amyloid-β and insulin resistance in neurodegenerative diseases. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 3859-3875	8.6	19
28	Treatment implications of the altered cytokine-insulin axis in neurodegenerative disease. <i>Biochemical Pharmacology</i> , <b>2013</b> , 86, 862-71	6	19
27	Probing N-methyl-D-aspartate receptor desensitization with the substituted-cysteine accessibility method. <i>Molecular Pharmacology</i> , <b>2006</b> , 69, 1296-303	4.3	18
26	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> , <b>2004</b> , 19, 2017-29	3.5	18
25	Maternal Cigarette Smoke Exposure Worsens Neurological Outcomes in Adolescent Offspring with Hypoxic-Ischemic Injury. <i>Frontiers in Molecular Neuroscience</i> , <b>2017</b> , 10, 306	6.1	16
24	A Neurologist's Guide to TNF Biology and to the Principles behind the Therapeutic Removal of Excess TNF in Disease. <i>Neural Plasticity</i> , <b>2015</b> , 2015, 358263	3.3	16
23	Evolutionary relationships of multiple alpha satellite subfamilies in the centromeres of human chromosomes 13, 14, and 21. <i>Journal of Molecular Evolution</i> , <b>1992</b> , 35, 137-46	3.1	14
22	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> , <b>2019</b> , 20, 5	3.2	13
21	Maladaptive Properties of Context-Impoverished Memories. <i>Current Biology</i> , <b>2020</b> , 30, 2300-2311.e6	6.3	12
20	The effect of three inhaled anesthetics in mice harboring mutations in the GluR6 (kainate) receptor gene. <i>Anesthesia and Analgesia</i> , <b>2005</b> , 101, 143-8, table of contents	3.9	12
19	Australian Brain Alliance. <i>Neuron</i> , <b>2016</b> , 92, 597-600	13.9	11
18	Activin A protects midbrain neurons in the 6-hydroxydopamine mouse model of Parkinson's disease. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124325	3.7	11
17	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> , <b>2017</b> , 12, e0167211	3.7	10
16	Targeting the cannabinoid receptor CB2 in a mouse model of l-dopa induced dyskinesia. <i>Neurobiology of Disease</i> , <b>2020</b> , 134, 104646	7.5	10
15	The Inflammatory Nature of Post-surgical Delirium Predicts Benefit of Agents With Anti-TNF Effects, Such as Dexmedetomidine. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 257	5.1	8
14	L-Carnitine and extendin-4 improve outcomes following moderate brain contusion injury. <i>Scientific Reports</i> , <b>2018</b> , 8, 11201	4.9	6
13	Epidural Spinal Cord Stimulation Improves Motor Function in Rats With Chemically Induced Parkinsonism. <i>Neurorehabilitation and Neural Repair</i> , <b>2019</b> , 33, 1029-1039	4.7	6
12	New hope for devastating neurodegenerative disease. <i>Brain</i> , <b>2017</b> , 140, 1177-1179	11.2	6

11	Brain health is independently impaired by E-vaping and high-fat diet. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 92, 57-66	16.6	6
10	A Neuroethics Framework for the Australian Brain Initiative. <i>Neuron</i> , <b>2019</b> , 101, 365-369	13.9	5
9	Altered activity of restriction endonuclease MnlI cleavage of mouse satellite DNA. <i>Nucleic Acids Research</i> , <b>1988</b> , 16, 4731	20.1	5
8	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> , <b>2020</b> , 323, 113062	5.7	5
7	Extinction and discrimination in a Bayesian model of context fear conditioning (BaconX). <i>Hippocampus</i> , <b>2021</b> , 31, 790-814	3.5	5
6	Dissociation between complete hippocampal context memory formation and context fear acquisition. <i>Learning and Memory</i> , <b>2017</b> , 24, 153-157	2.8	4
5	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> , <b>2019</b> , 13, 82	3.5	2
4	Medial Orbitofrontal Cortex Regulates Instrumental Conditioned Punishment, but not Pavlovian Conditioned Fear. <i>Cerebral Cortex Communications</i> , <b>2020</b> , 1, tgaa039	1.9	2
3	Parafascicular Thalamic and Orbitofrontal Cortical Inputs to Striatum Represent States for Goal-Directed Action Selection. <i>Frontiers in Behavioral Neuroscience</i> , <b>2021</b> , 15, 655029	3.5	1
2	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> , <b>2021</b> , 187, 107536	3.1	0
1	Engram Size Varies with Learning and Reflects Memory Content and Precision. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 4120-4130	6.6	0