

Pallab Bhattacharya

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,615
citations

304368

22
h-index

344852

36
g-index

71
all docs

71
docs citations

71
times ranked

2367
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Death Pathways in Ischemic Stroke and Targeted Pharmacotherapy. <i>Translational Stroke Research</i> , 2020, 11, 1185-1202.	2.3	190
2	Neurological sequel of chronic kidney disease: From diminished Acetylcholinesterase activity to mitochondrial dysfunctions, oxidative stress and inflammation in mice brain. <i>Scientific Reports</i> , 2019, 9, 3097.	1.6	66
3	Endoplasmic reticulumâ€“mitochondria crosstalk: from junction to function across neurological disorders. <i>Annals of the New York Academy of Sciences</i> , 2019, 1457, 41-60.	1.8	64
4	The multiple protective roles and molecular mechanisms of melatonin and its precursor N-acetylserotonin in targeting brain injury and liver damage and in maintaining bone health. <i>Free Radical Biology and Medicine</i> , 2019, 130, 215-233.	1.3	59
5	Aquaporin-4 Inhibition Mediates Piroxicam-Induced Neuroprotection against Focal Cerebral Ischemia/Reperfusion Injury in Rodents. <i>PLoS ONE</i> , 2013, 8, e73481.	1.1	52
6	Recent Advances in Oncological Submissions of Dendrimer. <i>Current Pharmaceutical Design</i> , 2017, 23, 3084-3098.	0.9	52
7	Myeloperoxidase and Neurological Disorder: A Crosstalk. <i>ACS Chemical Neuroscience</i> , 2018, 9, 421-430.	1.7	50
8	Resveratrol inhibits matrix metalloproteinases to attenuate neuronal damage in cerebral ischemia: a molecular docking study exploring possible neuroprotection. <i>Neural Regeneration Research</i> , 2015, 10, 568.	1.6	50
9	Getting Closer to an Effective Intervention of Ischemic Stroke: The Big Promise of Stem Cell. <i>Translational Stroke Research</i> , 2018, 9, 356-374.	2.3	49
10	Mesenchymal Stem Cell Therapy in Ischemic Stroke: A Metaâ€“analysis of Preclinical Studies. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 103, 990-998.	2.3	45
11	Noncoding RNAs in ischemic stroke: time to translate. <i>Annals of the New York Academy of Sciences</i> , 2018, 1421, 19-36.	1.8	41
12	Stroke Management: An Emerging Role of Nanotechnology. <i>Micromachines</i> , 2017, 8, 262.	1.4	38
13	Trigonelline therapy confers neuroprotection by reduced glutathione mediated myeloperoxidase expression in animal model of ischemic stroke. <i>Life Sciences</i> , 2019, 216, 49-58.	2.0	37
14	Mitochondrial Dysfunction in Stroke: Implications of Stem Cell Therapy. <i>Translational Stroke Research</i> , 2019, 10, 121-136.	2.3	37
15	A Friend or Foe: Calcineurin across the Gamut of Neurological Disorders. <i>ACS Central Science</i> , 2018, 4, 805-819.	5.3	35
16	Exposure to hypoglycemia and risk of stroke. <i>Annals of the New York Academy of Sciences</i> , 2018, 1431, 25-34.	1.8	34
17	The SARSâ€“CoVâ€“2/COVIDâ€“19 pandemic and challenges in stroke care in India. <i>Annals of the New York Academy of Sciences</i> , 2020, 1473, 3-10.	1.8	32
18	Whole Body Vibration Therapy after Ischemia Reduces Brain Damage in Reproductively Senescent Female Rats. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2749.	1.8	31

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19	Inhibition of matrix metalloproteinase-2 and 9 by Piroxicam confer neuroprotection in cerebral ischemia: An in silico evaluation of the hypothesis. <i>Medical Hypotheses</i> , 2014, 83, 697-701.	0.8	27
20	Hypercholesterolemia causes psychomotor abnormalities in mice and alterations in cortico-striatal biogenic amine neurotransmitters: Relevance to Parkinson's disease. <i>Neurochemistry International</i> , 2017, 108, 15-26.	1.9	25
21	Lycopene - A pleiotropic neuroprotective nutraceutical: Deciphering its therapeutic potentials in broad spectrum neurological disorders. <i>Neurochemistry International</i> , 2020, 140, 104823.	1.9	25
22	Intra-arterial stem cell therapy modulates neuronal calcineurin and confers neuroprotection after ischemic stroke. <i>International Journal of Neuroscience</i> , 2019, 129, 1039-1044.	0.8	24
23	Neuroprotective potential of Piroxicam in cerebral ischemia: An in silico evaluation of the hypothesis to explore its therapeutic efficacy by inhibition of aquaporin-4 and acid sensing ion channel 1a. <i>Medical Hypotheses</i> , 2012, 79, 352-357.	0.8	23
24	Sirtuin-1 - Mediated NF- κ B Pathway Modulation to Mitigate Inflammasome Signaling and Cellular Apoptosis is One of the Neuroprotective Effects of Intra-arterial Mesenchymal Stem Cell Therapy Following Ischemic Stroke. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 821-838.	1.7	23
25	Large animal canine endovascular ischemic stroke models: A review. <i>Brain Research Bulletin</i> , 2016, 127, 134-140.	1.4	22
26	Novel Targets for Parkinson's Disease: Addressing Different Therapeutic Paradigms and Conundrums. <i>ACS Chemical Neuroscience</i> , 2019, 10, 44-57.	1.7	22
27	Growing synergy of nanodiamonds in neurodegenerative interventions. <i>Drug Discovery Today</i> , 2019, 24, 584-594.	3.2	22
28	Nanotechnology in the diagnosis and treatment of stroke. <i>Drug Discovery Today</i> , 2021, 26, 585-592.	3.2	22
29	Post-stroke depression: Chaos to exposition. <i>Brain Research Bulletin</i> , 2021, 168, 74-88.	1.4	22
30	Molecular Pathogenesis and Interventional Strategies for Alzheimer's Disease: Promises and Pitfalls. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 472-488.	2.5	21
31	Nicotine Alters Estrogen Receptor-Beta-Regulated Inflammasome Activity and Exacerbates Ischemic Brain Damage in Female Rats. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1330.	1.8	19
32	Interplay between Mitophagy and Inflammasomes in Neurological Disorders. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2195-2208.	1.7	19
33	Therapeutic spectrum of interferon- γ in ischemic stroke. <i>Journal of Neuroscience Research</i> , 2019, 97, 116-127.	1.3	18
34	An in-silico strategy to explore neuroprotection by quercetin in cerebral ischemia: A novel hypothesis based on inhibition of matrix metalloproteinase (MMPs) and acid sensing ion channel 1a (ASIC1a). <i>Medical Hypotheses</i> , 2012, 79, 76-81.	0.8	16
35	Alleviation of glutamate mediated neuronal insult by piroxicam in rodent model of focal cerebral ischemia: a possible mechanism of GABA agonism. <i>Journal of Physiology and Biochemistry</i> , 2014, 70, 901-913.	1.3	15
36	Cerebro-renal interaction and stroke. <i>European Journal of Neuroscience</i> , 2021, 53, 1279-1299.	1.2	15

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37	Pyruvate kinase M2 in chronic inflammations: a potpourri of crucial protein-protein interactions. <i>Cell Biology and Toxicology</i> , 2021, 37, 653-678.	2.4	14
38	A possible therapeutic potential of quercetin through inhibition of β -calpain in hypoxia induced neuronal injury: a molecular dynamics simulation study. <i>Neural Regeneration Research</i> , 2016, 11, 1247.	1.6	14
39	Post-stroke Impairment of the Blood-Brain Barrier and Perifocal Vasogenic Edema Is Alleviated by Endovascular Mesenchymal Stem Cell Administration: Modulation of the PKC β /MMP9/AQP4-Mediated Pathway. <i>Molecular Neurobiology</i> , 2022, 59, 2758-2775.	1.9	14
40	Inflammasomes in stroke: a triggering role for acid-sensing ion channels. <i>Annals of the New York Academy of Sciences</i> , 2018, 1431, 14-24.	1.8	13
41	Intra-arterial Stem Cell Therapy Diminishes Inflammasome Activation After Ischemic Stroke: a Possible Role of Acid Sensing Ion Channel 1a. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 419-426.	1.1	13
42	Suggesting 7,8-dihydroxyflavone as a promising nutraceutical against CNS disorders. <i>Neurochemistry International</i> , 2021, 148, 105068.	1.9	13
43	Endovascular Stem Cell Therapy Post Stroke Rescues Neurons from Endoplasmic Reticulum Stress-Induced Apoptosis by Modulating Brain-Derived Neurotrophic Factor/Tropomyosin Receptor Kinase B Signaling. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3745-3759.	1.7	13
44	Neuroimmune crosstalk and evolving pharmacotherapies in neurodegenerative diseases. <i>Immunology</i> , 2021, 162, 160-178.	2.0	12
45	Garcinol blocks motor behavioural deficits by providing dopaminergic neuroprotection in MPTP mouse model of Parkinson's disease: involvement of anti-inflammatory response. <i>Experimental Brain Research</i> , 2022, 240, 113-122.	0.7	12
46	Drug repurposing for stroke intervention. <i>Drug Discovery Today</i> , 2022, 27, 1974-1982.	3.2	12
47	Migraine and Ischemic Stroke: Deciphering the Bidirectional Pathway. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1525-1538.	1.7	10
48	Stroke and stroke prevention in sickle cell anemia in developed and selected developing countries. <i>Journal of the Neurological Sciences</i> , 2021, 427, 117510.	0.3	10
49	Advances in Studies on Stroke-Induced Secondary Neurodegeneration (SND) and Its Treatment. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1154-1168.	1.0	10
50	Dendrimer grafted albumin nanoparticles for the treatment of post cerebral stroke damages: A proof of concept study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110488.	2.5	9
51	Evolving Evidence of Calreticulin as a Pharmacological Target in Neurological Disorders. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2629-2646.	1.7	8
52	Cognitive effects of NSAIDs in cerebral ischemia: A hypothesis exploring mechanical action mediated pharmacotherapy. <i>Medical Hypotheses</i> , 2012, 79, 393-395.	0.8	6
53	Combination therapy of Ifenprodil with Piroxicam may be an effective therapeutic intervention in cerebral stroke: A hypothesis. <i>Medical Hypotheses</i> , 2012, 79, 516-518.	0.8	6
54	Glial Cells Response in Stroke. <i>Cellular and Molecular Neurobiology</i> , 2023, 43, 99-113.	1.7	6

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55	Neuroprotection by $\hat{1}/4$ -calpain and matrix metalloproteinases inhibition by Piroxicam in cerebral ischemia: an in silico study. <i>Medicinal Chemistry Research</i> , 2013, 22, 5112-5119.	1.1	5
56	Does Piroxicam really protect ischemic neurons and influence neuronal firing in cerebral ischemia? An exploration towards therapeutics. <i>Medical Hypotheses</i> , 2013, 81, 429-435.	0.8	4
57	Treatment of unruptured intracranial aneurysms: a review. <i>Expert Review of Neurotherapeutics</i> , 2016, 16, 1205-1216.	1.4	4
58	Budding Alliance of Nanotechnology in RNA Interference Therapeutics. <i>Current Pharmaceutical Design</i> , 2018, 24, 2632-2643.	0.9	4
59	Minocycline and magnesium in combination may be a good therapeutic intervention for cerebral ischemia. <i>Medical Hypotheses</i> , 2011, 77, 1129-1131.	0.8	3
60	Piroxicam-mediated modulatory action of 5-hydroxytryptamine serves as a "brake" on neuronal excitability in ischemic stroke. <i>Neural Regeneration Research</i> , 2015, 10, 1418.	1.6	3
61	Neuroprotective effects of quercetin in chemical hypoxia: in silico evaluation of the hypothesis exploring PKC inhibition-mediated pharmacotherapy. <i>Medicinal Chemistry Research</i> , 2013, 22, 4836-4841.	1.1	2
62	Response to Letter to Cell Death Pathways in Ischemic Stroke and Targeted Pharmacotherapy. <i>Translational Stroke Research</i> , 2022, 13, 359-361.	2.3	2
63	Intra-arterial Approaches to Stem Cell Therapy for Ischemic Stroke. , 2015, , 65-89.		1