

Amal Chandra Mondal

List of Publications by Year in descending order

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55
papers

1,971
citations

218677

26
h-index

265206

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. Journal of Clinical Neuroscience, 2019, 59, 6-11.	1.5	113
2	Neurotrophin Receptor Activation and Expression in Human Postmortem Brain: Effect of Suicide. Biological Psychiatry, 2009, 65, 319-328.	1.3	106
3	Suicide Brain Is Associated with Decreased Expression of Neurotrophins. Biological Psychiatry, 2005, 58, 315-324.	1.3	103
4	Physiological Concentrations of Dopamine Inhibit the Proliferation and Cytotoxicity of Human CD4+ and CD8+ T Cells in vitro: A Receptor-Mediated Mechanism. NeuroImmunoModulation, 2001, 9, 23-33.	1.8	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. International Immunopharmacology, 2001, 1, 1363-1374.	3.8	86
6	Direct and indirect evidences of BDNF and NGF as key modulators in depression: role of antidepressants treatment. International Journal of Neuroscience, 2019, 129, 283-296.	1.6	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. Neuropharmacology, 2005, 48, 204-214.	4.1	85
8	Decreased mRNA and Protein Expression of BDNF, NGF, and their Receptors in the Hippocampus from Suicide: An Analysis in Human Postmortem Brain. Clinical Medicine Insights Pathology, 2013, 6, CPath.S12530.	0.6	85
9	Dopamine inhibits cytokine release and expression of tyrosine kinases, Lck and Fyn in activated T cells. International Immunopharmacology, 2003, 3, 1019-1026.	3.8	81
10	Prenatal stress and depression associated neuronal development in neonates. International Journal of Developmental Neuroscience, 2017, 60, 1-7.	1.6	73
11	Effects of chronic unpredictable mild stress induced prenatal stress on neurodevelopment of neonates: Role of GSK-3 β . Scientific Reports, 2019, 9, 1305.	3.3	53
12	Reversion of BDNF, Akt and CREB in Hippocampus of Chronic Unpredictable Stress Induced Rats: Effects of Phytochemical, <i>Bacopa Monnieri</i> . Psychiatry Investigation, 2017, 14, 74.	1.6	51
13	Neuroprotective, Neurotrophic and Anti-oxidative Role of <i>Bacopa monnieri</i> on CUS Induced Model of Depression in Rat. Neurochemical Research, 2016, 41, 3083-3094.	3.3	48
14	Important medicinal herbs in Parkinson's disease pharmacotherapy. Biomedicine and Pharmacotherapy, 2017, 92, 856-863.	5.6	48
15	Emerging concepts of mitochondrial dysfunction in Parkinson's disease progression: Pathogenic and therapeutic implications. Mitochondrion, 2020, 50, 25-34.	3.4	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. Neuropsychopharmacology, 2005, 30, 1548-1556.	5.4	44
17	Differential and Brain Region-Specific Regulation of Rap-1 and Epac in Depressed Suicide Victims. Archives of General Psychiatry, 2006, 63, 639.	12.3	44
18	The emerging role of Hippo signaling in neurodegeneration. Journal of Neuroscience Research, 2020, 98, 796-814.	2.9	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.	1.3	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.	3.2	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.	5.3	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.	1.6	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.	5.4	33
24	Neuronal Hippo signaling: From development to diseases. <i>Developmental Neurobiology</i> , 2021, 81, 92-109.	3.0	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.	5.4	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.	4.1	32
27	Role of GPCR signaling and calcium dysregulation in Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2019, 101, 103414.	2.2	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.	1.9	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.	3.8	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.	2.6	25
31	Cellular senescence in the aging brain: A promising target for neurodegenerative diseases. <i>Mechanisms of Ageing and Development</i> , 2022, 204, 111675.	4.6	25
32	Cyclic-AMP response element binding protein (CREB) in the neutrophils of depressed patients. <i>Psychiatry Research</i> , 2011, 185, 108-112.	3.3	24
33	Piperine-Coated Gold Nanoparticles Alleviate Paraquat-Induced Neurotoxicity in <i>Drosophila melanogaster</i> . <i>ACS Chemical Neuroscience</i> , 2020, 11, 3772-3785.	3.5	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.	1.9	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.	3.8	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.	2.9	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.	3.0	16
38	TrkB receptor antagonism inhibits stab injury induced proliferative response in adult zebrafish (<i>Danio</i>) Tj ETQq0 0 0.rgBT /Overlock 10 Tf	2.9	15
39	Protective effects of β -sheet breaker β -hybrid peptide against amyloid β -induced neuronal apoptosis in vitro. <i>Chemical Biology and Drug Design</i> , 2017, 89, 888-900.	3.2	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.	3.0	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.	2.6	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.	3.5	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.	1.9	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.	1.4	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.	2.3	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.	4.1	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.	7.4	7
48	Age-related Mitochondrial Dysfunction in Parkinson's Disease: New Insights Into the Disease Pathology. <i>Neuroscience</i> , 2022, 499, 152-169.	2.3	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, , .	4.0	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.	3.3	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.	2.6	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.	0.2	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, .	1.4	0