

# Chidambaram Saravana Babu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

884  
citations

16  
h-index

26  
g-index

79  
ext. papers

1,279  
ext. citations

4.2  
avg, IF

4.29  
L-index

#	Paper	IF	Citations
70	Therapeutic benefits of flavonoids against neuroinflammation: a systematic review.. <i>Inflammopharmacology</i> , <b>2022</b> , 30, 111	5.1	4
69	Alterations in Tryptophan Metabolism Affect Vascular Functions: Connected to Ageing Population Vulnerability to COVID-19 Infection?. <i>International Journal of Tryptophan Research</i> , <b>2022</b> , 15, 1178646922108391	5.6	1
68	Analgesic, anti-inflammatory and acute oral toxicity profile of leaf and bark extracts of <i>Albizia procera</i> .. <i>BMC Complementary Medicine and Therapies</i> , <b>2022</b> , 22, 50	2.9	
67	The Influence of Gut Dysbiosis in the Pathogenesis and Management of Ischemic Stroke.. <i>Cells</i> , <b>2022</b> , 11,	7.9	6
66	Mechanistic Insights into the Link between Gut Dysbiosis and Major Depression: An Extensive Review.. <i>Cells</i> , <b>2022</b> , 11,	7.9	7
65	Effects of Telmisartan, an AT1 receptor antagonist, on mitochondria-specific genes expression in a mouse MPTP model of Parkinsonism. <i>Frontiers in Bioscience</i> , <b>2021</b> , 26, 262-271		1
64	Mitochondria-Endoplasmic Reticulum Crosstalk in Parkinson's Disease: The Role of Brain Renin Angiotensin System Components. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	4
63	Fortification methods of coenzyme Q10 in yogurt and its health functionality-a review. <i>Frontiers in Bioscience - Scholar</i> , <b>2021</b> , 13, 131-140	2.4	1
62	Identifying kinase targets of PPAR $\alpha$ in human breast cancer. <i>Journal of Drug Targeting</i> , <b>2021</b> , 29, 660-668	5.4	1
61	Precision health in Alzheimer disease: Risk assessment-based strategies. <i>Precision Medical Sciences</i> , <b>2021</b> , 10, 54-70	1	
60	Papaverine, a Phosphodiesterase 10A Inhibitor, Ameliorates Quinolinic Acid-Induced Synaptotoxicity in Human Cortical Neurons. <i>Neurotoxicity Research</i> , <b>2021</b> , 39, 1238-1250	4.3	2
59	Preclinical animal studies in ischemic stroke: Challenges and some solutions. <i>Animal Models and Experimental Medicine</i> , <b>2021</b> , 4, 104-115	4.2	10
58	"Janus-Faced" $\beta$ Synuclein: Role in Parkinson's Disease. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 673395	5.7	3
57	Does COVID-19 contribute to development of neurological disease?. <i>Immunity, Inflammation and Disease</i> , <b>2021</b> , 9, 48-58	2.4	17
56	Mitochondrial and Organellar Crosstalk in Parkinson's Disease. <i>ASN Neuro</i> , <b>2021</b> , 13, 175909142110283643	5.3	2
55	Acetylsalicylic acid improves cognitive performance in sleep deprived adult Zebrafish ( <i>Danio rerio</i> ) model. <i>Frontiers in Bioscience - Landmark</i> , <b>2021</b> , 26, 114-124	2.8	0
54	Gut dysbiosis, defective autophagy and altered immune responses in neurodegenerative diseases: Tales of a vicious cycle. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 107988	13.9	8

53	Chemical profiling and in-vitro anti-inflammatory activity of bioactive fraction(s) from <i>Trichodesma indicum</i> (L.) R.Br. against LPS induced inflammation in RAW 264.7 murine macrophage cells. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 279, 114235	5	1
52	Nanodelivery Systems Targeting Epidermal Growth Factor Receptors for Glioma Management. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	3
51	Sleep Deprivation and Neurological Disorders. <i>BioMed Research International</i> , <b>2020</b> , 2020, 5764017	3	26
50	Neuroinflammation Mechanisms and Phytotherapeutic Intervention: A Systematic Review. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 3707-3731	5.7	11
49	Mitochondria-targeted drug delivery in neurodegenerative diseases <b>2020</b> , 97-117		3
48	Gene Pair Correlation Coefficients in Sphingolipid Metabolic Pathway as a Potential Prognostic Biomarker for Breast Cancer. <i>Cancers</i> , <b>2020</b> , 12,	6.6	7
47	Social and Biological Parameters Involved in Suicide Ideation During the COVID-19 Pandemic: A Narrative Review.. <i>International Journal of Tryptophan Research</i> , <b>2020</b> , 13, 1178646920978243	5.6	1
46	Protein Nutrition in Autism. <i>Advances in Neurobiology</i> , <b>2020</b> , 24, 573-586	2.1	3
45	Autism and Gut-Brain Axis: Role of Probiotics. <i>Advances in Neurobiology</i> , <b>2020</b> , 24, 587-600	2.1	8
44	Natural Products and Their Therapeutic Effect on Autism Spectrum Disorder. <i>Advances in Neurobiology</i> , <b>2020</b> , 24, 601-614	2.1	1
43	Phosphodiesterase-4 enzyme as a therapeutic target in neurological disorders. <i>Pharmacological Research</i> , <b>2020</b> , 160, 105078	10.2	18
42	Cardioprotective potential of polyphenols rich Thraatchathi Chooranam against isoproterenol induced myocardial necrosis in experimental rats. <i>BMC Complementary Medicine and Therapies</i> , <b>2020</b> , 20, 356	2.9	4
41	Effects of Sleep Deprivation on the Tryptophan Metabolism. <i>International Journal of Tryptophan Research</i> , <b>2020</b> , 13, 1178646920970902	5.6	10
40	Enhancing Drug Efficacy against Mastitis Pathogens-An In Vitro Pilot Study in and. <i>Animals</i> , <b>2020</b> , 10,	3.1	2
39	Roflumilast, a cAMP-Specific Phosphodiesterase-4 Inhibitor, Reduces Oxidative Stress and Improves Synapse Functions in Human Cortical Neurons Exposed to the Excitotoxin Quinolinic Acid. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 4405-4415	5.7	4
38	Sleep, brain vascular health and ageing. <i>GeroScience</i> , <b>2020</b> , 42, 1257-1283	8.9	6
37	Cocoa beans improve mitochondrial biogenesis via PPAR $\gamma$ /PGC1 $\alpha$ dependent signalling pathway in MPP intoxicated human neuroblastoma cells (SH-SY5Y). <i>Nutritional Neuroscience</i> , <b>2020</b> , 23, 471-480	3.6	8
36	A systems biology approach towards the identification of candidate therapeutic genes and potential biomarkers for Parkinson's disease. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220995	3.7	10

35	Benefits of curcumin in brain disorders. <i>BioFactors</i> , <b>2019</b> , 45, 666-689	6.1	64
34	Enhancing anti-cancer activity of erlotinib by antibody conjugated nanofibrin - In vitro studies on lung adenocarcinoma cell lines. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 224, 328-333	4.4	6
33	Protective Effects of Antioxidants in Huntington's Disease: an Extensive Review. <i>Neurotoxicity Research</i> , <b>2019</b> , 35, 739-774	4.3	34
32	Dendritic spines: Revisiting the physiological role. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2019</b> , 92, 161-193	5.5	76
31	Amelioration of Aluminum Maltolate-Induced Inflammation and Endoplasmic Reticulum Stress-Mediated Apoptosis by Tannoid Principles of <i>Emblica officinalis</i> in Neuronal Cellular Model. <i>Neurotoxicity Research</i> , <b>2019</b> , 35, 318-330	4.3	16
30	Naringenin Decreases $\beta$ Synuclein Expression and Neuroinflammation in MPTP-Induced Parkinson's Disease Model in Mice. <i>Neurotoxicity Research</i> , <b>2018</b> , 33, 656-670	4.3	33
29	Thraatchathi Chooranam, protects cardiomyocytes against oxidative stress. <i>Frontiers in Bioscience - Elite</i> , <b>2018</b> , 10, 437-448	1.6	1
28	Telmisartan Ameliorates Astroglial and Dopaminergic Functions in a Mouse Model of Chronic Parkinsonism. <i>Neurotoxicity Research</i> , <b>2018</b> , 34, 597-612	4.3	13
27	Demethoxycurcumin, a Natural Derivative of Curcumin Abrogates Rotenone-induced Dopamine Depletion and Motor Deficits by Its Antioxidative and Anti-inflammatory Properties in Parkinsonian Rats. <i>Pharmacognosy Magazine</i> , <b>2018</b> , 14, 9-16	0.8	23
26	Asiatic acid nullified aluminium toxicity in in vitro model of Alzheimer's disease. <i>Frontiers in Bioscience - Elite</i> , <b>2018</b> , 10, 287-299	1.6	15
25	Efficacy of Dipeptide-Coated Magnetic Nanoparticles in Lung Cancer Models Under Pulsed Electromagnetic Field. <i>Cancer Investigation</i> , <b>2017</b> , 35, 431-442	2.1	7
24	Simultaneous blockade of NMDA receptors and PARP-1 activity synergistically alleviate immunoexcitotoxicity and bioenergetics in 3-nitropropionic acid intoxicated mice: Evidences from memantine and 3-aminobenzamide interventions. <i>European Journal of Pharmacology</i> , <b>2017</b> , 803, 148-158	5.3	10
23	P3-294: Effect of a Centrally Acting Anti Hypertensive Drug, Clonidine, on Hypertension-Induced Cognitive Impairment in Rats <b>2016</b> , 12, P953-P954		
22	Sesame indicum, a nutritional supplement, elicits anti-amnesic effect via cholinergic pathway in scopolamine intoxicated mice. <i>Environmental Toxicology</i> , <b>2016</b> , 31, 1955-1963	4.2	2
21	Molecular Mechanism of Regulation of MTA1 Expression by Granulocyte Colony-stimulating Factor. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 12310-21	5.4	7
20	Phosphodiesterase-4 inhibitors ameliorates cognitive deficits in deoxycorticosterone acetate induced hypertensive rats via cAMP/CREB signaling system. <i>Brain Research</i> , <b>2015</b> , 1622, 279-91	3.7	22
19	Effects of rolipram and roflumilast, phosphodiesterase-4 inhibitors, on hypertension-induced defects in memory function in rats. <i>European Journal of Pharmacology</i> , <b>2015</b> , 746, 138-47	5.3	35
18	Memantine exerts functional recovery by improving BDNF and GDNF expression in 3-nitropropionic acid intoxicated mice. <i>Neuroscience Letters</i> , <b>2015</b> , 586, 1-7	3.3	16

17	P1-317: Phosphodiesterase-4 inhibitors alleviate hypertension-induced cognitive impairment via camp/creb signaling that regulates BDNF expression downstream in rat hippocampus <b>2015</b> , 11, P478-P478		
16	Venthamarai chooranam, a polyherbal Siddha medicine, alleviates hypertension via ATR and eNOS signaling pathway in 2K1C hypertensive rats. <i>Experimental Biology and Medicine</i> , <b>2014</b> , 239, 758-69	3-7	7
15	P1-426: BENEFICIAL EFFECTS OF PHOSPHODIESTERASE 4 INHIBITORS ON HYPERTENSION-INDUCED DEFECTS IN MEMORY FUNCTION IN RATS <b>2014</b> , 10, P469-P470		
14	Prenatal exposure to lamotrigine: effects on postnatal development and behaviour in rat offspring. <i>ISRN Neuroscience</i> , <b>2014</b> , 2014, 163459		5
13	Alteration in bioenergetic regulators, SirT1 and Parp1 expression precedes oxidative stress in rats subjected to transient cerebral focal ischemia: molecular and histopathologic evidences. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2014</b> , 23, 2753-2766	2.8	12
12	Telmisartan attenuates MPTP induced dopaminergic degeneration and motor dysfunction through regulation of Pynuclein and neurotrophic factors (BDNF and GDNF) expression in C57BL/6J mice. <i>Neuropharmacology</i> , <b>2013</b> , 73, 98-110	5.5	43
11	Cuminum cyminum, a dietary spice, attenuates hypertension via endothelial nitric oxide synthase and NO pathway in renovascular hypertensive rats. <i>Clinical and Experimental Hypertension</i> , <b>2013</b> , 35, 534-42	2.2	18
10	Polyphenols in madhumeega chooranam, a Siddha medicine, ameliorates carbohydrate metabolism and oxidative stress in type II diabetic rats. <i>Journal of Ethnopharmacology</i> , <b>2012</b> , 142, 331-6	5	5
9	Acute toxicity and the 28-day repeated dose study of a Siddha medicine Nuna Kadugu in rats. <i>BMC Complementary and Alternative Medicine</i> , <b>2012</b> , 12, 190	4.7	8
8	Total oligomeric flavonoids of <i>Cyperus rotundus</i> ameliorates neurological deficits, excitotoxicity and behavioral alterations induced by cerebral ischemic-reperfusion injury in rats. <i>Brain Research Bulletin</i> , <b>2011</b> , 84, 394-405	3.9	59
7	Post-ischemic administration of nimodipine following focal cerebral ischemic-reperfusion injury in rats alleviated excitotoxicity, neurobehavioural alterations and partially the bioenergetics. <i>International Journal of Developmental Neuroscience</i> , <b>2011</b> , 29, 93-105	2.7	43
6	A Simple Densitometric Method for the Quantification of Inhibitory Neurotransmitter Gamma-Aminobutyric Acid (GABA) in Rat Brain Tissue. <i>Chromatography Research International</i> , <b>2011</b> , 2011, 1-5		7
5	Pre-ischemic treatment with memantine reversed the neurochemical and behavioural parameters but not energy metabolites in middle cerebral artery occluded rats. <i>Pharmacology Biochemistry and Behavior</i> , <b>2009</b> , 92, 424-32	3.9	34
4	Evaluation of behavioural and antioxidant activity of <i>Cytisus scoparius</i> Link in rats exposed to chronic unpredictable mild stress. <i>BMC Complementary and Alternative Medicine</i> , <b>2008</b> , 8, 15	4.7	43
3	Development and Validation of an HPTLC Method for Simultaneous Estimation of Excitatory Neurotransmitters in Rat Brain. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2007</b> , 30, 2891-2902	1.3	16
2	Functional foods and their impact on health. <i>Journal of Food Science and Technology</i> , 1	3.3	0
1	Impact of Sleep Deprivation on Major Neuroinflammatory Signal Transduction Pathways. <i>Sleep and Vigilance</i> ,	1.4	