

Karthik Kumar Venkatachalam

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

834
citations

471061

17
h-index

500791

28
g-index

34
all docs

34
docs citations

34
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	The Novel Pimavanserin Derivative ST-2300 with Histamine H3 Receptor Affinity Shows Reduced 5-HT2A Binding, but Maintains Antidepressant- and Anxiolytic-like Properties in Mice. <i>Biomolecules</i> , 2022, 12, 683.	1.8	2
2	Morin treatment for acute ethanol exposure in rats. <i>Biotechnic and Histochemistry</i> , 2021, 96, 230-241.	0.7	4
3	pH-sensitive release of fungal metabolites from chitosan nanoparticles for effective cytotoxicity in prostate cancer (PC3) cells. <i>Process Biochemistry</i> , 2021, 102, 165-172.	1.8	15
4	Bioformulated Hesperidin-Loaded PLGA Nanoparticles Counteract the Mitochondrial-Mediated Intrinsic Apoptotic Pathway in Cancer Cells. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 331-343.	1.9	26
5	The Multi-Targeting Ligand ST-2223 with Histamine H3 Receptor and Dopamine D2/D3 Receptor Antagonist Properties Mitigates Autism-Like Repetitive Behaviors and Brain Oxidative Stress in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1947.	1.8	14
6	Dietary Phytochemicals as a Potential Source for Targeting Cancer Stem Cells. <i>Cancer Investigation</i> , 2021, 39, 1-20.	0.6	8
7	Nucleolin targeted delivery of aptamer tagged Trichoderma derived crude protein coated gold nanoparticles for improved cytotoxicity in cancer cells. <i>Process Biochemistry</i> , 2021, 102, 325-332.	1.8	16
8	The histamine H3R and dopamine D2R/D3R antagonist ST-713 ameliorates autism-like behavioral features in BTBR T+tf/J mice by multiple actions. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111517.	2.5	12
9	Chemopreventive potential of Kayan Karpam (Traditional formulation) on B(A)P induced lung cancer in experimental mice. <i>Research Journal of Pharmacy and Technology</i> , 2021, , 4640-4646.	0.2	0
10	Antidiabetic Activity of Gold Nanoparticles Synthesized Using Wedelolactone in RIN-5F Cell Line. <i>Antioxidants</i> , 2020, 9, 8.	2.2	22
11	Folic acid functionalized starch encapsulated green synthesized copper oxide nanoparticles for targeted drug delivery in breast cancer therapy. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2073-2084.	3.6	92
12	Biochemical and molecular aspects of 1,2-dimethylhydrazine (DMH)-induced colon carcinogenesis: a review. <i>Toxicology Research</i> , 2020, 9, 2-18.	0.9	39
13	Green synthesis of gold nanoparticle using <i>Eclipta alba</i> and its antidiabetic activities through regulation of Bcl-2 expression in pancreatic cell line. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101786.	1.4	30
14	Beneficial Biological role of <i>Allium hirtifolium</i> on various diseases. <i>Research Journal of Pharmacy and Technology</i> , 2020, 13, 1009.	0.2	3
15	Anti-inflammatory and anticancer effects of p-methoxycinnamic acid, an active phenylpropanoid, against 1,2-dimethylhydrazine-induced rat colon carcinogenesis. <i>Molecular and Cellular Biochemistry</i> , 2019, 451, 117-129.	1.4	25
16	Polydatin Encapsulated Poly [Lactic-co-glycolic acid] Nanoformulation Counteract the 7,12-Dimethylbenz[a] Anthracene Mediated Experimental Carcinogenesis through the Inhibition of Cell Proliferation. <i>Antioxidants</i> , 2019, 8, 375.	2.2	20
17	Phloretin loaded chitosan nanoparticles enhance the antioxidants and apoptotic mechanisms in DMBA induced experimental carcinogenesis. <i>Chemico-Biological Interactions</i> , 2019, 308, 11-19.	1.7	32
18	Biofabrication of Zinc Oxide Nanoparticles from <i>Aspergillus niger</i> , Their Antioxidant, Antimicrobial and Anticancer Activity. <i>Journal of Cluster Science</i> , 2019, 30, 937-946.	1.7	71

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19	Zingerone (Ginger Extract)., 2017, , 289-297.		12
20	Modulatory effects of condensed tannin fractions of different molecular weights from a <i>Leucaena leucocephala</i> hybrid on the bovine rumen bacterial community <i>in vitro</i> . Journal of the Science of Food and Agriculture, 2016, 96, 4565-4574.	1.7	17
21	Biochemical and molecular mechanisms underlying the chemopreventive efficacy of rosmarinic acid in a rat colon cancer. European Journal of Pharmacology, 2016, 791, 37-50.	1.7	34
22	Rosmarinic acid inhibits DMH-induced cell proliferation in experimental rats. Journal of Basic and Clinical Physiology and Pharmacology, 2015, 26, 185-200.	0.7	19
23	p-Methoxycinnamic acid, an active phenylpropanoid induces mitochondrial mediated apoptosis in HCT-116 human colon adenocarcinoma cell line. Environmental Toxicology and Pharmacology, 2015, 40, 966-974.	2.0	22
24	Oral supplementation with troxerutin (trihydroxyethylrutin), modulates lipid peroxidation and antioxidant status in 1,2-dimethylhydrazine-induced rat colon carcinogenesis. Environmental Toxicology and Pharmacology, 2014, 37, 174-184.	2.0	24
25	Protective effect of p-methoxycinnamic acid, an active phenolic acid against 1,2-dimethylhydrazine-induced colon carcinogenesis: modulating biotransforming bacterial enzymes and xenobiotic metabolizing enzymes. Molecular and Cellular Biochemistry, 2014, 394, 187-198.	1.4	10
26	The effect of rosmarinic acid on 1,2-dimethylhydrazine induced colon carcinogenesis. Experimental and Toxicologic Pathology, 2013, 65, 409-418.	2.1	68
27	The modulatory influence of p-methoxycinnamic acid, an active rice bran phenolic acid, against 1,2-dimethylhydrazine-induced lipid peroxidation, antioxidant status and aberrant crypt foci in rat colon carcinogenesis. Chemico-Biological Interactions, 2012, 196, 11-22.	1.7	15
28	Modulatory efficacy of rosmarinic acid on premalignant lesions and antioxidant status in 1,2-dimethylhydrazine induced rat colon carcinogenesis. Environmental Toxicology and Pharmacology, 2012, 34, 949-958.	2.0	30
29	Inhibitory effect of morin on DMH-induced biochemical changes and aberrant crypt foci formation in experimental colon carcinogenesis. Environmental Toxicology and Pharmacology, 2010, 29, 50-57.	2.0	23
30	Effect of morin on tissue lipid peroxidation and antioxidant status in 1, 2-dimethylhydrazine induced experimental colon carcinogenesis. Investigational New Drugs, 2009, 27, 21-30.	1.2	81
31	Modifying effects of morin on the development of aberrant crypt foci and bacterial enzymes in experimental colon cancer. Food and Chemical Toxicology, 2009, 47, 309-315.	1.8	45
32	Purified Banana lectin (BanLec) isolated from the ripen pulp of <i>Musa Paradisiaca</i> induces apoptosis in cancer cell lines: <i>in vitro</i> study. Advances in Traditional Medicine, 0, , 1.	1.0	3