

# Shibu Marthandam Asokan

## List of Publications by Year in descending order

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83  
papers

1,662  
citations

331538

21  
h-index

377752

34  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetramethylpyrazine reverses high-glucose induced hypoxic effects by negatively regulating HIF-1 $\alpha$ induced BNIP3 expression to ameliorate H9c2 cardiomyoblast apoptosis. Nutrition and Metabolism, 2020, 17, 12.	1.3	88
2	Pharmacological benefits of neferine - A comprehensive review. Life Sciences, 2018, 199, 60-70.	2.0	75
3	17 $\beta$ -Estradiol and/or Estrogen Receptor $\alpha$ 2 Attenuate the Autophagic and Apoptotic Effects Induced by Prolonged Hypoxia Through HIF-1 $\alpha$ -Mediated BNIP3 and IGFBP-3 Signaling Blockage. Cellular Physiology and Biochemistry, 2015, 36, 274-284.	1.1	64
4	Diallyl trisulfide protects against high glucose-induced cardiac apoptosis by stimulating the production of cystathionine gamma-lyase-derived hydrogen sulfide. International Journal of Cardiology, 2015, 195, 300-310.	0.8	62
5	Purple rice anthocyanin extract protects cardiac function in STZ-induced diabetes rat hearts by inhibiting cardiac hypertrophy and fibrosis. Journal of Nutritional Biochemistry, 2016, 31, 98-105.	1.9	57
6	Exercise training augments Sirt1-signaling and attenuates cardiac inflammation in D-galactose induced-aging rats. Aging, 2018, 10, 4166-4174.	1.4	56
7	Study on the Anthraquinones Separated from the Cultivation of <i>Trichoderma harzianum</i> Strain Th-R16 and Their Biological Activity. Journal of Agricultural and Food Chemistry, 2009, 57, 7288-7292.	2.4	47
8	Prostaglandin E2-Induced COX-2 Expressions via EP2 and EP4 Signaling Pathways in Human LoVo Colon Cancer Cells. International Journal of Molecular Sciences, 2017, 18, 1132.	1.8	47
9	Protective effect of Coenzyme Q10 On doxorubicin-induced cardiomyopathy of rat hearts. Environmental Toxicology, 2017, 32, 679-689.	2.1	45
10	Hypoxia suppresses myocardial survival pathway through HIF-1 $\alpha$ -IGFBP-3-dependent signaling and enhances cardiomyocyte autophagic and apoptotic effects mainly via FoxO3a-induced BNIP3 expression. Growth Factors, 2016, 34, 73-86.	0.5	42
11	Oolong tea prevents cardiomyocyte loss against hypoxia by attenuating p38/JNK mediated hypertrophy and enhancing IGF1R, Akt, and Bad <sup>ser136</sup> activity and by fortifying NRF2 antioxidation system. Environmental Toxicology, 2018, 33, 220-233.	2.1	42
12	Oral <i>Lactobacillus reuteri</i> GMN-32 treatment reduces blood glucose concentrations and promotes cardiac function in rats with streptozotocin-induced diabetes mellitus. British Journal of Nutrition, 2014, 111, 598-605.	1.2	37
13	Andrographis paniculata extract attenuates pathological cardiac hypertrophy and apoptosis in high-fat diet fed mice. Journal of Ethnopharmacology, 2016, 192, 170-177.	2.0	37
14	Protective effect of Fisetin against angiotensin II-induced apoptosis by activation of IGF-IR-PI3K-Akt signaling in H9c2 cells and spontaneous hypertension rats. Phytomedicine, 2019, 57, 1-8.	2.3	32
15	Purification and Characterization of Novel Glucanases from <i>Trichoderma harzianum</i> ETS 323. Journal of Agricultural and Food Chemistry, 2010, 58, 10309-10314.	2.4	30
16	Bioactive Peptide Improves Diet-Induced Hepatic Fat Deposition and Hepatocyte Proinflammatory Response in SAMP8 Ageing Mice. Cellular Physiology and Biochemistry, 2018, 48, 1942-1952.	1.1	30
17	Antidiabetic Effects of a Short Peptide of Potato Protein Hydrolysate in STZ-Induced Diabetic Mice. Nutrients, 2019, 11, 779.	1.7	30
18	ZAK induces cardiomyocyte hypertrophy and brain natriuretic peptide expression via p38/JNK signaling and GATA4/c-Jun transcriptional factor activation. Molecular and Cellular Biochemistry, 2015, 405, 1-9.	1.4	29

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19	Cellular apoptosis and cardiac dysfunction in STZ-induced diabetic rats attenuated by anthocyanins via activation of IGF1R/PI3K/Akt survival signaling. <i>Environmental Toxicology</i> , 2017, 32, 2471-2480.	2.1	28
20	Estrogen and/or Estrogen Receptor $\beta$ Inhibits BNIP3-Induced Apoptosis and Autophagy in H9c2 Cardiomyoblast Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1298.	1.8	25
21	Cryptotanshinone (Dsh003) from <i>Salvia miltiorrhiza</i> Bunge inhibits prostaglandin E2-induced survival and invasion effects in HA22T hepatocellular carcinoma cells. <i>Environmental Toxicology</i> , 2018, 33, 1254-1260.	2.1	24
22	Structure Based Design of		

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37	Lumbrokinase from earthworm extract ameliorates second-hand smoke-induced cardiac fibrosis. <i>Environmental Toxicology</i> , 2015, 30, 1216-1225.	2.1	17
38	E2/ER $\beta$ Enhances Calcineurin Protein Degradation and PI3K/Akt/MDM2 Signal Transduction to Inhibit ISO-Induced Myocardial Cell Apoptosis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 892.	1.8	17
39	Platycodin D reverses histone deacetylase inhibitor resistance in hepatocellular carcinoma cells by repressing ERK1/2-mediated cofilin-1 phosphorylation. <i>Phytomedicine</i> , 2021, 82, 153442.	2.3	17
40	A novel dipeptide from potato protein hydrolysate augments the effects of exercise training against high-fat diet-induced damages in senescence-accelerated mouse-prone 8 by boosting pAMPK / SIRT1/ PGC-1 $\alpha$ / pFOXO3 pathway. <i>Aging</i> , 2020, 12, 7334-7349.	1.4	17
41	<i>Eriobotrya japonica</i> ameliorates cardiac hypertrophy in H9c2 cardiomyoblast and in spontaneously hypertensive rats. <i>Environmental Toxicology</i> , 2018, 33, 1113-1122.	2.1	16
42	Effects of phytochemicals on cellular signaling: reviewing their recent usage approaches. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 3522-3546.	5.4	16
43	Bioactive flavone fisetin attenuates hypertension associated cardiac hypertrophy in H9c2 cells and in spontaneously hypertension rats. <i>Journal of Functional Foods</i> , 2019, 52, 212-218.	1.6	14
44	Adipose derived mesenchymal stem cells along with <i>Alpinia oxyphylla</i> extract alleviate mitochondria-mediated cardiac apoptosis in aging models and cardiac function in aging rats. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113297.	2.0	14
45	Leech extract: A candidate cardioprotective against hypertension-induced cardiac hypertrophy and fibrosis. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113346.	2.0	14
46	E3 ligase activity of Carboxyl terminus of Hsc70 interacting protein (CHIP) in Wharton's jelly derived mesenchymal stem cells improves their persistence under hyperglycemic stress and promotes the prophylactic effects against diabetic cardiac damages. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10234.	3.9	14
47	<i>Trichoderma harzianum</i> ETS 323-Mediated Resistance in <i>Brassica oleracea</i> var. <i>capitata</i> to <i>Rhizoctonia solani</i> Involves the Novel Expression of a Glutathione S-Transferase and a Deoxycytidine Deaminase. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10723-10732.	2.4	13
48	E2/ER $\beta$ inhibit ISO-induced cardiac cellular hypertrophy by suppressing Ca <sup>2+</sup> -calcineurin signaling. <i>PLoS ONE</i> , 2017, 12, e0184153.	1.1	13
49	Exercise training restores IGF1R survival signaling in d-galactose induced-aging rats to suppress cardiac apoptosis. <i>Journal of Advanced Research</i> , 2021, 28, 35-41.	4.4	13
50	<i>Citrus medica</i> var. <i>sarcodactylis</i> (Foshou) Activates Fibroblast Growth Factor-2 Signaling to Induce Migration of RSC96 Schwann Cells. <i>The American Journal of Chinese Medicine</i> , 2014, 42, 443-452.	1.5	12
51	Anti-hypertrophic and anti-apoptotic effects of short peptides of potato protein hydrolysate against hyperglycemic condition in cardiomyoblast cells. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 1667-1673.	2.5	12
52	Novel anti-aging herbal formulation Jing Si displays pleiotropic effects against aging associated disorders. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112427.	2.5	12
53	Short Tetrapeptide from soy protein hydrolysate attenuates hyperglycemia associated damages in H9c2 cells and ICR mice. <i>Journal of Food Biochemistry</i> , 2018, 42, e12638.	1.2	11
54	<i>Zanthoxylum avicennae</i> extract enhances GSK-3 $\beta$ to attenuate $\beta$ -catenin via phosphatase 2A to block metastatic effects of HA22T cells and hepatocellular carcinoma xenografted nude mice. <i>Environmental Toxicology</i> , 2017, 32, 2133-2143.	2.1	10

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55	ER $\beta$ targets ZAK and attenuates cellular hypertrophy via SUMO1 modification in H9c2 cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 7855-7864.	1.2	10
56	Andrographolide mitigates cardiac apoptosis to provide cardioprotection in high-fat diet-induced obese mice. <i>Environmental Toxicology</i> , 2020, 35, 707-713.	2.1	10
57	Mushrooms: A Pandora Box of Cardioprotective Phytochemicals. <i>Medicinal and Aromatic Plants of the World</i> , 2017, , 337-362.	0.1	9
58	A minireview of E4BP4/NFIL3 in heart failure. <i>Journal of Cellular Physiology</i> , 2018, 233, 8458-8466.	2.0	9
59	Pheretima aspergillum extract attenuates high-Cl <sup>-</sup> induced mitochondrial injury and pro-fibrotic events in cardiomyoblast cells. <i>Environmental Toxicology</i> , 2019, 34, 921-927.	2.1	9
60	Alpinate Oxyphyllae extracts enhance the longevity and homing of mesenchymal stem cells and augment their protection against senescence in H9c2 cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 12042-12050.	2.0	9
61	Nerolidol improves cardiac function in spontaneously hypertensive rats by inhibiting cardiac inflammation and remodelling associated TLR4/ NF- $\kappa$ B signalling cascade. <i>Food and Chemical Toxicology</i> , 2021, 147, 111837.	1.8	9
62	Anti-Fatigue and Exercise Performance Improvement Effect of Glossogyne tenuifolia Extract in Mice. <i>Nutrients</i> , 2022, 14, 1011.	1.7	9
63	E4BP4 inhibits AngII-induced apoptosis in H9c2 cardiomyoblasts by activating the PI3K-Akt pathway and promoting calcium uptake. <i>Experimental Cell Research</i> , 2018, 363, 227-234.	1.2	8
64	Regulating Inflammation Associated Ferroptosis - A Treatment Strategy for Parkinson Disease. <i>Current Medicinal Chemistry</i> , 2021, 28, 6895-6914.	1.2	8
65	Small Molecule Compound Nerolidol attenuates Hypertension induced hypertrophy in spontaneously hypertensive rats through modulation of Mel-18-IGF-IIR signalling. <i>Phytomedicine</i> , 2021, 84, 153450.	2.3	8
66	CHIP-overexpressing Wharton's jelly-derived mesenchymal stem cells attenuate hyperglycemia-induced oxidative stress-mediated kidney injuries in diabetic rats. <i>Free Radical Biology and Medicine</i> , 2021, 173, 70-80.	1.3	8
67	Isoliquiritigenin ameliorates advanced glycation end-products toxicity on renal proximal tubular epithelial cells. <i>Environmental Toxicology</i> , 2022, 37, 2096-2102.	2.1	7
68	Taiwanin C selectively inhibits arecoline and 4NQO-induced oral cancer cell proliferation via ERK1/2 inactivation. <i>Environmental Toxicology</i> , 2017, 32, 62-69.	2.1	6
69	E2/ER $\beta$ Inhibits PPAR $\alpha$ to Regulate Cell-Proliferation and Enhance Apoptosis in Hep3B-Hepatocellular Carcinoma. <i>Pathology and Oncology Research</i> , 2017, 23, 477-485.	0.9	6
70	Hepato-protective effects of Glossogyne tenuifolia in Streptozotocin-nicotinamide-induced diabetic rats on high fat diet. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 117.	3.7	6
71	D-galactose-induced toxicity associated senescence mitigated by alpinate oxyphyllae fructus fortified adipose-derived mesenchymal stem cells. <i>Environmental Toxicology</i> , 2021, 36, 86-94.	2.1	6
72	Cardioprotective effects of transplanted adipose-derived stem cells under Ang II stress with Danggui administration augments cardiac function through upregulation of insulin-like growth factor 1 receptor in late-stage hypertension rats. <i>Environmental Toxicology</i> , 2021, 36, 1466-1475.	2.1	6

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73	miR-145-5p targets paxillin to attenuate angiotensin II-induced pathological cardiac hypertrophy via downregulation of Rac 1, pJNK, p-c-Jun, NFATc3, ANP and by Sirt-1 upregulation. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 3253-3260.	1.4	6
74	Protein hydrolysate from potato confers hepatic-protection in hamsters against high fat diet induced apoptosis and fibrosis by suppressing Caspase-3 and MMP2/9 and by enhancing Akt-survival pathway. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 283.	3.7	5
75	Taiwanin C elicits apoptosis in arecoline and 4-nitroquinoline-1-oxide-induced oral squamous cell carcinoma cells and hinders proliferation via epidermal growth factor receptor/PI3K suppression. <i>Environmental Toxicology</i> , 2019, 34, 760-767.	2.1	5
76	Inhibition of cell death-inducing p53 target 1 through miR-210-3p overexpression attenuates reactive oxygen species and apoptosis in rat adipose-derived stem cells challenged with Angiotensin II. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 347-354.	1.0	5
77	Leu <sup>27</sup> IGF <sup>1</sup> -induced hypertrophy in H9c2 cardiomyoblasts is ameliorated by saffron by regulation of calcineurin/NFAT and CaMKII $\beta$ signaling. <i>Environmental Toxicology</i> , 2021, 36, 2475-2483.	2.1	4
78	Selective Activation of ZAK $\beta$ Expression by 3-Hydroxy-2-Phenylchromone Inhibits Human Osteosarcoma Cells and Triggers Apoptosis via JNK Activation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3366.	1.8	3
79	Activation of IGF-I Survival Signaling and Its Compensative Inhibition of the Cardiac Apoptosis on Carotid Arteries Balloon-Injured Rat Hearts. <i>Chinese Journal of Physiology</i> , 2017, 60, 166-173.	0.4	2
80	Anti-apoptotic effects of diosgenin on ovariectomized hearts. <i>Steroids</i> , 2022, 179, 108980.	0.8	2
81	Protective effects of CHIP overexpression and Wharton's jelly mesenchymal-derived stem cell treatment against streptozotocin-induced neurotoxicity in rats. <i>Environmental Toxicology</i> , 2022, , .	2.1	2
82	Oral Lactobacillus reuteri GMN-32 treatment reduces blood glucose concentrations and promotes cardiac function in rats with streptozotocin-induced diabetes mellitus – RETRACTION. <i>British Journal of Nutrition</i> , 2014, 111, 1712-1712.	1.2	1
83	Characterization of a Novel Resistance-Related Deoxycytidine Deaminase from <i>Brassica oleracea</i> var. <i>capitata</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1796-1801.	2.4	1