

Thamilarasan Manivasagam

List of Publications by Year in descending order

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78
papers

3,463
citations

81839

39
h-index

149623

56
g-index

83
all docs

83
docs citations

83
times ranked

4509
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendritic spines: Revisiting the physiological role. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 161-193.	2.5	165
2	Neuroprotective Effect of Hesperidin on Aluminium Chloride Induced Alzheimer's Disease in Wistar Rats. <i>Neurochemical Research</i> , 2015, 40, 767-776.	1.6	134
3	Neuroprotective Effects of Hesperidin, a Plant Flavanone, on Rotenone-Induced Oxidative Stress and Apoptosis in a Cellular Model for Parkinson's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-11.	1.9	125
4	Withania somnifera root extract improves catecholamines and physiological abnormalities seen in a Parkinson's disease model mouse. <i>Journal of Ethnopharmacology</i> , 2009, 125, 369-373.	2.0	119
5	Ashwagandha leaf extract: A potential agent in treating oxidative damage and physiological abnormalities seen in a mouse model of Parkinson's disease. <i>Neuroscience Letters</i> , 2009, 454, 11-15.	1.0	119
6	Neuroprotective effects of berry fruits on neurodegenerative diseases. <i>Neural Regeneration Research</i> , 2014, 9, 1557.	1.6	117
7	Hesperidin ameliorates cognitive dysfunction, oxidative stress and apoptosis against aluminium chloride induced rat model of Alzheimer's disease. <i>Nutritional Neuroscience</i> , 2017, 20, 360-368.	1.5	104
8	Neuroprotective effect of lycopene against MPTP induced experimental Parkinson's disease in mice. <i>Neuroscience Letters</i> , 2015, 599, 12-19.	1.0	96
9	Theaflavin, a black tea polyphenol, protects nigral dopaminergic neurons against chronic MPTP/probenecid induced Parkinson's disease. <i>Brain Research</i> , 2012, 1433, 104-113.	1.1	90
10	The neuroprotective effect of Withania somnifera root extract in MPTP-intoxicated mice: An analysis of behavioral and biochemical variables. <i>Cellular and Molecular Biology Letters</i> , 2007, 12, 473-81.	2.7	89
11	Mangiferin attenuates MPTP induced dopaminergic neurodegeneration and improves motor impairment, redox balance and Bcl-2/Bax expression in experimental Parkinson's disease mice. <i>Chemico-Biological Interactions</i> , 2013, 206, 239-247.	1.7	83
12	Lutein protects dopaminergic neurons against MPTP-induced apoptotic death and motor dysfunction by ameliorating mitochondrial disruption and oxidative stress. <i>Nutritional Neuroscience</i> , 2016, 19, 237-246.	1.5	77
13	Attenuation of Aluminum Chloride-Induced Neuroinflammation and Caspase Activation Through the AKT/GSK-3 β Pathway by Hesperidin in Wistar Rats. <i>Neurotoxicity Research</i> , 2018, 34, 463-476.	1.3	76
14	Vanillin Attenuated Behavioural Impairments, Neurochemical Deficits, Oxidative Stress and Apoptosis Against Rotenone Induced Rat Model of Parkinson's Disease. <i>Neurochemical Research</i> , 2016, 41, 1899-1910.	1.6	70
15	Protective effect of black tea extract against aluminium chloride-induced Alzheimer's disease in rats: A behavioural, biochemical and molecular approach. <i>Journal of Functional Foods</i> , 2015, 16, 423-435.	1.6	69
16	Neuroprotective Effect of CNB-001, a Novel Pyrazole Derivative of Curcumin on Biochemical and Apoptotic Markers Against Rotenone-Induced SK-N-SH Cellular Model of Parkinson's Disease. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 863-870.	1.1	68
17	Pomegranate from Oman Alleviates the Brain Oxidative Damage in Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Traditional and Complementary Medicine</i> , 2014, 4, 232-238.	1.5	68
18	Role of Oxidative Stress and Antioxidants in Autism. <i>Advances in Neurobiology</i> , 2020, 24, 193-206.	1.3	67

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19	Tannoid principles of <i>Emblica officinalis</i> renovate cognitive deficits and attenuate amyloid pathologies against aluminum chloride induced rat model of Alzheimer's disease. <i>Nutritional Neuroscience</i> , 2016, 19, 269-278.	1.5	66
20	Fenugreek Seed Powder Attenuated Aluminum Chloride-Induced Tau Pathology, Oxidative Stress, and Inflammation in a Rat Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, S209-S220.	1.2	61
21	Therapeutic Attenuation of Neuroinflammation and Apoptosis by Black Tea Theaflavin in Chronic MPTP/Probenecid Model of Parkinson's Disease. <i>Neurotoxicity Research</i> , 2013, 23, 166-173.	1.3	58
22	Asiatic Acid Attenuated Aluminum Chloride-Induced Tau Pathology, Oxidative Stress and Apoptosis Via AKT/GSK-3 β Signaling Pathway in Wistar Rats. <i>Neurotoxicity Research</i> , 2019, 35, 955-968.	1.3	57
23	Neurosupportive Role of Vanillin, a Natural Phenolic Compound, on Rotenone Induced Neurotoxicity in SH-SY5Y Neuroblastoma Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-11.	0.5	56
24	Neuroprotective effect of Demethoxycurcumin, a natural derivative of Curcumin on rotenone induced neurotoxicity in SH-SY 5Y Neuroblastoma cells. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 217.	3.7	53
25	Neuroprotective effect of asiatic acid on rotenone-induced mitochondrial dysfunction and oxidative stress-mediated apoptosis in differentiated SH-SY5Y cells. <i>Nutritional Neuroscience</i> , 2017, 20, 351-359.	1.5	52
26	Naringenin Decreases α -Synuclein Expression and Neuroinflammation in MPTP-Induced Parkinson's Disease Model in Mice. <i>Neurotoxicity Research</i> , 2018, 33, 656-670.	1.3	52
27	Neuroprotective role of Asiatic acid in aluminium chloride induced rat model of Alzheimer's disease. <i>Frontiers in Bioscience - Scholar</i> , 2018, 10, 262-275.	0.8	52
28	Melatonin protects against behavioral deficits, dopamine loss and oxidative stress in homocysteine model of Parkinson's disease. <i>Life Sciences</i> , 2018, 192, 238-245.	2.0	51
29	Protective Effects of Antioxidants in Huntington's Disease: an Extensive Review. <i>Neurotoxicity Research</i> , 2019, 35, 739-774.	1.3	50
30	A Comprehensive In Silico Analysis on the Structural and Functional Impact of SNPs in the Congenital Heart Defects Associated with NKX2-5 Gene: A Molecular Dynamic Simulation Approach. <i>PLoS ONE</i> , 2016, 11, e0153999.	1.1	49
31	Neuroprotective effect of fucoidan from <i>Turbinaria decurrens</i> in MPTP intoxicated Parkinsonic mice. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 425-433.	3.6	47
32	Neuroprotective attributes of L-theanine, a bioactive amino acid of tea, and its potential role in Parkinson's disease therapeutics. <i>Neurochemistry International</i> , 2019, 129, 104478.	1.9	47
33	Hepatoprotective effect of fucoidan isolated from the seaweed <i>Turbinaria decurrens</i> in ethanol intoxicated rats. <i>International Journal of Biological Macromolecules</i> , 2014, 67, 367-372.	3.6	46
34	Fenugreek Seed Powder Nullified Aluminium Chloride Induced Memory Loss, Biochemical Changes, $\text{A}\beta$ Burden and Apoptosis via Regulating Akt/GSK3 β Signaling Pathway. <i>PLoS ONE</i> , 2016, 11, e0165955.	1.1	45
35	Neurotrophic Effect of Asiatic acid, a Triterpene of <i>Centella asiatica</i> Against Chronic 1-Methyl 4-Phenyl 1, 2, 3, 6-Tetrahydropyridine Hydrochloride/Probenecid Mouse Model of Parkinson's disease: The Role of MAPK, PI3K-Akt-GSK3 β and mTOR Signalling Pathways. <i>Neurochemical Research</i> , 2017, 42, 1354-1365.	1.6	44
36	Resveratrol attenuates oxidative stress and improves behaviour in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) challenged parkinsonic mice. <i>Annals of Neurosciences</i> , 2010, 17, 113-9.	0.9	44

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37	Melatonin synergizes with low doses of DOPA to improve dendritic spine density in the mouse striatum in experimental Parkinsonism. <i>Journal of Pineal Research</i> , 2013, 55, 304-312.	3.4	42
38	Escin attenuates behavioral impairments, oxidative stress and inflammation in a chronic MPTP/probenecid mouse model of Parkinson's disease. <i>Brain Research</i> , 2014, 1585, 23-36.	1.1	40
39	Theaflavin ameliorates behavioral deficits, biochemical indices and monoamine transporters expression against subacute 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced mouse model of Parkinson's disease. <i>Neuroscience</i> , 2012, 218, 257-267.	1.1	39
40	Mangiferin Antagonizes Rotenone: Induced Apoptosis Through Attenuating Mitochondrial Dysfunction and Oxidative Stress in SK-N-SH Neuroblastoma Cells. <i>Neurochemical Research</i> , 2014, 39, 668-676.	1.6	35
41	Tannoid principles of <i>Emblca officinalis</i> attenuated aluminum chloride induced apoptosis by suppressing oxidative stress and tau pathology via Akt/GSK-3 β signaling pathway. <i>Journal of Ethnopharmacology</i> , 2016, 194, 20-29.	2.0	35
42	Escin, a Novel Triterpene, Mitigates Chronic MPTP/p-Induced Dopaminergic Toxicity by Attenuating Mitochondrial Dysfunction, Oxidative Stress, and Apoptosis. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 184-197.	1.1	34
43	Influences of Chronic Mild Stress Exposure on Motor, Non-Motor Impairments and Neurochemical Variables in Specific Brain Areas of MPTP/Probenecid Induced Neurotoxicity in Mice. <i>PLoS ONE</i> , 2016, 11, e0146671.	1.1	30
44	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> , 2018, 14, 9.	0.3	30
45	Hepatoprotective activity of brown alga <i>Padina boergesenii</i> against CCl ₄ induced oxidative damage in Wistar rats. <i>Asian Pacific Journal of Tropical Medicine</i> , 2010, 3, 696-701.	0.4	29
46	Chemopreventive effect of <i>Padina boergesenii</i> extracts on ferric nitrilotriacetate (Fe-NTA)-induced oxidative damage in Wistar rats. <i>Journal of Applied Phycology</i> , 2011, 23, 257-263.	1.5	28
47	Antioxidant and anti-inflammatory potential of hesperidin against 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine-induced experimental Parkinson's disease in mice. <i>International Journal of Nutrition, Pharmacology, Neurological Diseases</i> , 2013, 3, 294.	0.6	28
48	Chronic mild stress augments MPTP induced neurotoxicity in a murine model of Parkinson's disease. <i>Physiology and Behavior</i> , 2017, 173, 132-143.	1.0	28
49	Pomegranate seed oil: Effect on 3-nitropropionic acid-induced neurotoxicity in PC12 cells and elucidation of unsaturated fatty acids composition. <i>Nutritional Neuroscience</i> , 2017, 20, 40-48.	1.5	26
50	Amelioration of Aluminum Maltolate-Induced Inflammation and Endoplasmic Reticulum Stress-Mediated Apoptosis by Tannoid Principles of <i>Emblca officinalis</i> in Neuronal Cellular Model. <i>Neurotoxicity Research</i> , 2019, 35, 318-330.	1.3	26
51	Asiatic acid nullified aluminium toxicity in in vitro model of Alzheimer's disease. <i>Frontiers in Bioscience - Elite</i> , 2018, 10, 287-299.	0.9	24
52	Isolongifolene attenuates rotenone-induced mitochondrial dysfunction oxidative stress and apoptosis. <i>Frontiers in Bioscience - Scholar</i> , 2018, 10, 248-261.	0.8	24
53	Omega-3 Fatty Acids Could Alleviate the Risks of Traumatic Brain Injury – A Mini Review. <i>Journal of Traditional and Complementary Medicine</i> , 2014, 4, 89-92.	1.5	23
54	Dietary Supplementation of Walnut Partially Reverses 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine Induced Neurodegeneration in a Mouse Model of Parkinson's Disease. <i>Neurochemical Research</i> , 2015, 40, 1283-1293.	1.6	23

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55	Cocoa beans improve mitochondrial biogenesis via PPAR α /PGC1 α dependent signalling pathway in MPP ⁺ intoxicated human neuroblastoma cells (SH-SY5Y). Nutritional Neuroscience, 2020, 23, 471-480.	1.5	20
56	CNB-001, a novel pyrazole derivative mitigates motor impairments associated with neurodegeneration via suppression of neuroinflammatory and apoptotic response in experimental Parkinson's disease mice. Chemo-Biological Interactions, 2014, 220, 149-157.	1.7	19
57	Low Molecular Weight Sulfated Chitosan: Neuroprotective Effect on Rotenone-Induced In Vitro Parkinson's Disease. Neurotoxicity Research, 2019, 35, 505-515.	1.3	19
58	Accumulation of Cholesterol and Homocysteine in the Nigrostriatal Pathway of Brain Contributes to the Dopaminergic Neurodegeneration in Mice. Neuroscience, 2018, 388, 347-356.	1.1	16
59	Telmisartan Ameliorates Astroglial and Dopaminergic Functions in a Mouse Model of Chronic Parkinsonism. Neurotoxicity Research, 2018, 34, 597-612.	1.3	15
60	Agaricus blazei extract attenuates rotenone-induced apoptosis through its mitochondrial protective and antioxidant properties in SH-SY5Y neuroblastoma cells. Nutritional Neuroscience, 2018, 21, 97-107.	1.5	14
61	Neuroprotective Effect of Epalrestat on Hydrogen Peroxide-Induced Neurodegeneration in SH-SY5Y Cellular Model. Journal of Microbiology and Biotechnology, 2021, 31, 867-874.	0.9	11
62	Constant light influences the circadian oscillations of circulatory lipid peroxidation, antioxidants and some biochemical variables in rats. Biological Rhythm Research, 2006, 37, 471-477.	0.4	10
63	Agaricus blazei extract abrogates rotenone-induced dopamine depletion and motor deficits by its anti-oxidative and anti-inflammatory properties in Parkinsonic mice. Nutritional Neuroscience, 2018, 21, 657-666.	1.5	10
64	Dietary Supplements/Antioxidants: Impact on Redox Status in Brain Diseases. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-2.	1.9	9
65	Protective effect of Zizyphus spinachristi on MPP ⁺ -induced oxidative stress. Frontiers in Bioscience - Scholar, 2018, 10, 285-299.	0.8	9
66	Antioxidant therapies in attention deficit hyperactivity disorder. Frontiers in Bioscience - Landmark, 2019, 24, 313-333.	3.0	9
67	Epigallocatechin Gallate Attenuates Behavioral Defects in Sodium Valproate Induced Autism Rat Model. Research Journal of Pharmacy and Technology, 2017, 10, 1477.	0.2	8
68	Metabolic normalization of α -ketoglutarate against N-nitrosodiethylamine-induced hepatocarcinogenesis in rats. Fundamental and Clinical Pharmacology, 2006, 20, 477-480.	1.0	7
69	Influence of aging on the circadian patterns of thiobarbituric acid reactive substances and antioxidants in Wistar rats. Biological Rhythm Research, 2011, 42, 147-154.	0.4	7
70	Sulfated polysaccharides of Turbinaria conoides dose-dependently mitigate oxidative stress by ameliorating antioxidants in isoproterenol induced myocardial injured rats: Evidence from histopathological study. Egyptian Heart Journal, 2012, 64, 147-153.	0.4	6
71	Role of Plant Polyphenols in Alzheimer's Disease. Advances in Neurobiology, 2016, 12, 153-171.	1.3	6
72	Natural Products and Their Therapeutic Effect on Autism Spectrum Disorder. Advances in Neurobiology, 2020, 24, 601-614.	1.3	6

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73	Monosodium glutamate affects the temporal characteristics of biochemical variables in Wistar rats. Polish Journal of Pharmacology, 2004, 56, 79-84.	0.3	5
74	Influence of Diallyl Disulphide on Temporal Patterns of Circulatory Lipid Peroxidation Products and Antioxidants in N-Nitrosodiethylamine-Induced Hepatocarcinogenesis in Rats. Toxicology Mechanisms and Methods, 2007, 17, 25-32.	1.3	2
75	Role of biological clocks in cancer processes and chronotherapy. Biological Rhythm Research, 2010, 41, 391-402.	0.4	1
76	Influence of S-allyl cysteine on biochemical circadian rhythms in young and aged rats. Biological Rhythm Research, 2011, 42, 155-162.	0.4	1
77	Bioactive Metabolites from Marine Ascidians: Future Treatment for Autism Spectrum Disorder. Advances in Neurobiology, 2020, 24, 661-678.	1.3	1
78	Effect of figs fruits extracts on rotenone-induced Parkinson's disease-like cytotoxicity in SH-SY5Y cells. FASEB Journal, 2019, 33, 501.9.	0.2	0