

Shibu Marthandam Asokan

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

1,662
citations

331538

21
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377752

34
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docs citations

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times ranked

2101
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | Anti-apoptotic effects of diosgenin on ovariectomized hearts. <i>Steroids</i> , 2022, 179, 108980. | 0.8 | 2 |
| 3 | Anti-Fatigue and Exercise Performance Improvement Effect of <i>Glossogyne tenuifolia</i> Extract in Mice. <i>Nutrients</i> , 2022, 14, 1011. | 1.7 | 9 |
| 4 | Protective effects of CHIP overexpression and Wharton's jelly mesenchymalâ€derived stem cell treatment against streptozotocinâ€induced neurotoxicity in rats. <i>Environmental Toxicology</i> , 2022, , . | 2.1 | 2 |
| 5 | Isoliquiritigenin ameliorates advanced glycation endâ€products toxicity on renal proximal tubular epithelial cells. <i>Environmental Toxicology</i> , 2022, 37, 2096-2102. | 2.1 | 7 |
| 6 | 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 |
| 7 | 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 |
| 8 | Nerolidol improves cardiac function in spontaneously hypertensive rats by inhibiting cardiac inflammation and remodelling associated TLR4/ NF- κ B signalling cascade. <i>Food and Chemical Toxicology</i> , 2021, 147, 111837. | 1.8 | 9 |
| 9 | Dâ€galactoseâ€induced toxicity associated senescence mitigated by alpinate oxyphyllae fructus fortified adiposeâ€derived mesenchymal stem cells. <i>Environmental Toxicology</i> , 2021, 36, 86-94. | 2.1 | 6 |
| 10 | Leech extract: A candidate cardioprotective against hypertension-induced cardiac hypertrophy and fibrosis. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113346. | 2.0 | 14 |
| 11 | Cardioprotective potential of amygdalin against angiotensin II induced cardiac hypertrophy, oxidative stress and inflammatory responses through modulation of Nrf2 and NF- κ B activation. <i>Environmental Toxicology</i> , 2021, 36, 926-934. | 2.1 | 23 |
| 12 | 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 |
| 13 | Cardioprotective effects of transplanted adiposeâ€derived stem cells under Ang II stress with Danggui administration augments cardiac function through upregulation of insulinâ€like growth factor 1 receptor in lateâ€stage hypertension rats. <i>Environmental Toxicology</i> , 2021, 36, 1466-1475. | 2.1 | 6 |
| 14 | 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 |
| 15 | Regulating Inflammation Associated Ferroptosis - A Treatment Strategy for Parkinson Disease. <i>Current Medicinal Chemistry</i> , 2021, 28, 6895-6914. | 1.2 | 8 |
| 16 | Small Molecule Compound Nerolidol attenuates Hypertension induced hypertrophy in spontaneously hypertensive rats through modulation of Mel-18-IGF-1R signalling. <i>Phytomedicine</i> , 2021, 84, 153450. | 2.3 | 8 |
| 17 | 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 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | ²⁷IGFâ€”induced hypertrophy in H9c2 cardiomyoblasts is ameliorated by saffron by regulation of calcineurin/NFAT and CaMKII' signaling. Environmental Toxicology, 2021, 36, 2475-2483. | 2.1 | 4 |
| 20 | Design, Synthesis, and Structureâ€”Activity Relationships of 1,2,3-Triazole Benzenesulfonamides as New Selective Leucine-Zipper and Sterile-Î± Motif Kinase (ZAK) Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 2114-2130. | 2.9 | 19 |
| 21 | Effects of phytochemicals on cellular signaling: reviewing their recent usage approaches. Critical Reviews in Food Science and Nutrition, 2020, 60, 3522-3546. | 5.4 | 16 |
| 22 | 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. Biochemical and Biophysical Research Communications, 2020, 532, 347-354. | 1.0 | 5 |
| 23 | Chemoresistance-Associated Silencing of miR-4454 Promotes Colorectal Cancer Aggression through the GNL3L and NF-Î±B Pathway. Cancers, 2020, 12, 1231. | 1.7 | 18 |
| 24 | Selective Activation of ZAK Î² Expression by 3-Hydroxy-2-Phenylchromone Inhibits Human Osteosarcoma Cells and Triggers Apoptosis via JNK Activation. International Journal of Molecular Sciences, 2020, 21, 3366. | 1.8 | 3 |
| 25 | Induction of Autophagy by Vasicinone Protects Neural Cells from Mitochondrial Dysfunction and Attenuates Paraquat-Mediated Parkinsonâ€™s Disease Associated Î±-Synuclein Levels. Nutrients, 2020, 12, 1707. | 1.7 | 20 |
| 26 | Andrographolide mitigates cardiac apoptosis to provide cardioâ€”protection in highâ€”fatâ€”dietâ€”induced obese mice. Environmental Toxicology, 2020, 35, 707-713. | 2.1 | 10 |
| 27 | Tetramethylpyrazine reverses high-glucose induced hypoxic effects by negatively regulating HIF-1Î± induced BNIP3 expression to ameliorate H9c2 cardiomyoblast apoptosis. Nutrition and Metabolism, 2020, 17, 12. | 1.3 | 88 |
| 28 | 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-1Î±/ pFOXO3 pathway. Aging, 2020, 12, 7334-7349. | 1.4 | 17 |
| 29 | 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. BMC Complementary and Alternative Medicine, 2019, 19, 283. | 3.7 | 5 |
| 30 | Hepato-protective effects of Glossogyne tenuifolia in Streptozotocin-nicotinamide-induced diabetic rats on high fat diet. BMC Complementary and Alternative Medicine, 2019, 19, 117. | 3.7 | 6 |
| 31 | Pheretima aspergillum extract attenuates highâ€”KClâ€”induced mitochondrial injury and proâ€”fibrotic events in cardiomyoblast cells. Environmental Toxicology, 2019, 34, 921-927. | 2.1 | 9 |
| 32 | Antidiabetic Effects of a Short Peptide of Potato Protein Hydrolysate in STZ-Induced Diabetic Mice. Nutrients, 2019, 11, 779. | 1.7 | 30 |
| 33 | Taiwanin C elicits apoptosis in arecoline and 4â€”nitroquinolineâ€”oxideâ€”induced oral squamous cell carcinoma cells and hinders proliferation via epidermal growth factor receptor/PI3K suppression. Environmental Toxicology, 2019, 34, 760-767. | 2.1 | 5 |
| 34 | ERK1/2 mediates the lipopolysaccharide-induced upregulation of FGF-2, uPA, MMP-2, MMP-9 and cellular migration in cardiac fibroblasts. Chemo-Biological Interactions, 2019, 306, 62-69. | 1.7 | 21 |
| 35 | Alpinate Oxyphyllae extracts enhance the longevity and homing of mesenchymal stem cells and augment their protection against senescence in H9c2 cells. Journal of Cellular Physiology, 2019, 234, 12042-12050. | 2.0 | 9 |
| 36 | Bioactive flavone fisetin attenuates hypertension associated cardiac hypertrophy in H9c2 cells and in spontaneously hypertension rats. Journal of Functional Foods, 2019, 52, 212-218. | 1.6 | 14 |

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|----|--|-----|-----------|
| 37 | Protective effect of Fisetin against angiotensin II-induced apoptosis by activation of IGF-IR-PI3K-Akt signaling in H9c2 cells and spontaneous hypertension rats. <i>Phytomedicine</i> , 2019, 57, 1-8. | 2.3 | 32 |
| 38 | Pharmacological benefits of neferine - A comprehensive review. <i>Life Sciences</i> , 2018, 199, 60-70. | 2.0 | 75 |
| 39 | Lipolysis-Stimulating Peptide from Soybean Protects Against High Fat Diet-Induced Apoptosis in Skeletal Muscles. <i>Journal of Medicinal Food</i> , 2018, 21, 225-232. | 0.8 | 18 |
| 40 | 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 |
| 41 | Oolong tea prevents cardiomyocyte loss against hypoxia by attenuating p38 ^{MAPK} mediated hypertrophy and enhancing p70 ^{S6} , pAkt, and pBad ^{ser136} activity and by fortifying NRF2 antioxidation system. <i>Environmental Toxicology</i> , 2018, 33, 220-233. | 2.1 | 42 |
| 42 | Cryptotanshinone (Dsh ⁰⁰³) from <i>Salvia miltiorrhiza Bunge</i> inhibits prostaglandin E ₂ -induced survival and invasion effects in HA22T hepatocellular carcinoma cells. <i>Environmental Toxicology</i> , 2018, 33, 1254-1260. | 2.1 | 24 |
| 43 | 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 |
| 44 | Short Tetrapeptide from soybean protein hydrolysate attenuates hyperglycemia associated damages in H9c2 cells and ICR mice. <i>Journal of Food Biochemistry</i> , 2018, 42, e12638. | 1.2 | 11 |
| 45 | A minireview of E4BP4/NFIL3 in heart failure. <i>Journal of Cellular Physiology</i> , 2018, 233, 8458-8466. | 2.0 | 9 |
| 46 | ERK2 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 |
| 47 | <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 |
| 48 | Estrogen and/or Estrogen Receptor α Inhibits BNIP3-Induced Apoptosis and Autophagy in H9c2 Cardiomyoblast Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1298. | 1.8 | 25 |
| 49 | Anti-Apoptosis and Anti-Fibrosis Effects of <i>Eriobotrya Japonica</i> in Spontaneously Hypertensive Rat Hearts. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1638. | 1.8 | 21 |
| 50 | Bioactive Peptide Improves Diet-Induced Hepatic Fat Deposition and Hepatocyte Proinflammatory Response in SAMP8 Ageing Mice. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 1942-1952. | 1.1 | 30 |
| 51 | Exercise training augments Sirt1-signaling and attenuates cardiac inflammation in D-galactose induced-aging rats. <i>Aging</i> , 2018, 10, 4166-4174. | 1.4 | 56 |
| 52 | 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 |
| 53 | Protective effect of Coenzyme Q10 On doxorubicin-induced cardiomyopathy of rat hearts. <i>Environmental Toxicology</i> , 2017, 32, 679-689. | 2.1 | 45 |

Structure Based Design of

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | <i>Zanthoxylum avicennae</i> extract enhances GSK β to attenuate β -catenin via phosphatase 2A to block metastatic effects of HA22T cells and hepatocellular carcinoma xenografted nude mice. Environmental Toxicology, 2017, 32, 2133-2143. | 2.1 | 10 |
| 56 | Cellular apoptosis and cardiac dysfunction in STZ-induced diabetic rats attenuated by anthocyanins via activation of IGF1R/PI3K/Akt survival signaling. Environmental Toxicology, 2017, 32, 2471-2480. | 2.1 | 28 |
| 57 | Mushrooms: A Pandora Box of Cardioprotective Phytochemicals. Medicinal and Aromatic Plants of the World, 2017, , 337-362. | 0.1 | 9 |
| 58 | E2/ER β Inhibits PPAR α to Regulate Cell-Proliferation and Enhance Apoptosis in Hep3B-Hepatocellular Carcinoma. Pathology and Oncology Research, 2017, 23, 477-485. | 0.9 | 6 |
| 59 | Taiwanin E inhibits cell migration in human LoVo colon cancer cells by suppressing MMP-2/9 expression via p38 MAPK pathway. Environmental Toxicology, 2017, 32, 2021-2031. | 2.1 | 20 |
| 60 | Down-regulation of β -catenin and the associated migration ability by Taiwanin C in arecoline and 4NQO-induced oral cancer cells via GSK β activation. Molecular Carcinogenesis, 2017, 56, 1055-1067. | 1.3 | 21 |
| 61 | Potential phytoestrogen alternatives exert cardio-protective mechanisms via estrogen | | |

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|----|---|-----|-----------|
| 73 | ZAK induces cardiomyocyte hypertrophy and brain natriuretic peptide expression via p38/JNK signaling and GATA4/c-Jun transcriptional factor activation. <i>Molecular and Cellular Biochemistry</i> , 2015, 405, 1-9. | 1.4 | 29 |
| 74 | 17 β -Estradiol and/or Estrogen Receptor β Attenuate the Autophagic and Apoptotic Effects Induced by Prolonged Hypoxia Through HIF-1 α -Mediated BNIP3 and IGFBP-3 Signaling Blockage. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 274-284. | 1.1 | 64 |
| 75 | Nerve Regeneration Potential of Protocatechuic Acid in RSC96 Schwann Cells by Induction of Cellular Proliferation and Migration through IGF-IR-PI3K-Akt Signaling. <i>Chinese Journal of Physiology</i> , 2015, 58, 412-419. | 0.4 | 21 |
| 76 | <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 |
| 77 | Lipolysis-stimulating peptide-VHVV ameliorates high fat diet induced hepatocyte apoptosis and fibrosis. <i>Journal of Functional Foods</i> , 2014, 11, 482-492. | 1.6 | 21 |
| 78 | Oral <i>Lactobacillus reuteri</i> GMN-32 treatment reduces blood glucose concentrations and promotes cardiac function in rats with streptozotocin-induced diabetes mellitus. <i>British Journal of Nutrition</i> , 2014, 111, 598-605. | 1.2 | 37 |
| 79 | Oral <i>Lactobacillus reuteri</i> 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 |
| 80 | 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 |
| 81 | <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 |
| 82 | Purification and Characterization of Novel Glucanases from <i>Trichoderma harzianum</i> ETS 323. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 10309-10314. | 2.4 | 30 |
| 83 | Study on the Anthraquinones Separated from the Cultivation of <i>Trichoderma harzianum</i> Strain Th-R16 and Their Biological Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 7288-7292. | 2.4 | 47 |