

Chinnasamy Thirunavukkarasu

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69

papers

2,158

citations

26

h-index

45

g-index

72

ext. papers

2,476

ext. citations

4.9

avg, IF

4.88

L-index

#	Paper	IF	Citations
69	Response of human islets to isolation stress and the effect of antioxidant treatment. <i>Diabetes</i> , 2004 , 53, 2559-68	0.9	225
68	Green synthesis and characterization of selenium nanoparticles and its augmented cytotoxicity with doxorubicin on cancer cells. <i>Bioprocess and Biosystems Engineering</i> , 2013 , 36, 1131-9	3.7	217
67	The extra cellular synthesis of gold and silver nanoparticles and their free radical scavenging and antibacterial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 102, 808-15	6	163
66	Mechanisms of endotoxin-induced NO, IL-6, and TNF-alpha production in activated rat hepatic stellate cells: role of p38 MAPK. <i>Hepatology</i> , 2006 , 44, 389-98	11.2	88
65	Augmenter of liver regeneration: an important intracellular survival factor for hepatocytes. <i>Journal of Hepatology</i> , 2008 , 48, 578-88	13.4	68
64	Protective effect of saffron (<i>Crocus sativus</i> L.) aqueous extract against genetic damage induced by anti-tumor agents in mice. <i>Human and Experimental Toxicology</i> , 2006 , 25, 79-84	3.4	64
63	In vitro studies on the selective cytotoxic effect of crocetin and quercetin. <i>Fitoterapia</i> 2000 , 71, 395-9	3.2	60
62	Crocetin, a dietary colorant, mitigates cyclophosphamide-induced organ toxicity by modulating antioxidant status and inflammatory cytokines. <i>Journal of Pharmacy and Pharmacology</i> , 2013 , 65, 604-14 ^{4.8}		58
61	Lactobacillus plantarum AS1 isolated from south Indian fermented food Kallappam suppress 1,2-dimethyl hydrazine (DMH)-induced colorectal cancer in male Wistar rats. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 166, 620-31	3.2	57
60	Quantification of microplastics using Nile Red in two bivalve species <i>Perna viridis</i> and <i>Meretrix meretrix</i> from three estuaries in Pondicherry, India and microplastic uptake by local communities through bivalve diet. <i>Marine Pollution Bulletin</i> , 2020 , 153, 110982	6.7	51
59	Effect of selenium on N-nitrosodiethylamine-induced multistage hepatocarcinogenesis with reference to lipid peroxidation and enzymic antioxidants. <i>Cell Biochemistry and Function</i> , 2001 , 19, 27-35 ^{4.2}		50
58	Normal rat hepatic stellate cells respond to endotoxin in LBP-independent manner to produce inhibitor(s) of DNA synthesis in hepatocytes. <i>Journal of Cellular Physiology</i> , 2005 , 204, 654-65	7	49
57	Unconjugated Bilirubin exerts Pro-Apoptotic Effect on Platelets via p38-MAPK activation. <i>Scientific Reports</i> , 2015 , 5, 15045	4.9	48
56	Chemopreventive efficacy of selenium against N-nitrosodiethylamine-induced hepatoma in albino rats. <i>Cell Biochemistry and Function</i> , 2001 , 19, 265-71	4.2	44
55	Synthesis and biological evaluation of isoindoloisoquinolinone, pyroloisoquinolinone and benzoquinazolinone derivatives as poly(ADP-ribose) polymerase-1 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 488-98	3.4	42
54	Influence of sodium selenite on glycoprotein contents in normal and N-nitrosodiethylamine initiated and phenobarbital promoted rat liver tumors. <i>Pharmacological Research</i> , 2003 , 48, 167-73	10.2	40
53	Selenium nanoparticles synthesized in aqueous extract of <i>Allium sativum</i> perturbs the structural integrity of Calf thymus DNA through intercalation and groove binding. <i>Materials Science and Engineering C</i> , 2017 , 74, 597-608	8.3	39

52	Chemopreventive effect of piperine on mitochondrial TCA cycle and phase-I and glutathione-metabolizing enzymes in benzo(a)pyrene induced lung carcinogenesis in Swiss albino mice. <i>Molecular and Cellular Biochemistry</i> , 2005 , 271, 101-6	4.2	37
51	Attenuation of the cardiac inflammatory changes and lipid anomalies by (-)-epigallocatechin-gallate in cigarette smoke-exposed rats. <i>Molecular and Cellular Biochemistry</i> , 2011 , 354, 1-10	4.2	36
50	Spectroscopic and molecular docking studies on the interaction of troxerutin with DNA. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 122-9	7.9	35
49	p38-MAPK- and caspase-3-mediated superoxide-induced apoptosis of rat hepatic stellate cells: reversal by retinoic acid. <i>Journal of Cellular Physiology</i> , 2009 , 218, 157-66	7	35
48	Size Dependent Uptake and Hemolytic Effect of Zinc Oxide Nanoparticles on Erythrocytes and Biomedical Potential of ZnO-Ferulic acid Conjugates. <i>Scientific Reports</i> , 2017 , 7, 4203	4.9	34
47	Superoxide-induced apoptosis of activated rat hepatic stellate cells. <i>Journal of Hepatology</i> , 2004 , 41, 567-75	13.4	32
46	Sodium selenite, dietary micronutrient, prevents the lymphocyte DNA damage induced by N-nitrosodiethylamine and phenobarbital promoted experimental hepatocarcinogenesis. <i>Journal of Cellular Biochemistry</i> , 2003 , 88, 578-88	4.7	30
45	Preconditioning methods in the management of hepatic ischemia reperfusion- induced injury: Update on molecular and future perspectives. <i>Hepatology Research</i> , 2017 , 47, 31-48	5.1	28
44	Endothelin receptor antagonist TAK-044 arrests and reverses the development of carbon tetrachloride induced cirrhosis in rats. <i>Gut</i> , 2004 , 53, 1010-9	19.2	28
43	Neutrophil extracellular traps in acrolein promoted hepatic ischemia reperfusion injury: Therapeutic potential of NOX2 and p38MAPK inhibitors. <i>Journal of Cellular Physiology</i> , 2018 , 233, 3244-3261	7.2	25
42	Inhibition of hyaluronidase by N-acetyl cysteine and glutathione: role of thiol group in hyaluronan protection. <i>International Journal of Biological Macromolecules</i> , 2013 , 55, 39-46	7.9	25
41	TNF- β suppression by glutathione preconditioning attenuates hepatic ischemia reperfusion injury in young and aged rats. <i>Inflammation Research</i> , 2015 , 64, 71-81	7.2	24
40	(-)-Epigallocatechin-gallate (EGCG) stabilize the mitochondrial enzymes and inhibits the apoptosis in cigarette smoke-induced myocardial dysfunction in rats. <i>Molecular Biology Reports</i> , 2013 , 40, 6533-45	2.8	24
39	Influence of age on the free-radical scavenging ability of CeO ₂ and Au/CeO ₂ nanoparticles. <i>Journal of Materials Science</i> , 2015 , 50, 2522-2531	4.3	24
38	Extracellularly synthesized ZnO nanoparticles interact with DNA and augment gamma radiation induced DNA damage through reactive oxygen species. <i>RSC Advances</i> , 2015 , 5, 62067-62077	3.7	23
37	Anticancer potential of ZnO nanoparticle-ferulic acid conjugate on Huh-7 and HepG2 cells and diethyl nitrosamine induced hepatocellular cancer on Wistar albino rat. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 415-428	6	23
36	Prevalence and characteristics of microplastics present in the street dust collected from Chennai metropolitan city, India. <i>Chemosphere</i> , 2021 , 269, 128757	8.4	22
35	Troxerutin with copper generates oxidative stress in cancer cells: Its possible chemotherapeutic mechanism against hepatocellular carcinoma. <i>Journal of Cellular Physiology</i> , 2018 , 233, 1775-1790	7	20

34	Polyphenol contents and antioxidant activity of Brassica nigra (L.) Koch. leaf extract. <i>Natural Product Research</i> , 2012 , 26, 2208-10	2.3	20
33	Identification, quantification of bioactive constituents, evaluation of antioxidant and in vivo acute toxicity property from the methanol extract of Vernonia cinerea leaf extract. <i>Pharmaceutical Biology</i> , 2011 , 49, 1311-20	3.8	20
32	Synthesis and characterisation of arsenic nanoparticles and its interaction with DNA and cytotoxic potential on breast cancer cells. <i>Chemico-Biological Interactions</i> , 2018 , 295, 73-83	5	19
31	Dietary influence of selenium on the incidence of N-nitrosodiethylamine-induced hepatoma with reference to drug and glutathione metabolizing enzymes. <i>Cell Biochemistry and Function</i> , 2002 , 20, 347-56	4.2	16
30	Brassica nigra plays a remedy role in hepatic and renal damage. <i>Pharmaceutical Biology</i> , 2012 , 50, 1488-97	3.8	14
29	Sodium selenite modulates tumour marker indices in N-nitrosodiethylamine-initiated and phenobarbital-promoted rat liver carcinogenesis. <i>Cell Biochemistry and Function</i> , 2003 , 21, 147-53	4.2	14
28	Sodium selenite enhances glutathione peroxidase activity and DNA strand breaks in hepatoma induced by N-nitrosodiethylamine and promoted by phenobarbital. <i>Molecular and Cellular Biochemistry</i> , 2008 , 310, 129-39	4.2	13
27	Nutrient profile of porridge made from Eleusine coracana (L.) grains: effect of germination and fermentation. <i>Journal of Food Science and Technology</i> , 2015 , 52, 6024-30	3.3	12
26	Effect of troxerutin on 2-aminoanthracene and DNA interaction and its anti-mutagenic property. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 88, 325-334	7.5	11
25	Solanum torvum Swartz. fruit attenuates cadmium-induced liver and kidney damage through modulation of oxidative stress and glycosylation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 7919-29	5.1	11
24	Evaluation of antioxidant, radical scavenging activity and polyphenolics profile in Solanum torvum L. fruits. <i>Journal of Food Science</i> , 2012 , 77, C907-13	3.4	11
23	Stabilization of membrane bound enzyme profiles by sodium selenite in N-nitrosodiethylamine induced and phenobarbital promoted hepatocarcinogenesis in rats. <i>Biomedicine and Pharmacotherapy</i> , 2003 , 57, 117-23	7.5	11
22	Synthesis and characterization of novel bioactive azo compounds fused with benzothiazole and their versatile biological applications. <i>Journal of Molecular Structure</i> , 2021 , 1224, 129016	3.4	11
21	Isolation of hesperetin - A flavonoid from Cordia sebestena flower extract through antioxidant assay guided method and its antibacterial, anticancer effect on cervical cancer via in vitro and in silico molecular docking studies. <i>Journal of Molecular Structure</i> , 2020 , 1207, 127751	3.4	10
20	Effect of dietary selenite on N-nitrosodiethylamine-induced and phenobarbital promoted multistage hepatocarcinogenesis in rat: reflection in some minerals. <i>Biomedicine and Pharmacotherapy</i> , 2003 , 57, 416-21	7.5	9
19	Inhibitory Effect of Selenium on N-Nitrosodiethylamine and Phenobarbital-Promoted Rat Liver Carcinogenesis.. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2000 , 28, 69-80	3.1	9
18	Prevalence of microplastics in the sediments of Odisha beaches, southeastern coast of India. <i>Marine Pollution Bulletin</i> , 2021 , 167, 112265	6.7	9
17	Constitutive release of powerful antioxidant-scavenging activity by hepatic stellate cells: protection of hepatocytes from ischemia/reperfusion injury. <i>Liver Transplantation</i> , 2010 , 16, 1400-9	4.5	8

16	Protective role of vitamin E, 2-deoxy-D-glucose, and taurine on perchloroethylene induced alterations in ATPases. <i>Drug and Chemical Toxicology</i> , 2001 , 24, 429-37	2.3	8
15	Augmenter of liver regeneration enhances cell proliferation through the microRNA-26a/Akt/cyclinD1 pathway in hepatic cells. <i>Hepatology Research</i> , 2019 , 49, 1341-1352	5.1	7
14	Exploration of disulfiram dealings with calf thymus DNA using spectroscopic, electrochemical and molecular docking techniques. <i>Journal of Luminescence</i> , 2016 , 170, 255-261	3.8	6
13	Chemotherapeutic doses of arsenic trioxide delays hepatic regeneration by oxidative stress and hepatocyte apoptosis in partial hepatectomy rat. <i>Toxicology and Applied Pharmacology</i> , 2019 , 382, 114760	4.6	6
12	Antioxidant-associated chemoprevention by sodium selenite in N-nitrosodiethylamine-induced and phenobarbital-promoted hepatocarcinogenesis in rats. <i>Cell Biochemistry and Function</i> , 2004 , 22, 265-71	4.2	6
11	The inhibitory effect of sodium selenite on N-nitrosodiethylamine-induced and phenobarbital promoted liver tumourigenesis in rats based on the modulation of polyamine levels. <i>Molecular and Cellular Biochemistry</i> , 2005 , 280, 165-72	4.2	5
10	Arsenic trioxide, a cancer chemo drug hampers fibrotic liver regeneration by interrupting oxidative stress rekindling and stellate cell rejuvenation. <i>Journal of Cellular Physiology</i> , 2020 , 235, 1222-1234	7	5
9	Probing the interaction of troxerutin with transfer RNA by spectroscopic and molecular modeling. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 153, 137-44	6.7	4
8	Effect of sodium selenite on lipids and lipid-metabolizing enzymes in N-nitrosodiethylamine-induced hepatoma-bearing rats. <i>Journal of Trace Elements in Experimental Medicine</i> , 2003 , 16, 1-15		4
7	Molecular modeling of human alkaline sphingomyelinase. <i>Bioinformation</i> , 2011 , 6, 78-82	1.1	2
6	Nutrient mixture from germinated legumes: Enhanced medicinal value with herbs-attenuated liver cirrhosis. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13085	3.3	2
5	Curcuma longa and Trigonella foenum graecum-enriched nutrient mixture from germinated Macrotyloma uniflorum and Vigna radiate ameliorate nonalcoholic fatty liver diseases in rats. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13159	3.3	1
4	The prominence of potential biomarkers in the diagnosis and management of hepatocellular carcinoma: Current scenario and future anticipation.. <i>Journal of Cellular Biochemistry</i> , 2021 ,	4.7	1
3	Targeting molecular signal transduction pathways in hepatocellular carcinoma and its implications for cancer therapy. <i>Cell Biology International</i> , 2021 , 45, 2161-2177	4.5	1
2	Enhanced hepatocyte survival and anti-apoptosis via Akt by Diallyl trisulfide, augments hepatic regeneration through hydrogen sulfide in partially hepatectomized rats. <i>Phytomedicine Plus</i> , 2021 , 1, 100048		1
1	Phosphorylated abacavir analogue (ABC-1) has ameliorative action against Newcastle disease virus induced pathogenesis in chicken. <i>Biotechnology and Applied Biochemistry</i> , 2019 , 66, 977-989	2.8	