Bethann A Mclaughlin

List of Publications by Year
in descending order

54 papers	5,653 citations	186265 28 h-index	189892 50 g-index
56 all docs	56 docs citations	56 times ranked	12583 citing authors

#	Article	IF	Citations
1	Increasing gender diversity in the STEM research workforce. Science, 2019, 366, 692-695.	12.6	52
2	Defending harassers harms victims. Science, 2019, 363, 355-355.	12.6	0
3	Alterations in the E3 ligases Parkin and CHIP result in unique metabolic signaling defects and mitochondrial quality control issues. Neurochemistry International, 2018, 117, 139-155.	3.8	6
4	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. Cell Death and Differentiation, 2018, 25, 542-572.	11.2	120
5	Neuronal Preconditioning Requires the Mitophagic Activity of C-terminus of HSC70-Interacting Protein. Journal of Neuroscience, 2018, 38, 6825-6840.	3.6	31
6	Analysis of a Nitroreductase-Based Hypoxia Sensor in Primary Neuronal Cultures. ACS Chemical Neuroscience, 2016, 7, 1188-1191.	3.5	10
7	Dynamic Phosphorylation of Apoptosis Signal Regulating Kinase 1 (ASK1) in Response to Oxidative and Electrophilic Stress. Chemical Research in Toxicology, 2016, 29, 2175-2183.	3.3	10
8	Silent Cerebral Small Vessel Disease in Restless Legs Syndrome. Sleep, 2016, 39, 1371-1377.	1.1	31
9	Assembly Dynamics and Stoichiometry of the Apoptosis Signal-regulating Kinase (ASK) Signalosome in Response to Electrophile Stress. Molecular and Cellular Proteomics, 2016, 15, 1947-1961.	3.8	29
10	Intraarterial administration of norcantharidin attenuates ischemic stroke damage in rodents when given at the time of reperfusion: novel uses of endovascular capabilities. Journal of Neurosurgery, 2016, 125, 152-159.	1.6	9
11	CHIP Is an Essential Determinant of Neuronal Mitochondrial Stress Signaling. Antioxidants and Redox Signaling, 2015, 23, 535-549.	5.4	25
12	Genetic Models of Parkinsonâ€™s Disease. , 2015, , 289-314.		0
13	Redox modification of proteins as essential mediators of CNS autophagy and mitophagy. FEBS Letters, 2013, 587, 2291-2298.	2.8	30
14	Neurovascular unit on a chip: implications for translational applications. Stem Cell Research and Therapy, 2013, 4, S18.	5.5	56
15	Poised for Success: Implementation of Sound Conditioning Strategies to Promote Endogenous Protective Responses to Stroke in Patients. Translational Stroke Research, 2013, 4, 104-113.	4.2	8
16	Enrichment of Elevated Plasma F2t-Isoprostane Levels in Individuals with Autism Who Are Stratified by Presence of Gastrointestinal Dysfunction. PLoS ONE, 2013, 8, e68444.	2.5	30
17	Alteration of Isocitrate Dehydrogenase Following Acute Ischemic Injury as a Means to Improve Cellular Energetic Status in Neuroadaptation. CNS and Neurological Disorders - Drug Targets, 2013, 12, 849-860.	1.4	12
18	The Role of Central Nervous System Development in Late-Onset Neurodegenerative Disorders. Developmental Neuroscience, 2012, 34, 129-139.	2.0	10

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19	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
20	Haploinsufficiency of the E3 Ubiquitin Ligase C-Terminus of Heat Shock Cognate 70 Interacting Protein (CHIP) Produces Specific Behavioral Impairments. PLoS ONE, 2012, 7, e36340.	2.5	24
21	Metabolic Multianalyte Microphysiometry Reveals Extracellular Acidosis is an Essential Mediator of Neuronal Preconditioning. ACS Chemical Neuroscience, 2012, 3, 510-518.	3.5	18
22	Perioperative Plasma F2-Isoprostane Levels Correlate With Markers of Impaired Ventilation in Infants With Single-Ventricle Physiology Undergoing Stage 2 Surgical Palliation on the Cardiopulmonary Bypass. Pediatric Cardiology, 2012, 33, 562-568.	1.3	14
23	C-Terminus of Heat Shock Cognate 70 Interacting Protein Increases Following Stroke and Impairs Survival Against Acute Oxidative Stress. Antioxidants and Redox Signaling, 2011, 14, 1787-1801.	5.4	31
24	The fatty acid oxidation product 15â€A_{3t}â€Isoprostane is a potent inhibitor of NFÎºB transcription and macrophage transformation. Journal of Neurochemistry, 2011, 119, 604-616.	3.9	26
25	Analysis of Protein Targets by Oxidative Stress Using the OxyBlot and Biotinâ€“Avidin-Capture Methodology. Neuromethods, 2011, , 365-381.	0.3	6
26	Assessing Neuronal Bioenergetic Status. Methods in Molecular Biology, 2011, 758, 215-235.	0.9	13
27	Essential Role of the Redox-Sensitive Kinase p66^{shc}in Determining Energetic and Oxidative Status and Cell Fate in Neuronal Preconditioning. Journal of Neuroscience, 2010, 30, 5242-5252.	3.6	35
28	p66shc's role as an essential mitophaghic molecule in controlling neuronal redox and energetic tone. Autophagy, 2010, 6, 948-949.	9.1	8
29	New Approaches to Neuroprotection in Infant Heart Surgery. Pediatric Research, 2010, 68, 1-9.	2.3	30
30	Neuron specific metabolic adaptations following multi-day exposures to oxygen glucose deprivation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 1095-1104.	3.8	30
31	Neurotoxic lipid peroxidation species formed by ischemic stroke increase injury. Free Radical Biology and Medicine, 2009, 47, 1422-1431.	2.9	38
32	Manganese exposure is cytotoxic and alters dopaminergic and GABAergic neurons within the basal ganglia. Journal of Neurochemistry, 2009, 110, 378-389.	3.9	108
33	Wagging the dogâ€moving closer to features defined by basic scientists, the protection of prodromal transient ischaemic attacks reveals itself. European Journal of Neurology, 2008, 15, 755-756.	3.3	1
34	Electrophilic Cyclopentenone Neuroprostanes Are Anti-inflammatory Mediators Formed from the Peroxidation of the Ï‰-3 Polyunsaturated Fatty Acid Docosahexaenoic Acid. Journal of Biological Chemistry, 2008, 283, 19927-19935.	3.4	122
35	Neurotoxic Potential of Depleted Uraniumâ€”Effects in Primary Cortical Neuron Cultures and in Caenorhabditis elegans. Toxicological Sciences, 2007, 99, 553-565.	3.1	34
36	Slit modulates cerebrovascular inflammation and mediates neuroprotection against global cerebral ischemia. Experimental Neurology, 2007, 207, 186-194.	4.1	25

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37	Killer Proteases and Little Strokesâ€"How the Things that do not Kill You Make You Stronger. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 655-668.	4.3	30
38	Electrophilic Cyclopentenone Isoprostanes in Neurodegeneration. Journal of Molecular Neuroscience, 2007, 33, 80-86.	2.3	18
39	Cyclopentenone isoprostanes are novel bioactive products of lipid oxidation which enhance neurodegeneration. Journal of Neurochemistry, 2006, 97, 1301-1313.	3.9	75
40	PII-5Development of a novel liquid chromatography-mass spectrometric assay to measure formation of highly reactive cyclopentenone isoprostanes in vivo. Clinical Pharmacology and Therapeutics, 2006, 79, P36-P36.	4.7	0
41	Cyclopentenone Eicosanoids as Mediators of Neurodegeneration: A Pathogenic Mechanism of Oxidative Stress-Mediated and Cyclooxygenase-Mediated Neurotoxicity. Brain Pathology, 2005, 15, 149-158.	4.1	51
42	The ubiquitin-proteasome system as a drug target in cerebrovascular disease: therapeutic potential of proteasome inhibitors. Current Opinion in Investigational Drugs, 2005, 6, 686-99.	2.3	17
43	The kinder side of killer proteases: Caspase activation contributes to neuroprotection and CNS remodeling. Apoptosis: an International Journal on Programmed Cell Death, 2004, 9, 111-121.	4.9	75
44	Caspase 3 activation is essential for neuroprotection in preconditioning. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 715-720.	7.1	261
45	Protein kinases and light: unlikely partners in a receptor localization puzzle. Physiology and Behavior, 2002, 77, 533-536.	2.1	5
46	<i>In Vitro</i>Neurotoxicity of Methylisothiazolinone, a Commonly Used Industrial and Household Biocide, Proceeds via a Zinc and Extracellular Signal-Regulated Kinase Mitogen-Activated Protein Kinase-Dependent Pathway. Journal of Neuroscience, 2002, 22, 7408-7416.	3.6	77
47	The selective p38 inhibitor SB-239063 protects primary neurons from mild to moderate excitotoxic injury. European Journal of Pharmacology, 2002, 447, 37-42.	3.5	57
48	Induction of Neuronal Apoptosis by Thiol Oxidation. Journal of Neurochemistry, 2002, 75, 1878-1888.	3.9	347
49	p38 Activation Is Required Upstream of Potassium Current Enhancement and Caspase Cleavage in Thiol Oxidant-Induced Neuronal Apoptosis. Journal of Neuroscience, 2001, 21, 3303-3311.	3.6	156
50	Selective inhibitors of apoptotic caspases: implications for novel therapeutic strategies. Drug Discovery Today, 2001, 6, 85-91.	6.4	33
51	Methylmalonate toxicity in primary neuronal cultures. Neuroscience, 1998, 86, 279-290.	2.3	98
52	Toxicity of Dopamine to Striatal Neurons In Vitro and Potentiation of Cell Death by a Mitochondrial Inhibitor. Journal of Neurochemistry, 1998, 70, 2406-2415.	3.9	155
53	Evidence of excitotoxicity in the brain of the ornithine carbamoyltransferase deficient sparse fur mouse. Developmental Brain Research, 1995, 90, 35-44.	1.7	43
54	Dopamine Neurotoxicity and Neurodegeneration. , 0, , 195-231.		1