

Sairam Krishnamurthy

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,113
citations

201658

27
h-index

265191

42
g-index

79
all docs

79
docs citations

79
times ranked

2629
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Centella asiatica</i> prevents D-galactose-Induced cognitive deficits, oxidative stress and neurodegeneration in the adult rat brain. Drug and Chemical Toxicology, 2022, 45, 1417-1426.	2.3	9
2	Diindolylmethane ameliorates platelet aggregation and thrombosis: In silico, in vitro, and in vivo studies. European Journal of Pharmacology, 2022, 919, 174812.	3.5	8
3	Dihydroquercetin ameliorates LPS-induced neuroinflammation and memory deficit. Current Research in Pharmacology and Drug Discovery, 2022, 3, 100091.	3.6	7
4	Indole-3-carbinol ameliorated the isoproterenol-induced myocardial infarction via multimodal mechanisms in Wistar rats. Natural Product Research, 2022, 36, 6044-6049.	1.8	8
5	Pharmacokinetic and Pharmacodynamic Properties of Indole-3-carbinol in Experimental Focal Ischemic Injury. European Journal of Drug Metabolism and Pharmacokinetics, 2022, 47, 593-605.	1.6	5
6	Generation of wild-type rat Glucocerebrosidase homology modeling: Identification of putative interactions site and mechanism for chaperone using combined in-silico and in-vitro studies. Bioorganic Chemistry, 2022, 126, 105871.	4.1	1
7	Synthesis and characterization of barium-doped bioactive glass with potential anti-inflammatory activity. Ceramics International, 2021, 47, 7143-7158.	4.8	24
8	Non-selective orexin-receptor antagonist attenuates stress-re-stress-induced core PTSD-like symptoms in rats: Behavioural and neurochemical analyses. Behavioural Brain Research, 2021, 399, 113015.	2.2	16
9	Development and treatment of cognitive inflexibility in sub-chronic stressâ€™re-stress (SRS) model of PTSD. Pharmacological Reports, 2021, 73, 464-479.	3.3	10
10	Discovery of new phenyl sulfonyl-pyrimidine carboxylate derivatives as the potential multi-target drugs with effective anti-Alzheimerâ€™s action: Design, synthesis, crystal structure and in-vitro biological evaluation. European Journal of Medicinal Chemistry, 2021, 215, 113224.	5.5	37
11	Neuro-nutraceutical potential of Asparagus racemosus: A review. Neurochemistry International, 2021, 145, 105013.	3.8	18
12	In-vitro analysis of bioactivity, hemolysis, and mechanical properties of Zn substituted Calcium Zirconium silicate (baghdadite). Ceramics International, 2021, 47, 16037-16053.	4.8	9
13	Bioactive glass: A multifunctional delivery system. Journal of Controlled Release, 2021, 335, 481-497.	9.9	43
14	Mitochondrial dysfunction in perinatal asphyxia: role in pathogenesis and potential therapeutic interventions. Molecular and Cellular Biochemistry, 2021, 476, 4421-4434.	3.1	10
15	Supplementation of taurine improves ionic homeostasis and mitochondrial function in the rats exhibiting post-traumatic stress disorder-like symptoms. European Journal of Pharmacology, 2021, 908, 174361.	3.5	12
16	Multifarious applications of bioactive glasses in soft tissue engineering. Biomaterials Science, 2021, 9, 8111-8147.	5.4	6
17	Neurorestorative effects of sub-chronic administration of ambroxol in rodent model of Parkinsonâ€™s disease. Naunyn-Schmiedeberg's Archives of Pharmacology, 2020, 393, 429-444.	3.0	12
18	Neurochemical Evidence of Preclinical and Clinical Reports on Target-Based Therapy in Alcohol Used Disorder. Neurochemical Research, 2020, 45, 491-507.	3.3	2

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19	A novel stress re-stress model: modification of re-stressor cue induces long-lasting post-traumatic stress disorder-like symptoms in rats. <i>International Journal of Neuroscience</i> , 2020, 130, 941-952.	1.6	9
20	Preparation and in vitro investigation on bioactivity of magnesia-contained bioactive glasses. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 145-155.	1.9	7
21	Enhanced in vivo biocompatibility of magnesia-contained bioactive glasses. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 337-342.	1.9	0
22	Discovery of novel series of 2-substituted benzo[d]oxazol-5-amine derivatives as multi-target directed ligands for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111613.	5.5	23
23	Repeated caffeine administration aggravates post-traumatic stress disorder-like symptoms in rats. <i>Physiology and Behavior</i> , 2019, 211, 112666.	2.1	11
24	Design and development of molecular hybrids of 2-pyridylpiperazine and 5-phenyl-1,3,4-oxadiazoles as potential multifunctional agents to treat Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111707.	5.5	46
25	Development of pyrazole and spiropyrazoline analogs as multifunctional agents for treatment of Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2019, 90, 103080.	4.1	30
26	Design and development of 1,3,4-oxadiazole derivatives as potential inhibitors of acetylcholinesterase to ameliorate scopolamine-induced cognitive dysfunctions. <i>Bioorganic Chemistry</i> , 2019, 89, 103025.	4.1	27
27	Neuroprotective effect of chlorogenic acid in global cerebral ischemia-reperfusion rat model. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2019, 392, 1293-1309.	3.0	43
28	Critical Role of Mitochondrial Autophagy in Cerebral Stroke. , 2019, , 73-82.		0
29	Long-term exposure of 2450 MHz electromagnetic radiation induces stress and anxiety like behavior in rats. <i>Neurochemistry International</i> , 2019, 128, 1-13.	3.8	15
30	Design and development of multitarget-directed N-Benzylpiperidine analogs as potential candidates for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019, 167, 510-524.	5.5	76
31	Multifunctional hybrid sulfonamides as novel therapeutic agents for Alzheimer's disease. <i>Future Medicinal Chemistry</i> , 2019, 11, 3161-3178.	2.3	25
32	Nanoparticle-Induced Controlled Drug Delivery Using Chitosan-Based Hydrogel and Scaffold: Application to Bone Regeneration. <i>Molecular Pharmaceutics</i> , 2019, 16, 327-338.	4.6	53
33	Rebamipide Mitigates Impairments in Mitochondrial Function and Bioenergetics with α -Synuclein Pathology in 6-OHDA-Induced Hemiparkinson's Model in Rats. <i>Neurotoxicity Research</i> , 2019, 35, 542-562.	2.7	13
34	Biological profiling of piperazinediones for the management of anxiety. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 176, 63-71.	2.9	9
35	4,6-Diphenylpyrimidine Derivatives as Dual Inhibitors of Monoamine Oxidase and Acetylcholinesterase for the Treatment of Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 252-265.	3.5	53
36	Pharmacokinetics and brain penetration study of chlorogenic acid in rats. <i>Xenobiotica</i> , 2019, 49, 339-345.	1.1	28

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37	Chrysin isolated from <i>Pyrus pashia</i> fruit ameliorates convulsions in experimental animals. <i>Nutritional Neuroscience</i> , 2019, 22, 569-577.	3.1	24
38	Development of Piperazinediones as dual inhibitor for treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 87-101.	5.5	55
39	Piracetam attenuates binge eating disorder related symptoms in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2018, 169, 35-47.	2.9	13
40	Indole-3-carbinol improves neurobehavioral symptoms in a cerebral ischemic stroke model. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 613-625.	3.0	28
41	Electromagnetic radiation 2450 MHz exposure causes cognition deficit with mitochondrial dysfunction and activation of intrinsic pathway of apoptosis in rats. <i>Journal of Biosciences</i> , 2018, 43, 263-276.	1.1	11
42	2,4 Dinitrophenol Attenuates Mitochondrial Dysfunction and Improves Neurobehavioral Outcomes Postanoxia in Neonatal Rats. <i>Neurotoxicity Research</i> , 2018, 34, 121-136.	2.7	6
43	Pharmacokinetic Study of Piracetam in Focal Cerebral Ischemic Rats. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2018, 43, 205-213.	1.6	11
44	Design, synthesis, and pharmacological evaluation of 2-amino-5-nitrothiazole derived semicarbazones as dual inhibitors of monoamine oxidase and cholinesterase: effect of the size of aryl binding site. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 37-57.	5.2	32
45	Pharmacological application of barium containing bioactive glass in gastro-duodenal ulcers. <i>Materials Science and Engineering C</i> , 2018, 92, 424-434.	7.3	18
46	Ambroxol modulates 6-Hydroxydopamine-induced temporal reduction in Glucocerebrosidase (GCase) enzymatic activity and Parkinson's disease symptoms. <i>Biochemical Pharmacology</i> , 2018, 155, 479-493.	4.4	17
47	Repeated olanzapine treatment mitigates PTSD like symptoms in rats with changes in cell signaling factors. <i>Brain Research Bulletin</i> , 2018, 140, 365-377.	3.0	6
48	Electromagnetic radiation 2450 MHz exposure causes cognition deficit with mitochondrial dysfunction and activation of intrinsic pathway of apoptosis in rats. <i>Journal of Biosciences</i> , 2018, 43, 263-276.	1.1	3
49	Coenzyme Q10 Prevents Mitochondrial Dysfunction and Facilitates Pharmacological Activity of Atorvastatin in 6-OHDA Induced Dopaminergic Toxicity in Rats. <i>Neurotoxicity Research</i> , 2017, 31, 478-492.	2.7	34
50	Metformin attenuates hepatic insulin resistance in type-2 diabetic rats through PI3K/Akt/GLUT-4 signalling independent to bicuculline-sensitive GABA _A receptor stimulation. <i>Pharmaceutical Biology</i> , 2017, 55, 722-728.	2.9	36
51	Piracetam Attenuates LPS-Induced Neuroinflammation and Cognitive Impairment in Rats. <i>Cellular and Molecular Neurobiology</i> , 2017, 37, 1373-1386.	3.3	47
52	Tempol (4 hydroxy-tempo) inhibits anoxia-induced progression of mitochondrial dysfunction and associated neurobehavioral impairment in neonatal rats. <i>Journal of the Neurological Sciences</i> , 2017, 375, 58-67.	0.6	8
53	Purinergic Antagonism Prevents Mitochondrial Dysfunction and Behavioral Deficits Associated with Dopaminergic Toxicity Induced by 6-OHDA in Rats. <i>Neurochemical Research</i> , 2017, 42, 3414-3430.	3.3	16
54	Neonatal anoxia leads to time dependent progression of mitochondrial linked apoptosis in rat cortex and associated long term sensorimotor deficits. <i>International Journal of Developmental Neuroscience</i> , 2016, 52, 55-65.	1.6	16

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55	Discovery of 3-Hydroxy-phenacyloxindole Analogues of Isatin as Potential Monoamine Oxidase Inhibitors. <i>ChemMedChem</i> , 2016, 11, 119-132.	3.2	31
56	Characterization of mitochondrial bioenergetics in neonatal anoxic model of rats. <i>Journal of Bioenergetics and Biomembranes</i> , 2015, 47, 217-222.	2.3	14
57	Risperidone Attenuates Modified Stress-Re-stress Paradigm-Induced Mitochondrial Dysfunction and Apoptosis in Rats Exhibiting Post-traumatic Stress Disorder-Like Symptoms. <i>Journal of Molecular Neuroscience</i> , 2015, 56, 299-312.	2.3	44
58	Citalopram Protects Against Cold-Restraint Stress-Induced Activation of Brain-Derived Neurotrophic Factor and Expression of Nuclear Factor Kappa-Light-Chain-Enhancer of Activated B Cells in Rats. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 355-366.	2.3	7
59	Silibinin ameliorates LPS-induced memory deficits in experimental animals. <i>Neurobiology of Learning and Memory</i> , 2014, 116, 117-131.	1.9	43
60	Diazepam Potentiates the Antidiabetic, Antistress and Anxiolytic Activities of Metformin in Type-2 Diabetes Mellitus with Cooccurring Stress in Experimental Animals. <i>BioMed Research International</i> , 2014, 2014, 1-15.	1.9	23
61	Silibinin pretreatment attenuates biochemical and behavioral changes induced by intrastriatal MPP+ injection in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 117, 92-103.	2.9	57
62	Asparagus racemosus Attenuates Anxiety-Like Behavior in Experimental Animal Models. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 511-521.	3.3	18
63	Synthesis and pharmacological evaluation of some N3-aryl/heteroaryl-substituted 2-(2-chlorostyryl)-6,7-dimethoxy-quinazolin-4(3H)-ones as potential anticonvulsant agents. <i>Medicinal Chemistry Research</i> , 2014, 23, 4167-4176.	2.4	11
64	Risperidone ameliorates post-traumatic stress disorder-like symptoms in modified stress re-stress model. <i>Neuropharmacology</i> , 2013, 75, 62-77.	4.1	34
65	Gastroprotective activity of ethanolic root extract of <i>Potentilla fulgens</i> Wall. ex Hook. <i>Journal of Ethnopharmacology</i> , 2013, 146, 505-514.	4.1	75
66	Evaluation of glucose utilization capacity of bioactivity guided fractions of <i>Hybanthus enneaspermus</i> and <i>Pedaliium murex</i> in isolated rat hemidiaphragm. <i>Journal of Acute Disease</i> , 2013, 2, 33-36.	0.3	6
67	<i>Asparagus racemosus</i> modulates the hypothalamic-pituitary-adrenal axis and brain monoaminergic systems in rats. <i>Nutritional Neuroscience</i> , 2013, 16, 255-261.	3.1	11
68	Shilajit attenuates behavioral symptoms of chronic fatigue syndrome by modulating the hypothalamic-pituitary-adrenal axis and mitochondrial bioenergetics in rats. <i>Journal of Ethnopharmacology</i> , 2012, 143, 91-99.	4.1	24
69	Type 2 antidiabetic activity of bergenin from the roots of <i>Caesalpinia digyna</i> Rottler. <i>Fitoquímica</i> , 2012, 83, 395-401.	2.2	91
70	Glutamate antagonism fails to reverse mitochondrial dysfunction in late phase of experimental neonatal asphyxia in rats. <i>Neurochemistry International</i> , 2011, 58, 582-590.	3.8	9
71	<i>Asparagus racemosus</i> competitively inhibits in vitro the acetylcholine and monoamine metabolizing enzymes. <i>Neuroscience Letters</i> , 2011, 503, 6-9.	2.1	28
72	Gastroprotective potential of risperidone, an atypical antipsychotic, against stress and pyloric ligation induced gastric lesions. <i>Chemico-Biological Interactions</i> , 2011, 190, 155-164.	4.0	16

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73	Risperidone in Ultra Low Dose Protects Against Stress in the Rodent Cold Restraint Model by Modulating Stress Pathways. <i>Neurochemical Research</i> , 2011, 36, 1750-1758.	3.3	19
74	Eugenol as an anti-stress agent: Modulation of hypothalamicâ€“pituitaryâ€“adrenal axis and brain monoaminergic systems in a rat model of stress. <i>Stress</i> , 2011, 14, 145-155.	1.8	62
75	Study of anti-inflammatory, analgesic and antipyretic activities of seeds of <i>Hyoscyamus niger</i> and isolation of a new coumarinolignan. <i>FÄ–toterapÄ–Äç</i> , 2010, 81, 178-184.	2.2	67
76	Lobeline Inhibits Methamphetamine-Evoked Dopamine Release via Inhibition of the Vesicular Monoamine Transporter-2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 612-621.	2.5	45
77	<i>Asparagus racemosus</i> enhances memory and protects against amnesia in rodent models. <i>Brain and Cognition</i> , 2010, 74, 1-9.	1.8	58
78	Antidepressant activity of <i>Asparagus racemosus</i> in rodent models. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 91, 283-290.	2.9	79
79	Temporal Characterization of Mitochondrial Bioenergetics after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2007, 24, 991-999.	3.4	155