

Arunachalam Muthuraman

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,422
citations

394286

19
h-index

345118

36
g-index

63
all docs

63
docs citations

63
times ranked

2026
citing authors

#	ARTICLE	IF	CITATIONS
1	Animal models of acute renal failure. <i>Pharmacological Reports</i> , 2012, 64, 31-44.	1.5	196
2	Ameliorative effects of amiloride and pralidoxime in chronic constriction injury and vincristine induced painful neuropathy in rats. <i>European Journal of Pharmacology</i> , 2008, 587, 104-111.	1.7	102
3	Therapeutic evaluation of solid lipid nanoparticle of quercetin in pentylenetetrazole induced cognitive impairment of zebrafish. <i>Life Sciences</i> , 2018, 199, 80-87.	2.0	75
4	Protective effect of <i>Acorus calamus</i> L. in rat model of vincristine induced painful neuropathy: An evidence of anti-inflammatory and anti-oxidative activity. <i>Food and Chemical Toxicology</i> , 2011, 49, 2557-2563.	1.8	74
5	Attenuating effect of <i>Acorus calamus</i> extract in chronic constriction injury induced neuropathic pain in rats: an evidence of anti-oxidative, anti-inflammatory, neuroprotective and calcium inhibitory effects. <i>BMC Complementary and Alternative Medicine</i> , 2011, 11, 24.	3.7	73
6	Ameliorative effects of <i>Ocimum sanctum</i> in sciatic nerve transection-induced neuropathy in rats. <i>Journal of Ethnopharmacology</i> , 2008, 120, 56-62.	2.0	72
7	The antiinflammatory potential of phenolic compounds from <i>Emblica officinalis</i> L. in rat. <i>Inflammopharmacology</i> , 2011, 19, 327-334.	1.9	64
8	The Implications of Angiotensin-Converting Enzymes and Their Modulators in Neurodegenerative Disorders: Current and Future Perspectives. <i>ACS Chemical Neuroscience</i> , 2015, 6, 508-521.	1.7	48
9	Neuroprotective effect of saponin rich extract of <i>Acorus calamus</i> L. in rat model of chronic constriction injury (CCI) of sciatic nerve-induced neuropathic pain. <i>Journal of Ethnopharmacology</i> , 2012, 142, 723-731.	2.0	44
10	Attenuating effect of hydroalcoholic extract of <i>Acorus calamus</i> in vincristine-induced painful neuropathy in rats. <i>Journal of Natural Medicines</i> , 2011, 65, 480-487.	1.1	40
11	Development of animal model for vasculatic neuropathy: Induction by ischemic-reperfusion in the rat femoral artery. <i>Journal of Neuroscience Methods</i> , 2010, 186, 215-221.	1.3	38
12	Therapeutic evaluation of rutin in two-kidney one-clip model of renovascular hypertension in rat. <i>Life Sciences</i> , 2016, 150, 89-94.	2.0	37
13	Ameliorative effect of gallic acid in paclitaxel-induced neuropathic pain in mice. <i>Toxicology Reports</i> , 2019, 6, 505-513.	1.6	34
14	Antisecretory, antioxidative and antiapoptotic effects of montelukast on pyloric ligation and water immersion stress induced peptic ulcer in rat. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010, 83, 55-60.	1.0	33
15	Antioxidant, anti-inflammatory and analgesic potential of the <i>Citrus decumana</i> L. peel extract. <i>Inflammopharmacology</i> , 2009, 17, 267-274.	1.9	31
16	Effect of hydroalcoholic extract of <i>Acorus calamus</i> on tibial and sural nerve transection-induced painful neuropathy in rats. <i>Journal of Natural Medicines</i> , 2011, 65, 282-292.	1.1	26
17	Neuroprotective effect of gadolinium: a stretch-activated calcium channel blocker in mouse model of ischemia-reperfusion injury. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2013, 386, 255-264.	1.4	25
18	Pharmacologic evidence for role of endothelial nitric oxide synthase in neuroprotective mechanism of ischemic postconditioning in mice. <i>Journal of Surgical Research</i> , 2014, 188, 349-360.	0.8	23

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19	Drug therapy of neuropathic pain: current developments and future perspectives. <i>Current Drug Targets</i> , 2014, 15, 210-53.	1.0	23
20	Lower vertebrate and invertebrate models of Alzheimer's disease – A review. <i>European Journal of Pharmacology</i> , 2017, 815, 312-323.	1.7	21
21	In-vitro evaluation of bioactive compounds, anti-oxidant, lipid peroxidation and lipoxygenase inhibitory potential of Citrus karna L. peel extract. <i>Journal of Food Science and Technology</i> , 2014, 51, 67-74.	1.4	20
22	Ameliorative potential of <i>Butea monosperma</i> on chronic constriction injury of sciatic nerve induced neuropathic pain in rats. <i>Anais Da Academia Brasileira De Ciencias</i> , 2012, 84, 1091-1104.	0.3	18
23	Antinociceptive effect of <i>Butea monosperma</i> on vincristine-induced neuropathic pain model in rats. <i>Toxicology and Industrial Health</i> , 2013, 29, 3-13.	0.6	18
24	Pharmacological evaluation of tacrolimus (FK-506) on ischemia reperfusion induced vasculatic neuropathic pain in rats. <i>Journal of Brachial Plexus and Peripheral Nerve Injury</i> , 2014, 05, e64-e74.	1.0	18
25	Ameliorative potential of angiotensin-converting enzyme inhibitor (ramipril) on chronic constriction injury of sciatic nerve induced neuropathic pain in mice. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2015, 16, 103-112.	1.0	17
26	Acute and sub-acute oral toxicity profile of <i>Acorus calamus</i> (Sweet flag) in rodents. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, S1017-S1023.	0.5	16
27	Ameliorative potential of montelukast on ischemia–reperfusion injury induced vasculitic neuropathic pain in rat. <i>Life Sciences</i> , 2012, 90, 755-762.	2.0	16
28	Reno-protective Role of Flunarizine (Mitochondrial Permeability Transition Pore Inactivator) against Gentamicin Induced Nephrotoxicity in Rats. <i>Yakugaku Zasshi</i> , 2011, 131, 437-443.	0.0	15
29	Ameliorative effect of <i>Vernonia cinerea</i> in vincristine-induced painful neuropathy in rats. <i>Toxicology and Industrial Health</i> , 2014, 30, 794-805.	0.6	14
30	Exploring the Potential of Flunarizine for Cisplatin-Induced Painful Uremic Neuropathy in Rats. <i>International Neurourology Journal</i> , 2011, 15, 127-134.	0.5	14
31	Curcumin prevents cigarette smoke extract induced cognitive impairment. <i>Frontiers in Bioscience - Elite</i> , 2019, 11, 109-120.	0.9	12
32	Mitochondrial Dependent Apoptosis: Ameliorative Effect of Flunarizine on Ischemia–Reperfusion of Celiac Artery-Induced Gastric Lesions in the Rat. <i>Digestive Diseases and Sciences</i> , 2011, 56, 2244-2251.	1.1	11
33	Activity of Tacrolimus: An Immunosuppressant, in Pyloric Ligation Induced Peptic Ulcer in Rat. <i>Yakugaku Zasshi</i> , 2009, 129, 1523-1528.	0.0	10
34	Ameliorative effect of flunarizine in cisplatin-induced acute renal failure via mitochondrial permeability transition pore inactivation in rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 383, 57-64.	1.4	10
35	Ameliorative potential of <i>Vernonia cinerea</i> on chronic constriction injury of sciatic nerve induced neuropathic pain in rats. <i>Anais Da Academia Brasileira De Ciencias</i> , 2014, 86, 1435-1450.	0.3	10
36	Investigation of the role of non-selective calcium channel blocker (flunarizine) on cerebral ischemic–reperfusion associated cognitive dysfunction in aged mice. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 131, 26-32.	1.3	10

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37	Investigation of therapeutic potential and molecular mechanism of vitamin P and digoxin in I/R-induced myocardial infarction in rat. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 565-574.	1.4	10
38	Pharmacological evaluation of methanolic leaf extract of <i>Swietenia mahagoni</i> on acrylamide-induced neuropathic pain in rats. <i>Toxicology and Industrial Health</i> , 2015, 31, 1185-1194.	0.6	10
39	Renin-Angiotensin-Aldosterone System: A Current Drug Target for the Management of Neuropathic Pain. <i>Current Drug Targets</i> , 2016, 17, 178-195.	1.0	10
40	Role of 7,8-dimethoxycoumarin in anti-secretory and anti-inflammatory action on pyloric ligation-induced gastritis in rats. <i>Journal of Asian Natural Products Research</i> , 2010, 12, 593-599.	0.7	8
41	Investigating the role of endogenous opioids and K _{ATP} channels in glycerol-induced acute renal failure. <i>Fundamental and Clinical Pharmacology</i> , 2012, 26, 347-355.	1.0	7
42	Ischemic-reperfusion of unilateral external iliac artery in rat: A new model for vasculitic femoral neuropathy. <i>Neuroscience Letters</i> , 2016, 628, 10-16.	1.0	7
43	Antimicrobial Nanostructures for Neurodegenerative Infections. , 2017, , 139-167.		7
44	Role of nanoparticles in bioimaging, diagnosis and treatment of cancer disorder. , 2018, , 529-562.		7
45	Preventative effects of alpha-naphtho flavone in vascular dementia. <i>Frontiers in Bioscience - Elite</i> , 2020, 12, 79-94.	0.9	7
46	Role of ambrisentan (selective endothelin-A receptor antagonist) on cigarette smoke exposure induced cognitive impairment in <i>Danio rerio</i> . <i>Life Sciences</i> , 2019, 222, 133-139.	2.0	6
47	Therapeutic potential of 7,8-dimethoxycoumarin on cisplatin- and ischemia/reperfusion injury-induced acute renal failure in rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2012, 385, 739-748.	1.4	5
48	Ameliorative potential of vitamin P and digoxin in ischemic reperfusion induced renal injury using the Langendorff apparatus. <i>Life Sciences</i> , 2015, 124, 75-80.	2.0	4
49	Role of Lipid Peroxidation Process in Neurodegenerative Disorders. , 0, , .		4
50	Quantitative Structure-Activity Relationship (QSAR) Studies for the Inhibition of MAOs. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2020, 23, 887-897.	0.6	4
51	Physiological and Pathophysiological Role of Cysteine Metabolism in Human Metabolic Syndrome. <i>Drug Metabolism Letters</i> , 2021, 14, 177-192.	0.5	4
52	Current Perspectives of Healthy Mitochondrial Function for Healthy Neurons. <i>Current Drug Targets</i> , 2021, 22, 1688-1703.	1.0	3
53	Computer-Aided Drug Discovery (CADD) Approaches for the Management of Neuropathic Pain. <i>Current Topics in Medicinal Chemistry</i> , 2021, 21, 2856-2868.	1.0	3
54	The current perspectives of nanoparticles in cellular and organ-specific drug targeting in biological system. , 2018, , 105-154.		2

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55	Erdosteine Therapy for Renal Failure: Current Perspectives. Nephro-Urology Monthly, 2012, 4, 587-588.	0.0	2
56	Synthesis and evaluation of substituted 5-(3-chloro-2-oxo-4-phenylazetidin-1-ylamino)pyrimidine-2,4,6(1H,3H,5H)-triones against pentylenetetrazole-induced convulsant in mice. Medicinal Chemistry Research, 2012, 21, 2300-2306.	1.1	1
57	Recent Advance of Enzyme Targets for the Management of Vascular Dementia. , 0, , .		1
58	Current trends in site and target specific delivery of nanomedicine for gene therapy. , 2019, , 73-112.		1
59	Therapeutic applications of transdermal microneedles. Frontiers in Bioscience - Elite, 2021, 13, 158.	0.9	0
60	Ameliorative Effects of Allium sativum in Pyloric Ligation Induced Peptic Ulcer in Rat. Pharmacologia, 2014, 5, 256-262.	0.3	0
61	Traditional therapies involving nutrition for the management of COVID-19. Coronaviruses, 2022, 03, .	0.2	0
62	Overview of SARS-CoV-2 and possible targets for the management of COVID-19 infections. Coronaviruses, 2022, 03, .	0.2	0