Brandon K Harvey

List of Publications by Year
in descending order

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115 papers	7,611 citations	50170 46 h-index	58464 82 g-index
118 all docs	118 docs citations	118 times ranked	11465 citing authors

#	Article	IF	Citations
1	Caffeine and MDMA (Ecstasy) Exacerbate ER Stress Triggered by Hyperthermia. International Journal of Molecular Sciences, 2022, 23, 1974.	1.8	2
2	Identification of ER/SR resident proteins as biomarkers for ER/SR calcium depletion in skeletal muscle cells. Orphanet Journal of Rare Diseases, 2022, 17, .	1.2	1
3	A target-agnostic screen identifies approved drugs to stabilize the endoplasmic reticulum-resident proteome. Cell Reports, 2021, 35, 109040.	2.9	18
4	The Function of KDEL Receptors as UPR Genes in Disease. International Journal of Molecular Sciences, 2021, 22, 5436.	1.8	9
5	Computational Modeling of C-Terminal Tails to Predict the Calcium-Dependent Secretion of Endoplasmic Reticulum Resident Proteins. Frontiers in Chemistry, 2021, 9, 689608.	1.8	5
6	Effects of Withdrawal from Cocaine Self-Administration on Rat Orbitofrontal Cortex Parvalbumin Neurons ExpressingCre recombinase: Sex-Dependent Changes in Neuronal Function and Unaltered Serotonin Signaling. ENeuro, 2021, 8, ENEURO.0017-21.2021.	0.9	9
7	Administration of AAV-Alpha Synuclein NAC Antibody Improves Locomotor Behavior in Rats Overexpressing Alpha Synuclein. Genes, 2021, 12, 948.	1.0	10
8	The metabolite GLPâ€1 (9â€36) is neuroprotective and antiâ€inflammatory in cellular models of neurodegeneration. Journal of Neurochemistry, 2021, 159, 867-886.	2.1	18
9	The overexpression of GDNF in nucleus accumbens suppresses alcohol-seeking behavior in group-housed C57Bl/6J female mice. Journal of Biomedical Science, 2021, 28, 87.	2.6	3
10	Relapse-Associated Transient Synaptic Potentiation Requires Integrin-Mediated Activation of Focal Adhesion Kinase and Cofilin in D1-Expressing Neurons. Journal of Neuroscience, 2020, 40, 8463-8477.	1.7	16
11	Trophic activities of endoplasmic reticulum proteins CDNF and MANF. Cell and Tissue Research, 2020, 382, 83-100.	1.5	40
12	Post-treatment with Posiphen Reduces Endoplasmic Reticulum Stress and Neurodegeneration in Stroke Brain. IScience, 2020, 23, 100866.	1.9	9
13	Molecular profile of the rat peri-infarct region four days after stroke: Study with MANF. Experimental Neurology, 2020, 329, 113288.	2.0	18
14	Neuronal Activation Stimulates Cytomegalovirus Promoter-Driven Transgene Expression. Molecular Therapy - Methods and Clinical Development, 2019, 14, 180-188.	1.8	6
15	MANF deletion abrogates early larval Caenorhabditis elegans stress response to tunicamycin and Pseudomonas aeruginosa. European Journal of Cell Biology, 2019, 98, 151043.	1.6	18
16	Escalated Alcohol Self-Administration and Sensitivity to Yohimbine-Induced Reinstatement in Alcohol Preferring Rats: Potential Role of Neurokinin-1 Receptors in the Amygdala. Neuroscience, 2019, 413, 77-85.	1.1	17
17	Cas9 Ribonucleoprotein Complex Delivery: Methods and Applications for Neuroinflammation. Journal of NeuroImmune Pharmacology, 2019, 14, 565-577.	2.1	10
18	Pifithrin-Alpha Reduces Methamphetamine Neurotoxicity in Cultured Dopaminergic Neurons. Neurotoxicity Research, 2019, 36, 347-356.	1.3	11

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19	Neuron-Specific Genome Modification in the Adult Rat Brain Using CRISPR-Cas9 Transgenic Rats. Neuron, 2019, 102, 105-119.e8.	3.8	62
20	Incretin Mimetics as Rational Candidates for the Treatment of Traumatic Brain Injury. ACS Pharmacology and Translational Science, 2019, 2, 66-91.	2.5	28
21	Microbubble volume: A definitive dose parameter in blood-brain barrier opening by focused ultrasound. , 2019, , .		1
22	Ventral Pallidum Is the Primary Target for Accumbens D1 Projections Driving Cocaine Seeking. Journal of Neuroscience, 2019, 39, 2041-2051.	1.7	81
23	Gesicle-Mediated Delivery of CRISPR/Cas9 Ribonucleoprotein Complex for Inactivating the HIV Provirus. Molecular Therapy, 2019, 27, 151-163.	3.7	94
24	Development and initial characterization of a novel ghrelin receptor CRISPR/Cas9 knockout wistar rat model. International Journal of Obesity, 2019, 43, 344-354.	1.6	29
25	Role of Dorsal Striatum Histone Deacetylase 5 in Incubation of Methamphetamine Craving. Biological Psychiatry, 2018, 84, 213-222.	0.7	34
26	Post-stroke Intranasal (+)-Naloxone Delivery Reduces Microglial Activation and Improves Behavioral Recovery from Ischemic Injury. ENeuro, 2018, 5, ENEURO.0395-17.2018.	0.9	35
27	KDEL Receptors Are Differentially Regulated to Maintain the ER Proteome under Calcium Deficiency. Cell Reports, 2018, 25, 1829-1840.e6.	2.9	93
28	Downregulation of tyrosine hydroxylase phenotype after AAV injection above substantia nigra: Caution in experimental models of Parkinson's disease. Journal of Neuroscience Research, 2018, 97, 346-361.	1.3	24
29	State-of-the-art of microbubble-assisted blood-brain barrier disruption. Theranostics, 2018, 8, 4393-4408.	4.6	113
30	Poststroke delivery of MANF promotes functional recovery in rats. Science Advances, 2018, 4, eaap8957.	4.7	64
31	Pre-Î±-pro-GDNF and Pre-Î²-pro-GDNF Isoforms Are Neuroprotective in the 6-hydroxydopamine Rat Model of Parkinson's Disease. Frontiers in Neurology, 2018, 9, 457.	1.1	21
32	Extracellular esterase activity as an indicator of endoplasmic reticulum calcium depletion. Biomarkers, 2018, 23, 756-765.	0.9	15
33	Update of neurotrophic factors in neurobiology of addiction and future directions. Neurobiology of Disease, 2017, 97, 189-200.	2.1	48
34	Role of microglia in ischemic focal stroke and recovery: focus on Toll-like receptors. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 79, 3-14.	2.5	90
35	Neurons Internalize Functionalized Micron-Sized Silicon Dioxide Microspheres. Cellular and Molecular Neurobiology, 2017, 37, 1487-1499.	1.7	4
36	Assaying the Stability and Inactivation of AAV Serotype 1 Vectors. Human Gene Therapy Methods, 2017, 28, 39-48.	2.1	31

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37	Long Evans rat spermatogonial lines are effective germline vectors for transgenic rat production. Transgenic Research, 2017, 26, 477-489.	1.3	2
38	Step Sequence is a Critical Gait Parameter of Unilateral 6-OHDA Parkinson's Rat Models. Cell Transplantation, 2017, 26, 659-667.	1.2	11
39	Near-infrared fluorescent protein iRFP713 as a reporter protein for optogenetic vectors, a transgenic Cre-reporter rat, and other neuronal studies. Journal of Neuroscience Methods, 2017, 284, 1-14.	1.3	21
40	High fat diet disrupts endoplasmic reticulum calcium homeostasis in the rat liver. Journal of Hepatology, 2017, 67, 1009-1017.	1.8	45
41	Chemogenetics revealed: DREADD occupancy and activation via converted clozapine. Science, 2017, 357, 503-507.	6.0	813
42	In vitro modeling of <scp>HIV</scp> proviral activity in microglia. FEBS Journal, 2017, 284, 4096-4114.	2.2	13
43	Lateral Hypothalamic GABAergic Neurons Encode Reward Predictions that Are Relayed to the Ventral Tegmental Area to Regulate Learning. Current Biology, 2017, 27, 2089-2100.e5.	1.8	90
44	9-cis retinoic acid induces neurorepair in stroke brain. Scientific Reports, 2017, 7, 4512.	1.6	14
45	CYP3A5 Mediates Effects of Cocaine on Human Neocorticogenesis: Studies using an In Vitro 3D Self-Organized hPSC Model with a Single Cortex-Like Unit. Neuropsychopharmacology, 2017, 42, 774-784.	2.8	68
46	Microbubble gas volume: A unifying dose parameter in blood-brain barrier opening by focused ultrasound. Theranostics, 2017, 7, 144-152.	4.6	79
47	Longitudinal monitoring of Gaussia and Nano luciferase activities to concurrently assess ER calcium homeostasis and ER stress in vivo. PLoS ONE, 2017, 12, e0175481.	1.1	11
48	Methamphetamine induces a rapid increase of intracellular <scp><scp>Ca⁺⁺</scp></scp> levels in neurons overexpressing <scp>GCaMP</scp>5. Addiction Biology, 2016, 21, 255-266.	1.4	14
49	Behavioral and Physiological Effects of a Novel Kappa-Opioid Receptor-Based DREADD in Rats. Neuropsychopharmacology, 2016, 41, 402-409.	2.8	56
50	Differential modulation of methamphetamine-mediated behavioral sensitization by overexpression of Mu opioid receptors in nucleus accumbens and ventral tegmental area. Psychopharmacology, 2016, 233, 661-672.	1.5	14
51	Role of Ventral Subiculum in Context-Induced Relapse to Alcohol Seeking after Punishment-Imposed Abstinence. Journal of Neuroscience, 2016, 36, 3281-3294.	1.7	103
52	Reducing excitoxicity with glutamate transporter-1 to treat stroke. Brain Circulation, 2016, 2, 118.	0.7	2
53	Monitoring Endoplasmic Reticulum Calcium Homeostasis Using a Gaussia Luciferase SERCaMP. Journal of Visualized Experiments, 2015, , .	0.2	9
54	A Low Affinity GCaMP3 Variant (GCaMPer) for Imaging the Endoplasmic Reticulum Calcium Store. PLoS ONE, 2015, 10, e0139273.	1.1	51

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55	Functional Consequences of 17q21.31/WNT3-WNT9B Amplification in hPSCs with Respect to Neural Differentiation. Cell Reports, 2015, 10, 616-632.	2.9	28
56	Direct wavefront sensing for high-resolution in vivo imaging in scattering tissue. Nature Communications, 2015, 6, 7276.	5.8	208
57	Hypothalamic prolyl endopeptidase (PREP) regulates pancreatic insulin and glucagon secretion in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11876-11881.	3.3	26
58	Serotonergic versus Nonserotonergic Dorsal Raphe Projection Neurons: Differential Participation in Reward Circuitry. Cell Reports, 2014, 8, 1857-1869.	2.9	170
59	The beneficial effect of a prolyl oligopeptidase inhibitor, KYP-2047, on alpha-synuclein clearance and autophagy in A30P transgenic mouse. Neurobiology of Disease, 2014, 68, 1-15.	2.1	75
60	SERCaMP: a carboxy-terminal protein modification that enables monitoring of ER calcium homeostasis. Molecular Biology of the Cell, 2014, 25, 2828-2839.	0.9	54
61	PDYN, a gene implicated in brain/mental disorders, is targeted by REST in the adult human brain. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2014, 1839, 1226-1232.	0.9	14
62	AAV-mediated targeting of gene expression to the peri-infarct region in rat cortical stroke model. Journal of Neuroscience Methods, 2014, 236, 107-113.	1.3	12
63	MANF Is Indispensable for the Proliferation and Survival of Pancreatic Î² Cells. Cell Reports, 2014, 7, 366-375.	2.9	161
64	Cortical activation of accumbens hyperpolarization-active NMDARs mediates aversion-resistant alcohol intake. Nature Neuroscience, 2013, 16, 1094-1100.	7.1	281
65	Hypothalamic proteoglycan syndecan-3 is a novel cocaine addiction resilience factor. Nature Communications, 2013, 4, 1955.	5.8	26
66	Optogenetic Inhibition of Dorsal Medial Prefrontal Cortex Attenuates Stress-Induced Reinstatement of Palatable Food Seeking in Female Rats. Journal of Neuroscience, 2013, 33, 214-226.	1.7	64
67	Mesencephalic Astrocyte-derived Neurotrophic Factor (MANF) Secretion and Cell Surface Binding Are Modulated by KDEL Receptors. Journal of Biological Chemistry, 2013, 288, 4209-4225.	1.6	127
68	CART Peptide Induces Neuroregeneration in Stroke Rats. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 300-310.	2.4	38
69	Glial Cell Line-Derived Neurotrophic Factor Partially Ameliorates Motor Symptoms without Slowing Neurodegeneration in Mice with Respiratory Chain-Deficient Dopamine Neurons. Cell Transplantation, 2013, 22, 1529-1539.	1.2	5
70	Local Administration of AAV-BDNF to Subventricular Zone Induces Functional Recovery in Stroke Rats. PLoS ONE, 2013, 8, e81750.	1.1	51
71	Genetic deletion of trkB.T1 increases neuromuscular function. American Journal of Physiology - Cell Physiology, 2012, 302, C141-C153.	2.1	32
72	CDNF Protects the Nigrostriatal Dopamine System and Promotes Recovery after MPTP Treatment in Mice. Cell Transplantation, 2012, 21, 1213-1223.	1.2	112

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73	Methamphetamine activates nuclear factor kappa-light-chain-enhancer of activated B cells (NF-Î²B) and induces human immunodeficiency virus (HIV) transcription in human microglial cells. Journal of NeuroVirology, 2012, 18, 400-410.	1.0	56
74	Exendin-4 Ameliorates Motor Neuron Degeneration in Cellular and Animal Models of Amyotrophic Lateral Sclerosis. PLoS ONE, 2012, 7, e32008.	1.1	101
75	Suppression of endogenous PPARÎ³ increases vulnerability to methamphetamine-induced injury in mouse nigrostriatal dopaminergic pathway. Psychopharmacology, 2012, 221, 479-492.	1.5	9
76	FACS purification of immunolabeled cell types from adult rat brain. Journal of Neuroscience Methods, 2012, 203, 10-18.	1.3	119
77	Post-treatment with amphetamine enhances reinnervation of the ipsilateral side cortex in stroke rats. NeuroImage, 2011, 56, 280-289.	2.1	39
78	Is GDNF beneficial in Parkinson disease?. Nature Reviews Neurology, 2011, 7, 600-602.	4.9	19
79	Targeted Over-Expression of Glutamate Transporter 1 (GLT-1) Reduces Ischemic Brain Injury in a Rat Model of Stroke. PLoS ONE, 2011, 6, e22135.	1.1	94
80	Endogenous GDNF in ventral tegmental area and nucleus accumbens does not play a role in the incubation of heroin craving. Addiction Biology, 2011, 16, 261-272.	1.4	52
81	Methamphetamine potentiates behavioral and electrochemical responses after mild traumatic brain injury in mice. Brain Research, 2011, 1368, 248-253.	1.1	11
82	Transgenic animal models of neurodegeneration based on human genetic studies. Journal of Neural Transmission, 2011, 118, 27-45.	1.4	38
83	FACS Identifies Unique Cocaine-Induced Gene Regulation in Selectively Activated Adult Striatal Neurons. Journal of Neuroscience, 2011, 31, 4251-4259.	1.7	81
84	Up-Regulation of A-Type Potassium Currents Protects Neurons Against Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1823-1835.	2.4	24
85	Glutamatergic and Nonglutamatergic Neurons of the Ventral Tegmental Area Establish Local Synaptic Contacts with Dopaminergic and Nondopaminergic Neurons. Journal of Neuroscience, 2010, 30, 218-229.	1.7	202
86	Viral vectors for neurotrophic factor delivery: A gene therapy approach for neurodegenerative diseases of the CNS. Pharmacological Research, 2010, 61, 14-26.	3.1	116
87	Widespread cortical expression of MANF by AAV serotype 7: Localization and protection against ischemic brain injury. Experimental Neurology, 2010, 225, 104-113.	2.0	78
88	Sigma-1 receptors regulate hippocampal dendritic spine formation via a free radical-sensitive mechanism involving Rac1Â·GTP pathway. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22468-22473.	3.3	145
89	GLP-1 receptor stimulation preserves primary cortical and dopaminergic neurons in cellular and rodent models of stroke and Parkinsonism. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1285-1290.	3.3	483
90	Astaxanthin reduces ischemic brain injury in adult rats. FASEB Journal, 2009, 23, 1958-1968.	0.2	119

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91	Rapid, longâ€term labeling of cells in the developing and adult rodent visual cortex using doubleâ€stranded adenoâ€associated viral vectors. Developmental Neurobiology, 2009, 69, 674-688.	1.5	16
92	9â€Cisâ€retinoic acid reduces ischemic brain injury in rodents via bone morphogenetic protein. Journal of Neuroscience Research, 2009, 87, 545-555.	1.3	33
93	Targeted disruption of cocaine-activated nucleus accumbens neurons prevents context-specific sensitization. Nature Neuroscience, 2009, 12, 1069-1073.	7.1	230
94	Diadenosine tetraphosphate reduces toxicity caused by high-dose methamphetamine administration. NeuroToxicology, 2009, 30, 436-444.	1.4	14
95	Role of Ventral Tegmental Area Glial Cell Lineâ€“Derived Neurotrophic Factor in Incubation of Cocaine Craving. Biological Psychiatry, 2009, 66, 137-145.	0.7	105
96	Tropism and toxicity of adeno-associated viral vector serotypes 1, 2, 5, 6, 7, 8, and 9 in rat neurons and glia in vitro. Virology, 2008, 372, 24-34.	1.1	129
97	Bone morphogenetic protein-7 reduces toxicity induced by high doses of methamphetamine in rodents. Neuroscience, 2008, 151, 92-103.	1.1	40
98	MPTPâ€induced deficits in striatal synaptic plasticity are prevented by glial cell lineâ€derived neurotrophic factor expressed via an adenoâ€associated viral vector. FASEB Journal, 2008, 22, 261-275.	0.2	51
99	An Immortalized Rat Ventral Mesencephalic Cell Line, RTC4, Is Protective in a Rodent Model of Stroke. Cell Transplantation, 2007, 16, 483-491.	1.2	6
100	Neurotrophic factors for the treatment of Parkinson's disease. Parkinsonism and Related Disorders, 2007, 13, S321-S328.	1.1	17
101	Apoptotic and behavioral sequelae of mild brain trauma in mice. Journal of Neuroscience Research, 2007, 85, 805-815.	1.3	88
102	Tolerance to opiate reward: role of midbrain IRS2-Akt pathway. Nature Neuroscience, 2007, 10, 9-10.	7.1	7
103	Neuroregenerative effects of BMP7 after stroke in rats. Journal of the Neurological Sciences, 2006, 240, 21-29.	0.3	83
104	Activation of adenosine A3 receptors reduces ischemic brain injury in rodents. Journal of Neuroscience Research, 2006, 84, 1848-1855.	1.3	98
105	Inosine, Calcium Channels, and Neuroprotection Against Ischemic Brain Injury. Stroke, 2005, 36, 1823-1823.	1.0	4
106	Stroke and TGF-Î² proteins: glial cell line-derived neurotrophic factor and bone morphogenetic protein. , 2005, 105, 113-125.		71
107	Inosine Reduces Ischemic Brain Injury in Rats. Stroke, 2005, 36, 654-659.	1.0	106
108	Dietary supplementation with blueberries, spinach, or spirulina reduces ischemic brain damage. Experimental Neurology, 2005, 193, 75-84.	2.0	171

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109	Mediation of BMP7 neuroprotection by MAPK and PKC IN rat primary cortical cultures. Brain Research, 2004, 1010, 55-61.	1.1	33
110	Neurotrophic effects of bone morphogenetic protein-7 in a rat model of Parkinson's disease. Brain Research, 2004, 1022, 88-95.	1.1	33
111	Dopaminergic Differentiation of Human Embryonic Stem Cells. Stem Cells, 2004, 22, 925-940.	1.4	329
112	Midkine and retinoic acid reduce cerebral infarction induced by middle cerebral artery ligation in rats. Neuroscience Letters, 2004, 369, 138-141.	1.0	39
113	HSV amplicon delivery of glial cell line-derived neurotrophic factor is neuroprotective against ischemic injury. Experimental Neurology, 2003, 183, 47-55.	2.0	63
114	Diadenosine Tetraphosphate Protects against Injuries Induced by Ischemia and 6-Hydroxydopamine in Rat Brain. Journal of Neuroscience, 2003, 23, 7958-7965.	1.7	64
115	Gene therapeutic approaches to the treatment of Parkinson's disease. Clinical Neuroscience Research, 2001, 1, 483-495.	0.8	7