Sanghamitra Bandyopadhyay

List of Publications by Year
in descending order

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24 papers	1,115 citations	471371 17 h-index	580701 25 g-index
26 all docs	26 docs citations	26 times ranked	1903 citing authors

#	Article	IF	Citations
1	Arsenic Induces Differential Neurotoxicity in Male, Female, and E2-Deficient Females: Comparative Effects on Hippocampal Neurons and Cognition in Adult Rats. Molecular Neurobiology, 2022, 59, 2729-2744.	1.9	8
2	Hypothyroidism Induces Interleukin-1-Dependent Autophagy Mechanism as a Key Mediator of Hippocampal Neuronal Apoptosis and Cognitive Decline in Postnatal Rats. Molecular Neurobiology, 2021, 58, 1196-1211.	1.9	16
3	Role of Neuron and Glia in Alzheimerâ€™s Disease and Associated Vascular Dysfunction. Frontiers in Aging Neuroscience, 2021, 13, 653334.	1.7	28
4	Estrogen deficiency induces memory loss via altered hippocampal HB-EGF and autophagy. Journal of Endocrinology, 2020, 244, 53-70.	1.2	20
5	Rosiglitazone upâ€regulates glial fibrillary acidic protein via HBâ€EGF secreted from astrocytes and neurons through PPARÎ³ pathway and reduces apoptosis in highâ€fat dietâ€fed mice. Journal of Neurochemistry, 2019, 149, 679-698.	2.1	17
6	Arsenic Attenuates Heparin-Binding EGF-Like Growth Factor/EGFR Signaling That Promotes Matrix Metalloprotease 9-Dependent Astrocyte Damage in the Developing Rat Brain. Toxicological Sciences, 2018, 162, 406-428.	1.4	13
7	Arsenic, Cadmium, and Lead Like Troglitazone Trigger PPARÎ³-Dependent Poly (ADP-Ribose) Polymerase Expression and Subsequent Apoptosis in Rat Brain Astrocytes. Molecular Neurobiology, 2018, 55, 2125-2149.	1.9	16
8	From the Cover: Arsenic Induces Hippocampal Neuronal Apoptosis and Cognitive Impairments via an Up-Regulated BMP2/Smad-Dependent Reduced BDNF/TrkB Signaling in Rats. Toxicological Sciences, 2017, 159, 137-158.	1.4	48
9	Docosahexaenoic acid upâ€regulates both <scp>PI</scp>3K/<scp>AKT</scp>â€dependent <scp>FABP</scp>7â€“<scp>PPAR</scp>Î³ interaction and <scp>MKP</scp>3 that enhance <scp>GFAP</scp> in developing rat brain astrocytes. Journal of Neurochemistry, 2017, 140, 96-113.	2.1	38
10	Chronic cerebral hypoperfusion-induced impairment of AÎ² clearance requires HB-EGF-dependent sequential activation of HIF1Î± and MMP9. Neurobiology of Disease, 2016, 95, 179-193.	2.1	53
11	Cypermethrin Stimulates GSK3Î²-Dependent AÎ² and p-tau Proteins and Cognitive Loss in Young Rats: Reduced HB-EGF Signaling and Downstream Neuroinflammation as Critical Regulators. Molecular Neurobiology, 2016, 53, 968-982.	1.9	34
12	Exposure to As-, Cd-, and Pb-Mixture Induces AÎ², Amyloidogenic APP Processing and Cognitive Impairments via Oxidative Stress-Dependent Neuroinflammation in Young Rats. Toxicological Sciences, 2015, 143, 64-80.	1.4	138
13	Alzheimer's disease therapeutics targeted to the control of amyloid precursor protein translation: Maintenance of brain iron homeostasis. Biochemical Pharmacology, 2014, 88, 486-494.	2.0	55
14	Exposure to As, Cd and Pb-mixture impairs myelin and axon development in rat brain, optic nerve and retina. Toxicology and Applied Pharmacology, 2013, 273, 242-258.	1.3	71
15	Developmental Exposure to As, Cd, and Pb Mixture Diminishes Skeletal Growth and Causes Osteopenia at Maturity via Osteoblast and Chondrocyte Malfunctioning in Female Rats. Toxicological Sciences, 2013, 134, 207-220.	1.4	23
16	Novel 5â€² Untranslated Region Directed Blockers of Iron-Regulatory Protein-1 Dependent Amyloid Precursor Protein Translation: Implications for Down Syndrome and Alzheimer's Disease. PLoS ONE, 2013, 8, e65978.	1.1	44
17	Cypermethrin Induces Astrocyte Apoptosis by the Disruption of the Autocrine/Paracrine Mode of Epidermal Growth Factor Receptor Signaling. Toxicological Sciences, 2012, 125, 473-487.	1.4	30
18	Characterization of Developmental Neurotoxicity of As, Cd, and Pb Mixture: Synergistic Action of Metal Mixture in Glial and Neuronal Functions. Toxicological Sciences, 2010, 118, 586-601.	1.4	158

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19	Novel drug targets based on metallobiology of Alzheimer's disease. Expert Opinion on Therapeutic Targets, 2010, 14, 1177-1197.	1.5	49
20	Antiâ€apoptotic role of omegaâ€3â€fatty acids in developing brain: perinatal hypothyroid rat cerebellum as apoptotic model. International Journal of Developmental Neuroscience, 2009, 27, 377-383.	0.7	60
21	Calcium-sensing receptor stimulates secretion of an interferon-Î³-induced monokine (CXCL10) and monocyte chemoattractant protein-3 in immortalized GnRH neurons. Journal of Neuroscience Research, 2007, 85, 882-895.	1.3	18
22	Attenuation of osteoclastogenesis and osteoclast function by apigenin. Biochemical Pharmacology, 2006, 72, 184-197.	2.0	78
23	Interleukin-1Î± stimulates non-amyloidogenic pathway by Î±-secretase (ADAM-10 and ADAM-17) cleavage of APP in human astrocytic cells involving p38 MAP kinase. Journal of Neuroscience Research, 2006, 84, 106-118.	1.3	61
24	A High-Throughput Drug Screen Targeted to the 5'Untranslated Region of Alzheimer Amyloid Precursor Protein mRNA. Journal of Biomolecular Screening, 2006, 11, 469-480.	2.6	37