

Chinnasamy Thirunavukkarasu

List of Publications by Year in descending order

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71
papers

2,854
citations

147726

31
h-index

175177

52
g-index

72
all docs

72
docs citations

72
times ranked

4114
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis and characterization of selenium nanoparticles and its augmented cytotoxicity with doxorubicin on cancer cells. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1131-1139.	1.7	309
2	Response of Human Islets to Isolation Stress and the Effect of Antioxidant Treatment. <i>Diabetes</i> , 2004, 53, 2559-2568.	0.3	251
3	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, 808-815.	2.5	199
4	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.	2.3	112
5	Mechanisms of endotoxin-induced NO, IL-6, and TNF- α production in activated rat hepatic stellate cells: Role of p38 MAPK. <i>Hepatology</i> , 2006, 44, 389-398.	3.6	92
6	Prevalence and characteristics of microplastics present in the street dust collected from Chennai metropolitan city, India. <i>Chemosphere</i> , 2021, 269, 128757.	4.2	82
7	<i>Lactobacillus plantarum</i> 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, 620-631.	1.4	78
8	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.	1.1	76
9	Augmenter of liver regeneration: An important intracellular survival factor for hepatocytes. <i>Journal of Hepatology</i> , 2008, 48, 578-588.	1.8	76
10	Crocin, a dietary colorant mitigates cyclophosphamide-induced organ toxicity by modulating antioxidant status and inflammatory cytokines. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 604-614.	1.2	71
11	In vitro studies on the selective cytotoxic effect of crocetin and quercetin. <i>F\ddot{A}-toterap\ddot{A}-\ddot{A}ç</i> , 2000, 71, 395-399.	1.1	64
12	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, 654-665.	2.0	61
13	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.	3.8	60
14	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.	1.4	57
15	Unconjugated Bilirubin exerts Pro-Apoptotic Effect on Platelets via p38-MAPK activation. <i>Scientific Reports</i> , 2015, 5, 15045.	1.6	56
16	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, 488-498.	1.4	54
17	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.	1.6	50
18	Chemopreventive efficacy of selenium against N-nitrosodiethylamine-induced hepatoma in albino rats. <i>Cell Biochemistry and Function</i> , 2001, 19, 265-271.	1.4	49

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19	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, 101-106.	1.4	45
20	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, 167-173.	3.1	43
21	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, 157-166.	2.0	42
22	Attenuation of the cardiac inflammatory changes and lipid anomalies by (âˆ™)-epigallocatechin-gallate in cigarette smoke-exposed rats. <i>Molecular and Cellular Biochemistry</i> , 2011, 354, 1-10.	1.4	41
23	Spectroscopic and molecular docking studies on the interaction of troxerutin with DNA. <i>International Journal of Biological Macromolecules</i> , 2015, 78, 122-129.	3.6	40
24	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.	2.0	39
25	Superoxide-induced apoptosis of activated rat hepatic stellate cells. <i>Journal of Hepatology</i> , 2004, 41, 567-575.	1.8	36
26	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.	1.8	36
27	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.	1.7	35
28	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.	1.8	34
29	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, 578-588.	1.2	33
30	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.	1.7	33
31	Endothelin receptor antagonist TAK-044 arrests and reverses the development of carbon tetrachloride induced cirrhosis in rats. <i>Gut</i> , 2004, 53, 1010-1019.	6.1	31
32	(âˆ™)-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, 6533-6545.	1.0	31
33	Prevalence of microplastics in the sediments of Odisha beaches, southeastern coast of India. <i>Marine Pollution Bulletin</i> , 2021, 167, 112265.	2.3	31
34	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.	1.7	30
35	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.	1.7	29
36	Isolation of hesperetin - A flavonoid from <i>Cordia sebestena</i> flower extract through antioxidant assay guided method and its antibacterial, anticancer effect on cervical cancer via <i>in vitro</i> and <i>in silico</i> molecular docking studies. <i>Journal of Molecular Structure</i> , 2020, 1207, 127751.	1.8	28

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37	Identification, quantification of bioactive constituents, evaluation of antioxidant and <i>in vivo</i> acute toxicity property from the methanol extract of <i>Vernonia cinerea</i> leaf extract. <i>Pharmaceutical Biology</i> , 2011, 49, 1311-1320.	1.3	27
38	Polyphenol contents and antioxidant activity of <i>Brassica nigra</i> (L.) Koch. leaf extract. <i>Natural Product Research</i> , 2012, 26, 2208-2210.	1.0	27
39	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.	3.6	26
40	TNF- α suppression by glutathione preconditioning attenuates hepatic ischemia reperfusion injury in young and aged rats. <i>Inflammation Research</i> , 2015, 64, 71-81.	1.6	25
41	Troloxerutin 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.	2.0	25
42	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, 347-356.	1.4	22
43	<i>Brassica nigra</i> plays a remedy role in hepatic and renal damage. <i>Pharmaceutical Biology</i> , 2012, 50, 1488-1497.	1.3	21
44	Nutrient profile of porridge made from <i>Eleusine coracana</i> (L.) grains: effect of germination and fermentation. <i>Journal of Food Science and Technology</i> , 2015, 52, 6024-6030.	1.4	19
45	<i>Solanum torvum</i> 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, 7919-7929.	2.7	19
46	Sodium selenite modulates tumour marker indices in N-nitrosodiethylamine-initiated and phenobarbital-promoted rat liver carcinogenesis. <i>Cell Biochemistry and Function</i> , 2003, 21, 147-153.	1.4	17
47	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, 129-139.	1.4	15
48	Evaluation of Antioxidant, Radical Scavenging Activity and Polyphenolics Profile in <i>Solanum torvum</i> L. Fruits. <i>Journal of Food Science</i> , 2012, 77, C907-13.	1.5	14
49	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, 117-123.	2.5	13
50	Constitutive release of powerful antioxidant-scavenging activity by hepatic stellate cells: Protection of hepatocytes from ischemia/reperfusion injury. <i>Liver Transplantation</i> , 2010, 16, 1400-1409.	1.3	13
51	Effect of troloxerutin on 2-aminoanthracene and DNA interaction and its anti-mutagenic property. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 325-334.	2.5	13
52	Augmenter of liver regeneration enhances cell proliferation through the microRNA-26a/Akt/cyclin D1 pathway in hepatic cells. <i>Hepatology Research</i> , 2019, 49, 1341-1352.	1.8	12
53	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, 416-421.	2.5	11
54	Targeting molecular signal transduction pathways in hepatocellular carcinoma and its implications for cancer therapy. <i>Cell Biology International</i> , 2021, 45, 2161-2177.	1.4	11

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55	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.	2.0	10
56	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.	0.6	10
57	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, 165-172.	1.4	9
58	Exploration of disulfiram dealings with calf thymus DNA using spectroscopic, electrochemical and molecular docking techniques. <i>Journal of Luminescence</i> , 2016, 170, 255-261.	1.5	9
59	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.	1.3	9
60	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, 429-437.	1.2	8
61	Antioxidant-associated chemoprevention by sodium selenite inN-nitrosodiethylamine-induced and phenobarbital-promoted hepatocarcinogenesis in rats. <i>Cell Biochemistry and Function</i> , 2004, 22, 265-271.	1.4	8
62	The prominence of potential biomarkers in the diagnosis and management of hepatocellular carcinoma: Current scenario and future anticipation. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 1607-1623.	1.2	7
63	Effect of sodium selenite on lipids and lipid-metabolizing enzymes inN-nitrosodiethylamine-induced hepatoma-bearing rats. <i>Journal of Trace Elements in Experimental Medicine</i> , 2003, 16, 1-15.	0.8	5
64	Probing the interaction of troxerutin with transfer RNA by spectroscopic and molecular modeling. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 137-144.	1.7	5
65	Nutrient mixture from germinated legumes: Enhanced medicinal value with herbsâ€attenuated liver cirrhosis. <i>Journal of Food Biochemistry</i> , 2020, 44, e13085.	1.2	3
66	Molecular modeling of human alkaline sphingomyelinase. <i>Bioinformation</i> , 2011, 6, 78-82.	0.2	2
67	Inhibition of NADPH oxidase-2 and P38 mitogen activated protein kinase suppresses acrolein aggravated hepatic ischemia reperfusion injury through neutrophil extracellular traps. <i>Journal of Hepatology</i> , 2017, 66, S201-S202.	1.8	1
68	<i>Curcuma longa</i>and<i>Trigonella foenum graecum</i>â€enriched nutrient mixture from germinated<i>Macrotyloma uniflorum</i>and<i>Vigna radiate</i>ameliorate nonalcoholic fatty liver diseases in rats. <i>Journal of Food Biochemistry</i> , 2020, 44, e13159.	1.2	1
69	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.	0.9	1
70	Phosphorylated abacavir analogue (ABCâ€1) has ameliorative action against Newcastle disease virus induced pathogenesis in chicken. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 977-989.	1.4	0
71	A Mechanistic Review on Plant-derived Natural Inhibitors of Human Coronaviruses with Emphasis on SARS-COV-1 and SARS-COV-2. <i>Current Drug Targets</i> , 2021, 22, .	1.0	0