

Ekambaram Perumal

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,378
citations

304602

22
h-index

206029

48
g-index

51
all docs

51
docs citations

51
times ranked

3790
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal oxide nanoparticles as antimicrobial agents: a promise for the future. <i>International Journal of Antimicrobial Agents</i> , 2017, 49, 137-152.	1.1	448
2	Antioxidant response elements: Discovery, classes, regulation and potential applications. <i>Redox Biology</i> , 2018, 17, 297-314.	3.9	324
3	Potential role of signal transducer and activator of transcription (STAT)3 signaling pathway in inflammation, survival, proliferation and invasion of hepatocellular carcinoma. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2013, 1835, 46-60.	3.3	169
4	A brief review on experimental fluorosis. <i>Toxicology Letters</i> , 2013, 223, 236-251.	0.4	148
5	Dysregulation of Nrf2 in Hepatocellular Carcinoma: Role in Cancer Progression and Chemoresistance. <i>Cancers</i> , 2018, 10, 481.	1.7	135
6	Emodin inhibits growth and induces apoptosis in an orthotopic hepatocellular carcinoma model by blocking activation of STAT3. <i>British Journal of Pharmacology</i> , 2013, 170, 807-821.	2.7	128
7	Acute and sublethal exposure to copper oxide nanoparticles causes oxidative stress and teratogenicity in zebrafish embryos. <i>Journal of Applied Toxicology</i> , 2016, 36, 554-567.	1.4	82
8	A review on the chemotherapeutic potential of fisetin: In vitro evidences. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 928-940.	2.5	77
9	Repeated exposure to iron oxide nanoparticles causes testicular toxicity in mice. <i>Environmental Toxicology</i> , 2017, 32, 594-608.	2.1	63
10	Emodin Suppresses Migration and Invasion through the Modulation of CXCR4 Expression in an Orthotopic Model of Human Hepatocellular Carcinoma. <i>PLoS ONE</i> , 2013, 8, e57015.	1.1	57
11	Micro-RNAs and Their Roles in Eye Disorders. <i>Ophthalmic Research</i> , 2015, 53, 169-186.	1.0	46
12	Neurobehavioural Toxicity of Iron Oxide Nanoparticles in Mice. <i>Neurotoxicity Research</i> , 2017, 32, 187-203.	1.3	44
13	Caffeic acid, a phyto polyphenol mitigates fluoride induced hepatotoxicity in rats: A possible mechanism. <i>BioFactors</i> , 2015, 41, 90-100.	2.6	43
14	Tamarind seed coat ameliorates fluoride induced cytotoxicity, oxidative stress, mitochondrial dysfunction and apoptosis in A549 cells. <i>Journal of Hazardous Materials</i> , 2016, 301, 554-565.	6.5	43
15	MicroRNAs and Xenobiotic Toxicity: An Overview. <i>Toxicology Reports</i> , 2020, 7, 583-595.	1.6	40
16	An anthraquinone derivative, emodin sensitizes hepatocellular carcinoma cells to TRAIL induced apoptosis through the induction of death receptors and downregulation of cell survival proteins. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 1175-1187.	2.2	36
17	Recurrent exposure to ferric oxide nanoparticles alters myocardial oxidative stress, apoptosis and necrotic markers in male mice. <i>Chemico-Biological Interactions</i> , 2017, 278, 54-64.	1.7	28
18	Role of epigenetics in zebrafish development. <i>Gene</i> , 2019, 718, 144049.	1.0	28

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19	Fisetin Inhibits Autophagy in HepG2 Cells via PI3K/Akt/mTOR and AMPK Pathway. <i>Nutrition and Cancer</i> , 2021, 73, 2502-2514.	0.9	28
20	Iron Oxide Nanoparticles Induces Cell Cycle-Dependent Neuronal Apoptosis in Mice. <i>Journal of Molecular Neuroscience</i> , 2018, 64, 352-362.	1.1	27
21	Single oral acute fluoride exposure causes changes in cardiac expression of oxidant and antioxidant enzymes, apoptotic and necrotic markers in male rats. <i>Biochimie</i> , 2015, 119, 27-35.	1.3	25
22	Iron oxide nanoparticles modulate heat shock proteins and organ specific markers expression in mice male accessory organs. <i>Toxicology and Applied Pharmacology</i> , 2017, 317, 12-24.	1.3	24
23	Selective detection of pyrophosphate anion by zinc ensemble of C3-symmetric triaminoguanidine-pyrrole conjugate and its biosensing applications. <i>Analytica Chimica Acta</i> , 2020, 1103, 192-201.	2.6	21
24	Identification of compounds that inhibit the binding of Keap1a/Keap1b Kelch DGR domain with Nrf2 ETGE/DLG motifs in zebrafish. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 125, 259-270.	1.2	20
25	Fisetin, a phytopolyphenol, targets apoptotic and necroptotic cell death in HepG2 cells. <i>BioFactors</i> , 2020, 46, 118-135.	2.6	20
26	Acute exposure to titanium dioxide (TiO ₂) induces oxidative stress in zebrafish gill tissues. <i>Toxicological and Environmental Chemistry</i> , 2014, 96, 890-905.	0.6	19
27	Acute fluoride poisoning alters myocardial cytoskeletal and AMPK signaling proteins in rats. <i>International Journal of Cardiology</i> , 2017, 229, 96-101.	0.8	19
28	Chronic exposure to copper oxide nanoparticles causes muscle toxicity in adult zebrafish. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27358-27369.	2.7	19
29	In silico prediction of microRNAs on fluoride induced sperm toxicity in mice. <i>Food and Chemical Toxicology</i> , 2016, 98, 34-49.	1.8	18
30	Possible Modulatory Effect of Tamarind Seed Coat Extract on Fluoride-Induced Pulmonary Inflammation and Fibrosis in Rats. <i>Inflammation</i> , 2018, 41, 886-895.	1.7	17
31	Iron Oxide Nanoparticles Affects Behaviour and Monoamine Levels in Mice. <i>Neurochemical Research</i> , 2019, 44, 1533-1548.	1.6	16
32	Acute fluoride exposure alters myocardial redox and inflammatory markers in rats. <i>Molecular Biology Reports</i> , 2019, 46, 6155-6164.	1.0	15
33	Ferulic acid attenuates arsenic-induced cardiotoxicity in rats. <i>Biotechnology and Applied Biochemistry</i> , 2020, 67, 186-195.	1.4	15
34	Differential expression of myocardial heat shock proteins in rats acutely exposed to fluoride. <i>Cell Stress and Chaperones</i> , 2017, 22, 743-750.	1.2	14
35	Analysis of Lethality and Malformations During Zebrafish (<i>Danio rerio</i>) Development. <i>Methods in Molecular Biology</i> , 2018, 1797, 337-363.	0.4	13
36	Evaluation of Maghemite Nanoparticles-Induced Developmental Toxicity and Oxidative Stress in Zebrafish Embryos/Larvae. <i>Biological Trace Element Research</i> , 2022, 200, 2349-2364.	1.9	12

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37	Protocatechuic acid methyl ester ameliorates fluoride toxicity in A549 cells. <i>Food and Chemical Toxicology</i> , 2017, 109, 941-950.	1.8	11
38	Genome-wide identification and analysis of Nrf2 binding sites " Antioxidant response elements in zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2018, 360, 236-248.	1.3	11
39	Protocatechuic acid methyl ester modulates fluoride induced pulmonary toxicity in rats. <i>Food and Chemical Toxicology</i> , 2018, 118, 235-244.	1.8	11
40	Pulmonary fluorosis: a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22119-22132.	2.7	10
41	Fluoride Induced Neurobehavioral Impairments in Experimental Animals: a Brief Review. <i>Biological Trace Element Research</i> , 2023, 201, 1214-1236.	1.9	10
42	Tamarind seed coat extract restores fluoride-induced hematological and biochemical alterations in rats. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26157-26166.	2.7	7
43	Potential plant-derived catecholaminergic activity enhancers for neuropharmacological approaches: A review. <i>Phytomedicine</i> , 2019, 55, 148-164.	2.3	7
44	Ameliorative Effect of Hesperidin Against Motion Sickness by Modulating Histamine and Histamine H1 Receptor Expression. <i>Neurochemical Research</i> , 2020, 45, 371-384.	1.6	7
45	Screening of potent STAT3-SH2 domain inhibitors from JAK/STAT compound library through molecular dynamics simulation. <i>Molecular Diversity</i> , 2023, 27, 1297-1308.	2.1	7
46	Mitigation of arsenic induced developmental cardiotoxicity by ferulic acid in zebrafish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 244, 109021.	1.3	5
47	Integrated in silico analysis for the identification of key genes and signaling pathways in copper oxide nanoparticles toxicity. <i>Toxicology</i> , 2021, 463, 152984.	2.0	5
48	Heat Shock Proteins and Endoplasmic Reticulum Stress. <i>Heat Shock Proteins</i> , 2018, , 39-78.	0.2	4
49	Nanoengineered biomaterials for neurodegenerative disorders. , 2020, , 713-734.		1
50	ZFARED: A Database of the Antioxidant Response Elements in Zebrafish. <i>Current Bioinformatics</i> , 2020, 15, 415-419.	0.7	1
51	HO-1/HSP32 and Cardiac Stress Signaling. <i>Heat Shock Proteins</i> , 2019, , 139-159.	0.2	0