

Cathy W Levenson

List of Publications by Citations

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73
papers

1,990
citations

27
h-index

41
g-index

77
ext. papers

2,224
ext. citations

4.6
avg, IF

5.06
L-index

#	Paper	IF	Citations
73	Zinc deficiency impairs neuronal precursor cell proliferation and induces apoptosis via p53-mediated mechanisms. <i>Brain Research</i> , 2008 , 1237, 52-61	3.7	109
72	Zinc in the central nervous system: From molecules to behavior. <i>BioFactors</i> , 2012 , 38, 186-93	6.1	106
71	Zinc deficiency induces depression-like symptoms in adult rats. <i>Physiology and Behavior</i> , 2008 , 95, 365-9	3.5	96
70	Zinc and neurogenesis: making new neurons from development to adulthood. <i>Advances in Nutrition</i> , 2011 , 2, 96-100	10	87
69	Integrated and passive 1,2,3-triazolyl groups in fluorescent indicators for zinc(II) ions: thermodynamic and kinetic evaluations. <i>Inorganic Chemistry</i> , 2013 , 52, 5838-50	5.1	62
68	Iron and ageing: an introduction to iron regulatory mechanisms. <i>Ageing Research Reviews</i> , 2004 , 3, 251-63	6.2	61
67	Genistein reduces the production of proinflammatory molecules in human chondrocytes. <i>Journal of Nutritional Biochemistry</i> , 2007 , 18, 609-14	6.3	59
66	Trace metal regulation of neuronal apoptosis: from genes to behavior. <i>Physiology and Behavior</i> , 2005 , 86, 399-406	3.5	57
65	Dopamine transporters participate in the physiological regulation of prolactin. <i>Endocrinology</i> , 2000 , 141, 366-74	4.8	54
64	Zinc: the new antidepressant?. <i>Nutrition Reviews</i> , 2006 , 64, 39-42	6.4	52
63	Role of dietary iron restriction in a mouse model of Parkinson's disease. <i>Experimental Neurology</i> , 2004 , 190, 506-14	5.7	51
62	Zinc supplementation provides behavioral resiliency in a rat model of traumatic brain injury. <i>Physiology and Behavior</i> , 2011 , 104, 942-7	3.5	49
61	Role of zinc in the development and treatment of mood disorders. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2010 , 13, 685-9	3.8	49
60	Tumor suppressor protein p53 mRNA and subcellular localization are altered by changes in cellular copper in human Hep G2 cells. <i>Journal of Nutrition</i> , 2001 , 131, 1427-32	4.1	47
59	Response of rat adrenal neuropeptide Y and tyrosine hydroxylase mRNA to acute stress is enhanced by long-term voluntary exercise. <i>Neuroscience Letters</i> , 1998 , 242, 177-9	3.3	43
58	Use of zinc as a treatment for traumatic brain injury in the rat: effects on cognitive and behavioral outcomes. <i>Neurorehabilitation and Neural Repair</i> , 2012 , 26, 907-13	4.7	42
57	Long-term measurement of organ copper turnover in rats by continuous feeding of a stable isotope. <i>Analytical Biochemistry</i> , 1994 , 221, 243-9	3.1	40

56	Ion channels and zinc: mechanisms of neurotoxicity and neurodegeneration. <i>Journal of Toxicology</i> , 2012 , 2012, 785647	3.1	39
55	Chronic caloric restriction reduces tissue damage and improves spatial memory in a rat model of traumatic brain injury. <i>Journal of Neuroscience Research</i> , 2010 , 88, 2933-9	4.4	39
54	A gold nanoparticle pentapeptide: gene fusion to induce therapeutic gene expression in mesenchymal stem cells. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14763-71	16.4	37
53	Gestational vitamin D deficiency: long-term effects on the brain. <i>Nutrition Reviews</i> , 2008 , 66, 726-9	6.4	34
52	Iron and Parkinson's disease: chelators to the rescue?. <i>Nutrition Reviews</i> , 2003 , 61, 311-3	6.4	34
51	Zinc deficiency induces apoptosis via mitochondrial p53- and caspase-dependent pathways in human neuronal precursor cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015 , 30, 59-65	4.1	33
50	Zinc deficiency regulates hippocampal gene expression and impairs neuronal differentiation. <i>Nutritional Neuroscience</i> , 2013 , 16, 174-82	3.6	32
49	Eat less, live longer? New insights into the role of caloric restriction in the brain. <i>Nutrition Reviews</i> , 2007 , 65, 412-5	6.4	32
48	Zinc regulation of food intake: new insights on the role of neuropeptide Y. <i>Nutrition Reviews</i> , 2003 , 61, 247-9	6.4	31
47	In vivo magnetic resonance imaging of sodium and diffusion in rat glioma at 21.1 T. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 1159-66	4.4	29
46	Neurotoxicity of Zinc. <i>Advances in Neurobiology</i> , 2017 , 18, 303-312	2.1	27
45	Zinc inhibits the nuclear translocation of the tumor suppressor protein p53 and protects cultured human neurons from copper-induced neurotoxicity. <i>NeuroMolecular Medicine</i> , 2002 , 1, 171-82	4.6	27
44	Copper alters the conformation and transcriptional activity of the tumor suppressor protein p53 in human Hep G2 cells. <i>Experimental Biology and Medicine</i> , 2005 , 230, 699-708	3.7	27
43	Moderate zinc deficiency increases cell death after brain injury in the rat. <i>Nutritional Neuroscience</i> , 2002 , 5, 345-52	3.6	27
42	Regulation of cysteine-rich intestinal protein by dexamethasone in the neonatal rat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 712-5	11.5	27
41	Expression profiling of p53-target genes in copper-mediated neuronal apoptosis. <i>NeuroMolecular Medicine</i> , 2005 , 7, 311-24	4.6	25
40	Balance between fluorescence enhancement and association affinity in fluorescent heteroditopic indicators for imaging zinc ion in living cells. <i>Inorganic Chemistry</i> , 2011 , 50, 10493-504	5.1	24
39	Too much of a good thing? Update on fish consumption and mercury exposure. <i>Nutrition Reviews</i> , 2006 , 64, 139-45	6.4	24

38	Licania michauxii Prance root extract induces hsp 70 mRNA and necrotic cell death in cultured human hepatoma and colon carcinoma cell lines. <i>Cancer Letters</i> , 2000 , 149, 61-8	9.9	24
37	Free zinc increases at the site of injury after cortical stab wounds in mature but not immature rat brain. <i>Neuroscience Letters</i> , 1999 , 277, 75-8	3.3	24
36	Improving treatments and outcomes: an emerging role for zinc in traumatic brain injury. <i>Nutrition Reviews</i> , 2012 , 70, 410-3	6.4	23
35	Regulation of metabolic rate and substrate utilization by zinc deficiency. <i>Metabolism: Clinical and Experimental</i> , 2004 , 53, 727-32	12.7	23
34	Effect of zinc supplementation on neuronal precursor proliferation in the rat hippocampus after traumatic brain injury. <i>Experimental Neurology</i> , 2016 , 279, 96-103	5.7	18
33	Regulation of neuropeptide Y in the rat amygdala following unilateral olfactory bulbectomy. <i>Brain Research</i> , 2002 , 951, 69-76	3.7	18
32	Zinc supplementation: neuroprotective or neurotoxic?. <i>Nutrition Reviews</i> , 2005 , 63, 122-5	6.4	18
31	Zinc in traumatic brain injury: from neuroprotection to neurotoxicity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013 , 16, 708-11	3.8	17
30	Regulation of metallothionein-3 mRNA by thyroid hormone in developing rat brain and primary cultures of rat astrocytes and neurons. <i>Developmental Brain Research</i> , 1999 , 115, 195-200		17
29	Developmental regulation of hepatic ceruloplasmin mRNA and serum activity by exogenous thyroxine and dexamethasone. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , 1999 , 221, 27-31		16
28	Selective Uptake Into Drug Resistant Mammalian Cancer by Cell Penetrating Peptide-Mediated Delivery. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3273-3284	6.3	16
27	Zinc regulation of transcriptional activity during retinoic acid-induced neuronal differentiation. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 1940-4	6.3	15
26	Effect of retinoic acid on ferritin H expression during brain development and neuronal differentiation. <i>Nutritional Neuroscience</i> , 2003 , 6, 39-45	3.6	15
25	Mechanisms of copper conservation in organs. <i>American Journal of Clinical Nutrition</i> , 1998 , 67, 978S-981S		15
24	Use of human mesenchymal stem cell treatment to prevent anhedonia in a rat model of traumatic brain injury. <i>Restorative Neurology and Neuroscience</i> , 2016 , 34, 433-41	2.8	15
23	Effect of altered thyroid hormone status on rat brain ferritin H and ferritin L mRNA during postnatal development. <i>Developmental Brain Research</i> , 2000 , 119, 105-9		14
22	Regulation of neuropeptide Y mRNA and peptide concentrations by copper in rat olfactory bulb. <i>Molecular Brain Research</i> , 1999 , 65, 80-6		14
21	Neuropeptide Y modulates excitatory synaptic transmission in the olfactory bulb. <i>Neuroscience</i> , 2006 , 138, 663-74	3.9	13

20	Regulation of the NMDA receptor: implications for neuropsychological development. <i>Nutrition Reviews</i> , 2006 , 64, 428-32	6.4	11
19	Human Mesenchymal Stem Cell Treatment Normalizes Cortical Gene Expression after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017 , 34, 204-212	5.4	10
18	Expression of cysteine-rich intestinal protein in rat intestine and transfected cells is not zinc dependent. <i>Journal of Nutrition</i> , 1994 , 124, 13-7	4.1	9
17	Nutritionally regulated biomarkers for breast cancer. <i>Nutrition Reviews</i> , 2008 , 66, 163-6	6.4	5
16	Zinc Regulation of Cobalt-Induced Apoptosis in Cultured Human Neurons. <i>Nutritional Neuroscience</i> , 2000 , 3, 425-433	3.6	5
15	Self-selection of copper-containing diets by copper-deficient and overloaded rats. <i>Physiology and Behavior</i> , 2000 , 71, 117-21	3.5	5
14	Nutritional Supplementation Concurrent with Nutrition Education Accelerates the Wound Healing Process in Patients with Diabetic Foot Ulcers. <i>Biomedicine</i> , 2020 , 8,	4.8	5
13	Zinc and Traumatic Brain Injury: From Chelation to Supplementation. <i>Medical Sciences (Basel, Switzerland)</i> , 2020 , 8,	3.3	4
12	Regulation of mitochondrial cytochrome b mRNA by copper in cultured human hepatoma cells and rat liver. <i>Biological Trace Element Research</i> , 1999 , 70, 149-64	4.5	3
11	The Relationship between Protein Intake and Source on Factors Associated with Glycemic Control in Individuals with Prediabetes and Type 2 Diabetes. <i>Nutrients</i> , 2020 , 12,	6.7	2
10	Variability and uncertainty in the rodent controlled cortical impact model of traumatic brain injury. <i>Journal of Neuroscience Methods</i> , 2019 , 312, 37-42	3	2
9	Nutritional Care for Patients With Esophageal Cancer. <i>Topics in Clinical Nutrition</i> , 2019 , 34, 2-13	0.4	1
8	Repetitive Mild Traumatic Brain Injury in a Perinatal Nicotine Exposure Mouse Model of Attention Deficit Hyperactivity Disorder. <i>Developmental Neuroscience</i> , 2021 , 43, 63-72	2.2	1
7	Abg1 : a novel gene up-regulated by abscisic acid in guard cells of <i>Vicia faba</i> L.. <i>Journal of Experimental Botany</i> , 2000 , 51, 1479-1480	7	
6	Role of zinc in p53-mediated proliferation and apoptosis of human neuronal precursor cells. <i>FASEB Journal</i> , 2006 , 20, A995	0.9	
5	Use of MRI, metabolomic, and genomic biomarkers to identify mechanisms of chemoresistance in glioma. 2019 , 2, 862-876		
4	Effect of caloric restriction on memory and tissue damage following traumatic brain injury in the rat. <i>FASEB Journal</i> , 2009 , 23, 553.3	0.9	
3	Nuclear and mitochondrial functions of p53 in zinc deficient human neuronal precursor cells. <i>FASEB Journal</i> , 2009 , 23, 922.8	0.9	

- 2 Zinc deficiency regulates TGF-beta signaling, nuclear receptor activity, and neuronal differentiation in human neuronal precursor cells. *FASEB Journal*, **2012**, 26, 255.3 0.9
- 1 Zinc supplementation normalizes gene expression and enhances neurogenesis in a rat model of traumatic brain injury. *FASEB Journal*, **2013**, 27, 234.1 0.9