Jane E Cavanaugh

List of Publications by Year
in descending order

28 papers	1,849 citations	567144 15 h-index	501076 28 g-index
28 all docs	28 docs citations	28 times ranked	2451 citing authors

#	Article	IF	Citations
1	Neuroprotection by Brain-derived Neurotrophic Factor Is Mediated by Extracellular Signal-regulated Kinase and Phosphatidylinositol 3-Kinase. Journal of Biological Chemistry, 1999, 274, 22569-22580.	1.6	506
2	Role of Glycogen Synthase Kinase-3Î² in Neuronal Apoptosis Induced by Trophic Withdrawal. Journal of Neuroscience, 2000, 20, 2567-2574.	1.7	439
3	Differential Regulation of Mitogen-Activated Protein Kinases ERK1/2 and ERK5 by Neurotrophins, Neuronal Activity, and cAMP in Neurons. Journal of Neuroscience, 2001, 21, 434-443.	1.7	180
4	ERK5 activation of MEF2-mediated gene expression plays a critical role in BDNF-promoted survival of developing but not mature cortical neurons. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8532-8537.	3.3	148
5	Oncogenic signaling of MEK5-ERK5. Cancer Letters, 2017, 392, 51-59.	3.2	88
6	Neuroprotective role of ERK1/2 and ERK5 in a dopaminergic cell line under basal conditions and in response to oxidative stress. Journal of Neuroscience Research, 2006, 84, 1367-1375.	1.3	85
7	Role of extracellular signal regulated kinaseâ€ƒ5 in neuronal survival. FEBS Journal, 2004, 271, 2056-2059.	0.2	80
8	Rapid activation of ERK by 6â€hydroxydopamine promotes survival of dopaminergic cells. Journal of Neuroscience Research, 2008, 86, 108-117.	1.3	54
9	The role of ERK1, 2, and 5 in dopamine neuron survival during aging. Neurobiology of Aging, 2014, 35, 669-679.	1.5	21
10	Resveratrol and pinostilbene confer neuroprotection against aging-related deficits through an ERK1/2-dependent mechanism. Journal of Nutritional Biochemistry, 2018, 54, 77-86.	1.9	21
11	Protective effects of the resveratrol analog piceid in dopaminergic SH-SY5Y cells. Archives of Toxicology, 2018, 92, 669-677.	1.9	19
12	Structure activity relationships of anthranilic acid-based compounds on cellular and in vivo mitogen activated protein kinase-5 signaling pathways. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2294-2301.	1.0	18
13	Novel Diphenylamine Analogs Induce Mesenchymal to Epithelial Transition in Triple Negative Breast Cancer. Frontiers in Oncology, 2019, 9, 672.	1.3	18
14	Development and characterization of resveratrol nanoemulsions carrying dual-imaging agents. Therapeutic Delivery, 2016, 7, 795-808.	1.2	17
15	Pharmacological inhibition of the MEK5/ERK5 and PI3K/Akt signaling pathways synergistically reduces viability in tripleâ€negative breast cancer. Journal of Cellular Biochemistry, 2020, 121, 1156-1168.	1.2	16
16	Dietary supplementation with resveratrol protects against striatal dopaminergic deficits produced by in utero LPS exposure. Brain Research, 2014, 1573, 37-43.	1.1	15
17	Improved Flux of Levodopa via Direct Deposition of Solid Microparticles on Nasal Tissue. AAPS PharmSciTech, 2017, 18, 904-912.	1.5	15
18	Central amygdala activation of extracellular signal-regulated kinase 1 and age-dependent changes in inflammatory pain sensitivity in mice. Neurobiology of Aging, 2017, 56, 100-107.	1.5	14

#	Article	IF	Citations
19	Competency, Programming, and Emerging Innovation in Graduate Education within Schools of Pharmacy: The Report of the 2016-2017 Research and Graduate Affairs Committee. American Journal of Pharmaceutical Education, 2017, 81, S11.	0.7	14
20	L-DOPA reverses motor deficits associated with normal aging in mice. Neuroscience Letters, 2011, 489, 1-4.	1.0	13
21	Loss of motor coordination in an aging mouse model. Behavioural Brain Research, 2014, 267, 119-125.	1.2	13
22	ERK5 Is Required for Tumor Growth and Maintenance Through Regulation of the Extracellular Matrix in Triple Negative Breast Cancer. Frontiers in Oncology, 2020, 10, 1164.	1.3	13
23	Molecular Mechanisms of Epithelial to Mesenchymal Transition Regulated by ERK5 Signaling. Biomolecules, 2021, 11, 183.	1.8	13
24	ERK1, 2, and 5 expression and activation in dopaminergic brain regions during postnatal development. International Journal of Developmental Neuroscience, 2015, 46, 44-50.	0.7	9
25	Breaking Down Barriers to Pharmacy Graduate Education: The Report of the 2017-2018 Research and Graduate Affairs Committee. American Journal of Pharmaceutical Education, 2018, 82, 7147.	0.7	9
26	Dual inhibition of MEK1/2 and MEK5 suppresses the EMT/migration axis in tripleâ€negative breast cancer through FRAâ€1 regulation. Journal of Cellular Biochemistry, 2021, 122, 835-850.	1.2	5
27	Diverse and converging roles of ERK1/2 and ERK5 pathways on mesenchymal to epithelial transition in breast cancer. Translational Oncology, 2021, 14, 101046.	1.7	4
28	Constitutive activation of MEK5 promotes a mesenchymal and migratory cell phenotype in triple negative breast cancer. Oncoscience, 2021, 8, 61-71.	0.9	2