

Sanghamitra Bandyopadhyay

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,115
citations

471371

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docs citations

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times ranked

1903
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Developmental Neurotoxicity of As, Cd, and Pb Mixture: Synergistic Action of Metal Mixture in Glial and Neuronal Functions. <i>Toxicological Sciences</i> , 2010, 118, 586-601.	1.4	158
2	Exposure to As-, Cd-, and Pb-Mixture Induces A β 2, Amyloidogenic APP Processing and Cognitive Impairments via Oxidative Stress-Dependent Neuroinflammation in Young Rats. <i>Toxicological Sciences</i> , 2015, 143, 64-80.	1.4	138
3	Attenuation of osteoclastogenesis and osteoclast function by apigenin. <i>Biochemical Pharmacology</i> , 2006, 72, 184-197.	2.0	78
4	Exposure to As, Cd and Pb-mixture impairs myelin and axon development in rat brain, optic nerve and retina. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 242-258.	1.3	71
5	Interleukin-1 β stimulates non-amyloidogenic pathway by β -secretase (ADAM-10 and ADAM-17) cleavage of APP in human astrocytic cells involving p38 MAP kinase. <i>Journal of Neuroscience Research</i> , 2006, 84, 106-118.	1.3	61
6	Anti-apoptotic role of omega-3 fatty acids in developing brain: perinatal hypothyroid rat cerebellum as apoptotic model. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 377-383.	0.7	60
7	Alzheimer's disease therapeutics targeted to the control of amyloid precursor protein translation: Maintenance of brain iron homeostasis. <i>Biochemical Pharmacology</i> , 2014, 88, 486-494.	2.0	55
8	Chronic cerebral hypoperfusion-induced impairment of A β 2 clearance requires HB-EGF-dependent sequential activation of HIF1 β and MMP9. <i>Neurobiology of Disease</i> , 2016, 95, 179-193.	2.1	53
9	Novel drug targets based on metallobiology of Alzheimer's disease. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 1177-1197.	1.5	49
10	From the Cover: Arsenic Induces Hippocampal Neuronal Apoptosis and Cognitive Impairments via an Up-Regulated BMP2/Smad-Dependent Reduced BDNF/TrkB Signaling in Rats. <i>Toxicological Sciences</i> , 2017, 159, 137-158.	1.4	48
11	Novel 5' Untranslated Region Directed Blockers of Iron-Regulatory Protein-1 Dependent Amyloid Precursor Protein Translation: Implications for Down Syndrome and Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e65978.	1.1	44
12	Docosahexaenoic acid up-regulates both PI3K/AKT-dependent <sc>FABP</sc>7 α and <sc>PPAR</sc> β 3 interaction and <sc>MKP</sc>3 that enhance <sc>GFAP</sc> in developing rat brain astrocytes. <i>Journal of Neurochemistry</i> , 2017, 140, 96-113.	2.1	38
13	A High-Throughput Drug Screen Targeted to the 5' Untranslated Region of Alzheimer Amyloid Precursor Protein mRNA. <i>Journal of Biomolecular Screening</i> , 2006, 11, 469-480.	2.6	37
14	Cypermethrin Stimulates GSK3 β -Dependent A β 2 and p-tau Proteins and Cognitive Loss in Young Rats: Reduced HB-EGF Signaling and Downstream Neuroinflammation as Critical Regulators. <i>Molecular Neurobiology</i> , 2016, 53, 968-982.	1.9	34
15	Cypermethrin Induces Astrocyte Apoptosis by the Disruption of the Autocrine/Paracrine Mode of Epidermal Growth Factor Receptor Signaling. <i>Toxicological Sciences</i> , 2012, 125, 473-487.	1.4	30
16	Role of Neuron and Glia in Alzheimer's Disease and Associated Vascular Dysfunction. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 653334.	1.7	28
17	Developmental Exposure to As, Cd, and Pb Mixture Diminishes Skeletal Growth and Causes Osteopenia at Maturity via Osteoblast and Chondrocyte Malfunctioning in Female Rats. <i>Toxicological Sciences</i> , 2013, 134, 207-220.	1.4	23
18	Estrogen deficiency induces memory loss via altered hippocampal HB-EGF and autophagy. <i>Journal of Endocrinology</i> , 2020, 244, 53-70.	1.2	20

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19	Calcium-sensing receptor stimulates secretion of an interferon- γ -induced monokine (CXCL10) and monocyte chemoattractant protein-3 in immortalized GnRH neurons. <i>Journal of Neuroscience Research</i> , 2007, 85, 882-895.	1.3	18
20	Rosiglitazone up-regulates glial fibrillary acidic protein via HB-EGF secreted from astrocytes and neurons through PPAR γ pathway and reduces apoptosis in high-fat diet-fed mice. <i>Journal of Neurochemistry</i> , 2019, 149, 679-698.	2.1	17
21	Arsenic, Cadmium, and Lead Like Troglitazone Trigger PPAR γ -Dependent Poly (ADP-Ribose) Polymerase Expression and Subsequent Apoptosis in Rat Brain Astrocytes. <i>Molecular Neurobiology</i> , 2018, 55, 2125-2149.	1.9	16
22	Hypothyroidism Induces Interleukin-1-Dependent Autophagy Mechanism as a Key Mediator of Hippocampal Neuronal Apoptosis and Cognitive Decline in Postnatal Rats. <i>Molecular Neurobiology</i> , 2021, 58, 1196-1211.	1.9	16
23	Arsenic Attenuates Heparin-Binding EGF-Like Growth Factor/EGFR Signaling That Promotes Matrix Metalloprotease 9-Dependent Astrocyte Damage in the Developing Rat Brain. <i>Toxicological Sciences</i> , 2018, 162, 406-428.	1.4	13
24	Arsenic Induces Differential Neurotoxicity in Male, Female, and E2-Deficient Females: Comparative Effects on Hippocampal Neurons and Cognition in Adult Rats. <i>Molecular Neurobiology</i> , 2022, 59, 2729-2744.	1.9	8