

Amal Chandra Mondal

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,971
citations

218381

26
h-index

264894

42
g-index

58
all docs

58
docs citations

58
times ranked

2562
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of microglia and astrocyte activation in the neuroinflammatory pathogenesis of Alzheimer's disease: Rational insights for the therapeutic approaches. <i>Journal of Clinical Neuroscience</i> , 2019, 59, 6-11.	0.8	113
2	Neurotrophin Receptor Activation and Expression in Human Postmortem Brain: Effect of Suicide. <i>Biological Psychiatry</i> , 2009, 65, 319-328.	0.7	106
3	Suicide Brain Is Associated with Decreased Expression of Neurotrophins. <i>Biological Psychiatry</i> , 2005, 58, 315-324.	0.7	103
4	Physiological Concentrations of Dopamine Inhibit the Proliferation and Cytotoxicity of Human CD4+ and CD8+ T Cells in vitro: A Receptor-Mediated Mechanism. <i>NeuroImmunoModulation</i> , 2001, 9, 23-33.	0.9	100
5	Circulating dopamine level, in lung carcinoma patients, inhibits proliferation and cytotoxicity of CD4+ and CD8+ T cells by D1 dopamine receptors: an in vitro analysis. <i>International Immunopharmacology</i> , 2001, 1, 1363-1374.	1.7	86
6	Direct and indirect evidences of BDNF and NGF as key modulators in depression: role of antidepressants treatment. <i>International Journal of Neuroscience</i> , 2019, 129, 283-296.	0.8	86
7	Differential regulation of serotonin (5HT)2A receptor mRNA and protein levels after single and repeated stress in rat brain: role in learned helplessness behavior. <i>Neuropharmacology</i> , 2005, 48, 204-214.	2.0	85
8	Decreased mRNA and Protein Expression of BDNF, NGF, and their Receptors in the Hippocampus from Suicide: An Analysis in Human Postmortem Brain. <i>Clinical Medicine Insights Pathology</i> , 2013, 6, CPath.S12530.	0.6	85
9	Dopamine inhibits cytokine release and expression of tyrosine kinases, Lck and Fyn in activated T cells. <i>International Immunopharmacology</i> , 2003, 3, 1019-1026.	1.7	81
10	Prenatal stress and depression associated neuronal development in neonates. <i>International Journal of Developmental Neuroscience</i> , 2017, 60, 1-7.	0.7	73
11	Effects of chronic unpredictable mild stress induced prenatal stress on neurodevelopment of neonates: Role of GSK-3 β . <i>Scientific Reports</i> , 2019, 9, 1305.	1.6	53
12	Reversion of BDNF, Akt and CREB in Hippocampus of Chronic Unpredictable Stress Induced Rats: Effects of Phytochemical, <i>Bacopa Monnieri</i> . <i>Psychiatry Investigation</i> , 2017, 14, 74.	0.7	51
13	Neuroprotective, Neurotrophic and Anti-oxidative Role of <i>Bacopa monnieri</i> on CUS Induced Model of Depression in Rat. <i>Neurochemical Research</i> , 2016, 41, 3083-3094.	1.6	48
14	Important medicinal herbs in Parkinson's disease pharmacotherapy. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 856-863.	2.5	48
15	Emerging concepts of mitochondrial dysfunction in Parkinson's disease progression: Pathogenic and therapeutic implications. <i>Mitochondrion</i> , 2020, 50, 25-34.	1.6	48
16	Brain Region Specific Alterations in the Protein and mRNA Levels of Protein Kinase A Subunits in the Post-Mortem Brain of Teenage Suicide Victims. <i>Neuropsychopharmacology</i> , 2005, 30, 1548-1556.	2.8	44
17	Differential and Brain Region-Specific Regulation of Rap-1 and Epac in Depressed Suicide Victims. <i>Archives of General Psychiatry</i> , 2006, 63, 639.	13.8	44
18	The emerging role of Hippo signaling in neurodegeneration. <i>Journal of Neuroscience Research</i> , 2020, 98, 796-814.	1.3	44

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19	Altered protein kinase a in brain of learned helpless rats: effects of acute and repeated stress. <i>Biological Psychiatry</i> , 2004, 56, 30-40.	0.7	43
20	Pathophysiological implications of neuroinflammation mediated HPA axis dysregulation in the prognosis of cancer and depression. <i>Molecular and Cellular Endocrinology</i> , 2021, 520, 111093.	1.6	42
21	Evaluation of naproxen-induced oxidative stress, hepatotoxicity and in-vivo genotoxicity in male Wistar rats. <i>Journal of Pharmaceutical Analysis</i> , 2018, 8, 400-406.	2.4	37
22	Chronic Administration of Bacopa Monniera Increases BDNF Protein and mRNA Expressions: A Study in Chronic Unpredictable Stress Induced Animal Model of Depression. <i>Psychiatry Investigation</i> , 2014, 11, 297.	0.7	35
23	Single and Repeated Stress-Induced Modulation of Phospholipase C Catalytic Activity and Expression: Role in LH Behavior. <i>Neuropsychopharmacology</i> , 2005, 30, 473-483.	2.8	33
24	Neuronal Hippo signaling: From development to diseases. <i>Developmental Neurobiology</i> , 2021, 81, 92-109.	1.5	33
25	Lower Phosphoinositide 3-Kinase (PI 3-kinase) Activity and Differential Expression Levels of Selective Catalytic and Regulatory PI 3-Kinase Subunit Isoforms in Prefrontal Cortex and Hippocampus of Suicide Subjects. <i>Neuropsychopharmacology</i> , 2008, 33, 2324-2340.	2.8	32
26	Naringenin alleviates paraquat-induced dopaminergic neuronal loss in SH-SY5Y cells and a rat model of Parkinson's disease. <i>Neuropharmacology</i> , 2021, 201, 108831.	2.0	32
27	Role of GPCR signaling and calcium dysregulation in Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2019, 101, 103414.	1.0	31
28	Role of Hypothalamic-Pituitary-Adrenal Axis, Hypothalamic-Pituitary-Gonadal Axis and Insulin Signaling in the Pathophysiology of Alzheimer's Disease. <i>Neuropsychobiology</i> , 2019, 77, 197-205.	0.9	31
29	Bacopa monnieri alleviates paraquat induced toxicity in Drosophila by inhibiting jnk mediated apoptosis through improved mitochondrial function and redox stabilization. <i>Neurochemistry International</i> , 2018, 121, 98-107.	1.9	29
30	Pathophysiology linking depression and type 2 diabetes: Psychotherapy, physical exercise, and fecal microbiome transplantation as damage control. <i>European Journal of Neuroscience</i> , 2021, 53, 2870-2900.	1.2	25
31	Cellular senescence in the aging brain: A promising target for neurodegenerative diseases. <i>Mechanisms of Ageing and Development</i> , 2022, 204, 111675.	2.2	25
32	Cyclic-AMP response element binding protein (CREB) in the neutrophils of depressed patients. <i>Psychiatry Research</i> , 2011, 185, 108-112.	1.7	24
33	Piperine-Coated Gold Nanoparticles Alleviate Paraquat-Induced Neurotoxicity in <i>Drosophila melanogaster</i> . <i>ACS Chemical Neuroscience</i> , 2020, 11, 3772-3785.	1.7	24
34	Unravelling the role of gut microbiota in Parkinson's disease progression: Pathogenic and therapeutic implications. <i>Neuroscience Research</i> , 2021, 168, 100-112.	1.0	23
35	A selective D2 dopamine receptor agonist alleviates depression through up-regulation of tyrosine hydroxylase and increased neurogenesis in hippocampus of the prenatally stressed rats. <i>Neurochemistry International</i> , 2020, 136, 104730.	1.9	20
36	Neuroanatomical distribution and functions of brain-derived neurotrophic factor in zebrafish (<i>Danio rerio</i>) brain. <i>Journal of Neuroscience Research</i> , 2020, 98, 754-763.	1.3	18

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37	Cellular and molecular attributes of neural stem cell niches in adult zebrafish brain. <i>Developmental Neurobiology</i> , 2017, 77, 1188-1205.	1.5	16
38	TrkB receptor antagonism inhibits stab injury induced proliferative response in adult zebrafish (<i>Danio rerio</i>). <i>Journal of Neurobiology</i> , 2017, 91, 107-117.	1.6	15
39	Protective effects of a sheet breaker β -sheet hybrid peptide against amyloid β -induced neuronal apoptosis in vitro. <i>Chemical Biology and Drug Design</i> , 2017, 89, 888-900.	1.5	11
40	Determination of potential oxidative damage, hepatotoxicity, and cytogenotoxicity in male Wistar rats: Role of indomethacin. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22226.	1.4	11
41	A Synthetic Pro-Drug Peptide Reverses Amyloid- β -Induced Toxicity in the Rat Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 499-512.	1.2	10
42	Targeting NRF2 in Type 2 diabetes mellitus and depression: Efficacy of natural and synthetic compounds. <i>European Journal of Pharmacology</i> , 2022, 925, 174993.	1.7	10
43	A Peptide Based Pro-drug Disrupts Alzheimer's Amyloid into Non-toxic Species and Reduces A β Induced Toxicity In Vitro. <i>International Journal of Peptide Research and Therapeutics</i> , 2018, 24, 201-211.	0.9	9
44	A Peptide Based Pro-Drug Ameliorates Amyloid- β Induced Neuronal Apoptosis in In Vitro SH-SY5Y Cells. <i>Current Alzheimer Research</i> , 2017, 14, 1293-1304.	0.7	9
45	Induction of oxidative stress and apoptosis in the injured brain: potential relevance to brain regeneration in zebrafish. <i>Molecular Biology Reports</i> , 2021, 48, 5099-5108.	1.0	8
46	Ropinirole silver nanocomposite attenuates neurodegeneration in the transgenic <i>Drosophila melanogaster</i> model of Parkinson's disease. <i>Neuropharmacology</i> , 2020, 177, 108216.	2.0	7
47	An explicitly designed paratope of amyloid- β prevents neuronal apoptosis <i>in vitro</i> and hippocampal damage in rat brain. <i>Chemical Science</i> , 2021, 12, 2853-2862.	3.7	7
48	Age-related Mitochondrial Dysfunction in Parkinson's Disease: New Insights Into the Disease Pathology. <i>Neuroscience</i> , 2022, 499, 152-169.	1.1	6
49	Chronic Administration of <i>Bacopa monniera</i> Alleviates Depressive Like Behavior and Increases the Expression of ERK1/2 in Hippocampus and Pre-Frontal Cortex of Chronic Unpredictable Stress Induced Rats. <i>International Neuropsychiatric Disease Journal</i> , 2015, 3, 47-58.	0.1	5
50	Convergent Molecular Pathways in Type 2 Diabetes Mellitus and Parkinson's Disease: Insights into Mechanisms and Pathological Consequences. <i>Molecular Neurobiology</i> , 2022, , .	1.9	4
51	Bacopaside-I Alleviates the Detrimental Effects of Acute Paraquat Intoxication in the Adult Zebrafish Brain. <i>Neurochemical Research</i> , 2021, 46, 3059-3074.	1.6	3
52	CdSe- Reduced graphene oxide nanocomposite toxicity alleviation via V ₂ O ₅ shell formation over CdSe core: <i>in vivo</i> and <i>in vitro</i> studies. <i>Nanotechnology</i> , 2020, 31, 415101.	1.3	2
53	Impact of NGF signaling on neuroplasticity during depression: Insights in neuroplasticity-dependent therapeutic approaches. , 2021, , 341-350.		2
54	Folic acid and vitamin B12 ameliorate nicotine-induced testicular toxicity in rats. <i>Biomedicine (India)</i> , 2019, 39, 353-368.	0.1	0

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55	Immunotherapeutic Approaches for the Treatment of Neurodegenerative Diseases: Challenges and Outcomes. CNS and Neurological Disorders - Drug Targets, 2021, 21, .	0.8	0