## Thamilarasan Manivasagam

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4286389/publications.pdf

Version: 2024-02-01



#	Article	IF	CITATIONS
1	Dendritic spines: Revisiting the physiological role. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 92, 161-193.	4.8	165
2	Neuroprotective Effect of Hesperidin on Aluminium Chloride Induced Alzheimer's Disease in Wistar Rats. Neurochemical Research, 2015, 40, 767-776.	3.3	134
3	Neuroprotective Effects of Hesperidin, a Plant Flavanone, on Rotenone-Induced Oxidative Stress and Apoptosis in a Cellular Model for Parkinson's Disease. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-11.	4.0	125
4	Withania somnifera root extract improves catecholamines and physiological abnormalities seen in a Parkinson's disease model mouse. Journal of Ethnopharmacology, 2009, 125, 369-373.	4.1	119
5	Ashwagandha leaf extract: A potential agent in treating oxidative damage and physiological abnormalities seen in a mouse model of Parkinson's disease. Neuroscience Letters, 2009, 454, 11-15.	2.1	119
6	Neuroprotective effects of berry fruits on neurodegenerative diseases. Neural Regeneration Research, 2014, 9, 1557.	3.0	117
7	Hesperidin ameliorates cognitive dysfunction, oxidative stress and apoptosis against aluminium chloride induced rat model of Alzheimer's disease. Nutritional Neuroscience, 2017, 20, 360-368.	3.1	104
8	Neuroprotective effect of lycopene against MPTP induced experimental Parkinson's disease in mice. Neuroscience Letters, 2015, 599, 12-19.	2.1	96
9	Theaflavin, a black tea polyphenol, protects nigral dopaminergic neurons against chronic MPTP/probenecid induced Parkinson's disease. Brain Research, 2012, 1433, 104-113.	2.2	90
10	The neuroprotective effect of Withania somnifera root extract in MPTP-intoxicated mice: An analysis of behavioral and biochemical varibles. Cellular and Molecular Biology Letters, 2007, 12, 473-81.	7.0	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. Chemico-Biological Interactions, 2013, 206, 239-247.	4.0	83
12	Lutein protects dopaminergic neurons against MPTP-induced apoptotic death and motor dysfunction by ameliorating mitochondrial disruption and oxidative stress. Nutritional Neuroscience, 2016, 19, 237-246.	3.1	77
13	Attenuation of Aluminum Chloride-Induced Neuroinflammation and Caspase Activation Through the AKT/GSK-3Î <sup>2</sup> Pathway by Hesperidin in Wistar Rats. Neurotoxicity Research, 2018, 34, 463-476.	2.7	76
14	Vanillin Attenuated Behavioural Impairments, Neurochemical Deficts, Oxidative Stress and Apoptosis Against Rotenone Induced Rat Model of Parkinson's Disease. Neurochemical Research, 2016, 41, 1899-1910.	3.3	70
15	Protective effect of black tea extract against aluminium chloride-induced Alzheimer's disease in rats: A behavioural, biochemical and molecular approach. Journal of Functional Foods, 2015, 16, 423-435.	3.4	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. Journal of Molecular Neuroscience, 2013, 51, 863-870.	2.3	68
17	Pomegranate from Oman Alleviates the Brain Oxidative Damage in Transgenic Mouse Model of Alzheimer's Disease. Journal of Traditional and Complementary Medicine, 2014, 4, 232-238.	2.7	68
18	Role of Oxidative Stress and Antioxidants in Autism. Advances in Neurobiology, 2020, 24, 193-206.	1.8	67

#	Article	IF	CITATIONS
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. Nutritional Neuroscience, 2016, 19, 269-278.	3.1	66
20	Fenugreek Seed Powder Attenuated Aluminum Chloride-Induced Tau Pathology, Oxidative Stress, and Inflammation in a Rat Model of Alzheimer's Disease1. Journal of Alzheimer's Disease, 2017, 60, S209-S220.	2.6	61
21	Therapeutic Attenuation of Neuroinflammation and Apoptosis by Black Tea Theaflavin in Chronic MPTP/Probenecid Model of Parkinson's Disease. Neurotoxicity Research, 2013, 23, 166-173.	2.7	58
22	Asiatic Acid Attenuated Aluminum Chloride-Induced Tau Pathology, Oxidative Stress and Apoptosis Via AKT/GSK-3β Signaling Pathway in Wistar Rats. Neurotoxicity Research, 2019, 35, 955-968.	2.7	57
23	Neurosupportive Role of Vanillin, a Natural Phenolic Compound, on Rotenone Induced Neurotoxicity in SH-SY5Y Neuroblastoma Cells. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-11.	1.2	56
24	Neuroprotective effect of Demethoxycurcumin, a natural derivative of Curcumin on rotenone induced neurotoxicity in SH-SY 5Y Neuroblastoma cells. BMC Complementary and Alternative Medicine, 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-SYS5Y cells. Nutritional Neuroscience, 2017, 20, 351-359.	3.1	52
26	Naringenin Decreases α-Synuclein Expression and Neuroinflammation in MPTP-Induced Parkinson's Disease Model in Mice. Neurotoxicity Research, 2018, 33, 656-670.	2.7	52
27	Neuroprotective role of Asiatic acid in aluminium chloride induced rat model of Alzheimer rsquo s disease. Frontiers in Bioscience - Scholar, 2018, 10, 262-275.	2.1	52
28	Melatonin protects against behavioral deficits, dopamine loss and oxidative stress in homocysteine model of Parkinson's disease. Life Sciences, 2018, 192, 238-245.	4.3	51
29	Protective Effects of Antioxidants in Huntington's Disease: an Extensive Review. Neurotoxicity Research, 2019, 35, 739-774.	2.7	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. PLoS ONE, 2016, 11, e0153999.	2.5	49
31	Neuroprotective effect of fucoidan from Turbinaria decurrens in MPTP intoxicated Parkinsonic mice. International Journal of Biological Macromolecules, 2016, 86, 425-433.	7.5	47
32	Neuroprotective attributes of L-theanine, a bioactive amino acid of tea, and its potential role in Parkinson's disease therapeutics. Neurochemistry International, 2019, 129, 104478.	3.8	47
33	Hepatoprotective effect of fucoidan isolated from the seaweed Turbinaria decurrens in ethanol intoxicated rats. International Journal of Biological Macromolecules, 2014, 67, 367-372.	7.5	46
34	Fenugreek Seed Powder Nullified Aluminium Chloride Induced Memory Loss, Biochemical Changes, Aβ Burden and Apoptosis via Regulating Akt/GSK3β Signaling Pathway. PLoS ONE, 2016, 11, e0165955.	2.5	45
35	Neurotrophic Effect of Asiatic acid, a Triterpene of Centella asiatica 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-GSK3Î <sup>2</sup> and mTOR Signalling Pathways. Neurochemical Research, 2017, 42, 1354-1365.	3.3	44
36	Resveratrol attenuates oxidative stress and improves behaviour in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) challenged parkinsonic mice. Annals of Neurosciences. 2010. 17. 113-9.	1.7	44

#	Article	IF	CITATIONS
37	Melatonin synergizes with low doses of Lâ€ <scp>DOPA</scp> to improve dendritic spine density in the mouse striatum in experimental Parkinsonism. Journal of Pineal Research, 2013, 55, 304-312.	7.4	42
38	Escin attenuates behavioral impairments, oxidative stress and inflammation in a chronic MPTP/probenecid mouse model of Parkinson׳s disease. Brain Research, 2014, 1585, 23-36.	2.2	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. Neuroscience, 2012, 218, 257-267.	2.3	39
40	Mangiferin Antagonizes Rotenone: Induced Apoptosis Through Attenuating Mitochondrial Dysfunction and Oxidative Stress in SK-N-SH Neuroblastoma Cells. Neurochemical Research, 2014, 39, 668-676.	3.3	35
41	Tannoid principles of Emblica officinalis attenuated aluminum chloride induced apoptosis by suppressing oxidative stress and tau pathology via Akt/GSK-3βsignaling pathway. Journal of Ethnopharmacology, 2016, 194, 20-29.	4.1	35
42	Escin, a Novel Triterpene, Mitigates Chronic MPTP/p-Induced Dopaminergic Toxicity by Attenuating Mitochondrial Dysfunction, Oxidative Stress, and Apoptosis. Journal of Molecular Neuroscience, 2015, 55, 184-197.	2.3	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. PLoS ONE, 2016, 11, e0146671.	2.5	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. Pharmacognosy Magazine, 2018, 14, 9.	0.6	30
45	Hepatoprotective activity of brown alga Padina boergesenii against CCl4 induced oxidative damage in Wistar rats. Asian Pacific Journal of Tropical Medicine, 2010, 3, 696-701.	0.8	29
46	Chemopreventive effect of Padina boergesenii extracts on ferric nitrilotriacetate (Fe-NTA)-induced oxidative damage in Wistar rats. Journal of Applied Phycology, 2011, 23, 257-263.	2.8	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. International Journal of Nutrition, Pharmacology, Neurological Diseases, 2013, 3, 294.	0.5	28
48	Chronic mild stress augments MPTP induced neurotoxicity in a murine model of Parkinson's disease. Physiology and Behavior, 2017, 173, 132-143.	2.1	28
49	Pomegranate seed oil: Effect on 3-nitropropionic acid-induced neurotoxicity in PC12 cells and elucidation of unsaturated fatty acids composition. Nutritional Neuroscience, 2017, 20, 40-48.	3.1	26
50	Amelioration of Aluminum Maltolate-Induced Inflammation and Endoplasmic Reticulum Stress-Mediated Apoptosis by Tannoid Principles of Emblica officinalis in Neuronal Cellular Model. Neurotoxicity Research, 2019, 35, 318-330.	2.7	26
51	Asiatic acid nullified aluminium toxicity in in vitro model of Alzheimer rsquo s disease. Frontiers in Bioscience - Elite, 2018, 10, 287-299.	1.8	24
52	Isolongifolene attenuates rotenone-induced mitochondrial dysfunction oxidative stress and apoptosis. Frontiers in Bioscience - Scholar, 2018, 10, 248-261.	2.1	24
53	Omega-3 Fatty Acids Could Alleviate the Risks of Traumatic Brain Injury – A Mini Review. Journal of Traditional and Complementary Medicine, 2014, 4, 89-92.	2.7	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. Neurochemical Research, 2015, 40, 1283-1293.	3.3	23

#	Article	IF	CITATIONS
55	Cocoa beans improve mitochondrial biogenesis via PPARγ/PGC1α dependent signalling pathway in MPP <sup>+</sup> intoxicated human neuroblastoma cells (SH-SY5Y). Nutritional Neuroscience, 2020, 23, 471-480.	3.1	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. Chemico-Biological Interactions, 2014, 220, 149-157.	4.0	19
57	Low Molecular Weight Sulfated Chitosan: Neuroprotective Effect on Rotenone-Induced In Vitro Parkinson's Disease. Neurotoxicity Research, 2019, 35, 505-515.	2.7	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.	2.3	16
59	Telmisartan Ameliorates Astroglial and Dopaminergic Functions in a Mouse Model of Chronic Parkinsonism. Neurotoxicity Research, 2018, 34, 597-612.	2.7	15
60	Agaricus blazeiextract attenuates rotenone-induced apoptosis through its mitochondrial protective and antioxidant properties in SH-SY5Y neuroblastoma cells. Nutritional Neuroscience, 2018, 21, 97-107.	3.1	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.	2.1	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.	0.9	10
63	<i>Agaricus blazei</i> 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.	3.1	10
64	Dietary Supplements/Antioxidants: Impact on Redox Status in Brain Diseases. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-2.	4.0	9
65	Protective effect of i Zizyphus spinachristi i on MPP -induced oxidative stress. Frontiers in Bioscience - Scholar, 2018, 10, 285-299.	2.1	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.	0.8	8
68	Metabolic normalization of ?-ketoglutarate against N-nitrosodiethylamine-induced hepatocarcinogenesis in rats. Fundamental and Clinical Pharmacology, 2006, 20, 477-480.	1.9	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.	0.9	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.	1.2	6
71	Role of Plant Polyphenols in Alzheimer's Disease. Advances in Neurobiology, 2016, 12, 153-171.	1.8	6
72	Natural Products and Their Therapeutic Effect on Autism Spectrum Disorder. Advances in Neurobiology, 2020, 24, 601-614.	1.8	6

#	Article	IF	CITATIONS
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.	2.7	2
75	Role of biological clocks in cancer processes and chronotherapy. Biological Rhythm Research, 2010, 41, 391-402.	0.9	1
76	Influence of S-allyl cysteine on biochemical circadian rhythms in young and aged rats. Biological Rhythm Research, 2011, 42, 155-162.	0.9	1
77	Bioactive Metabolites from Marine Ascidians: Future Treatment for Autism Spectrum Disorder. Advances in Neurobiology, 2020, 24, 661-678.	1.8	1
78	Effect of figs fruits extracts on rotenoneâ€induced Parkinson's diseaseâ€like cytotoxicity in SHâ€SY5Y cells. FASEB Journal, 2019, 33, 501.9.	0.5	0