

# Kari R Hoyt

## List of Publications by Citations

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36

papers

1,760

citations

21

h-index

36

g-index

36

ext. papers

1,921

ext. citations

5.5

avg, IF

4.21

L-index

#	Paper	IF	Citations
36	Metformin therapy in a transgenic mouse model of Huntington's disease. <i>Neuroscience Letters</i> , <b>2007</b> , 411, 98-103	3.3	172
35	Nitric oxide modulates NMDA-induced increases in intracellular Ca <sup>2+</sup> in cultured rat forebrain neurons. <i>Brain Research</i> , <b>1992</b> , 592, 310-6	3.7	146
34	Activity-dependent neuroprotection and cAMP response element-binding protein (CREB): kinase coupling, stimulus intensity, and temporal regulation of CREB phosphorylation at serine 133. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 1137-48	6.6	143
33	The CREB/CRE transcriptional pathway: protection against oxidative stress-mediated neuronal cell death. <i>Journal of Neurochemistry</i> , <b>2009</b> , 108, 1251-65	6	119
32	Reverse Na <sup>+</sup> /Ca <sup>2+</sup> Exchange Contributes to Glutamate-Induced Intracellular Ca <sup>2+</sup> Concentration Increases in Cultured Rat Forebrain Neurons. <i>Molecular Pharmacology</i> , <b>1998</b> , 53, 742-749	4.3	119
31	Cardiac dysfunction in the R6/2 mouse model of Huntington's disease. <i>Neurobiology of Disease</i> , <b>2007</b> , 25, 297-308	7.5	115
30	IGF-1 receptor-mediated ERK/MAPK signaling couples status epilepticus to progenitor cell proliferation in the subgranular layer of the dentate gyrus. <i>Glia</i> , <b>2008</b> , 56, 791-800	9	113
29	The ERK/MAP kinase pathway couples light to immediate-early gene expression in the suprachiasmatic nucleus. <i>European Journal of Neuroscience</i> , <b>2003</b> , 17, 1617-27	3.5	96
28	Characterization of hydrogen peroxide toxicity in cultured rat forebrain neurons. <i>Neurochemical Research</i> , <b>1997</b> , 22, 333-40	4.6	89
27	CRE-mediated transcription is increased in Huntington's disease transgenic mice. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 791-6	6.6	88
26	Mechanisms of dopamine-induced cell death in cultured rat forebrain neurons: interactions with and differences from glutamate-induced cell death. <i>Experimental Neurology</i> , <b>1997</b> , 143, 269-81	5.7	85
25	Modulation of learning and memory by the targeted deletion of the circadian clock gene Bmal1 in forebrain circuits. <i>Behavioural Brain Research</i> , <b>2016</b> , 308, 222-35	3.4	49
24	Alkalinization prolongs recovery from glutamate-induced increases in intracellular Ca <sup>2+</sup> concentration by enhancing Ca <sup>2+</sup> efflux through the mitochondrial Na <sup>+</sup> /Ca <sup>2+</sup> exchanger in cultured rat forebrain neurons. <i>Journal of Neurochemistry</i> , <b>1998</b> , 71, 1051-8	6	47
23	The role of intracellular Na <sup>+</sup> and mitochondria in buffering of kainate-induced intracellular free Ca <sup>2+</sup> changes in rat forebrain neurones. <i>Journal of Physiology</i> , <b>1998</b> , 509 ( Pt 1), 103-16	3.9	40
22	Trifluoperazine and dibucaine-induced inhibition of glutamate-induced mitochondrial depolarization in rat cultured forebrain neurones. <i>British Journal of Pharmacology</i> , <b>1997</b> , 122, 803-8	8.6	39
21	CREB is a key regulator of striatal vulnerability in chemical and genetic models of Huntington's disease. <i>Neurobiology of Disease</i> , <b>2009</b> , 36, 259-68	7.5	38
20	Clock and light regulation of the CREB coactivator CRT1 in the suprachiasmatic circadian clock. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 9021-7	6.6	37

19	Cyclothiazide modulates AMPA receptor-mediated increases in intracellular free Ca <sup>2+</sup> and Mg <sup>2+</sup> in cultured neurons from rat brain. <i>Journal of Neurochemistry</i> , <b>1995</b> , 64, 2049-56	6	27
18	Activation of Mitofusin2 by Smad2-RIN1 Complex during Mitochondrial Fusion. <i>Molecular Cell</i> , <b>2016</b> , 62, 520-31	17.6	26
17	miR-132 couples the circadian clock to daily rhythms of neuronal plasticity and cognition. <i>Learning and Memory</i> , <b>2018</b> , 25, 214-229	2.8	22
16	A sensitive and selective assay of neuronal degeneration in cell culture. <i>Journal of Neuroscience Methods</i> , <b>2006</b> , 154, 239-44	3	22
15	miR-132/212 is induced by stress and its dysregulation triggers anxiety-related behavior. <i>Neuropharmacology</i> , <b>2019</b> , 144, 256-270	5.5	19
14	Mitogen and stress-activated kinases 1/2 regulate ischemia-induced hippocampal progenitor cell proliferation and neurogenesis. <i>Neuroscience</i> , <b>2015</b> , 285, 292-302	3.9	18
13	The miR-132/212 locus: a complex regulator of neuronal plasticity, gene expression and cognition. <i>RNA &amp; Disease (Houston, Tex)</i> , <b>2016</b> , 3,	1	18
12	Mitogen- and stress-activated kinases regulate progenitor cell proliferation and neuron development in the adult dentate gyrus. <i>Journal of Neurochemistry</i> , <b>2012</b> , 123, 676-88	6	16
11	Metabolic and glutamatergic disturbances in the Huntington's disease transgenic mouse. <i>Annals of the New York Academy of Sciences</i> , <b>1999</b> , 893, 298-300	6.5	16
10	The Phosphorylation of CREB at Serine 133 Is a Key Event for Circadian Clock Timing and Entrainment in the Suprachiasmatic Nucleus. <i>Journal of Biological Rhythms</i> , <b>2018</b> , 33, 497-514	3.2	10
9	Status epilepticus stimulates NDEL1 expression via the CREB/CRE pathway in the adult mouse brain. <i>Neuroscience</i> , <b>2016</b> , 331, 1-12	3.9	8
8	Mitogen- and Stress-Activated Protein Kinase 1 Regulates Status Epilepticus-Evoked Cell Death in the Hippocampus. <i>ASN Neuro</i> , <b>2017</b> , 9, 1759091417726607	5.3	7
7	Bioenergetic and oxidative effects of free 3-nitrotyrosine in culture: selective vulnerability of dopaminergic neurons and increased sensitivity of non-dopaminergic neurons to dopamine oxidation. <i>Journal of Neurochemistry</i> , <b>2007</b> , 103, 131-44	6	7
6	Light-induced changes in the suprachiasmatic nucleus transcriptome regulated by the ERK/MAPK pathway. <i>PLoS ONE</i> , <b>2021</b> , 16, e0249430	3.7	3
5	Circadian expression and functional characterization of PEA-15 within the mouse suprachiasmatic nucleus. <i>European Journal of Neuroscience</i> , <b>2018</b> , 47, 845-857	3.5	2
4	SynGAP is expressed in the murine suprachiasmatic nucleus and regulates circadian-gated locomotor activity and light-entrainment capacity. <i>European Journal of Neuroscience</i> , <b>2021</b> , 53, 732-749	3.5	2
3	Circadian clocks, cognition, and Alzheimer's disease: synaptic mechanisms, signaling effectors, and chronotherapeutics.. <i>Molecular Neurodegeneration</i> , <b>2022</b> , 17, 35	19	2
2	Data highlighting the expression of two miR-132/212 target genes-Sirt1 and Pten-after chronic stress. <i>Data in Brief</i> , <b>2018</b> , 21, 2323-2329	1.2	0

1 Intracellular Signalling in Glutamate Excitotoxicity **1996**, 1-7