

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 | 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 |
| 2 | Effect of morin on tissue lipid peroxidation and antioxidant status in 1, 2-dimethylhydrazine induced experimental colon carcinogenesis. <i>Investigational New Drugs</i> , 2009, 27, 21-30. | 1.2 | 81 |
| 3 | 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 |
| 4 | The effect of rosmarinic acid on 1,2-dimethylhydrazine induced colon carcinogenesis. <i>Experimental and Toxicologic Pathology</i> , 2013, 65, 409-418. | 2.1 | 68 |
| 5 | Modifying effects of morin on the development of aberrant crypt foci and bacterial enzymes in experimental colon cancer. <i>Food and Chemical Toxicology</i> , 2009, 47, 309-315. | 1.8 | 45 |
| 6 | 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 |
| 7 | Biochemical and molecular mechanisms underlying the chemopreventive efficacy of rosmarinic acid in a rat colon cancer. <i>European Journal of Pharmacology</i> , 2016, 791, 37-50. | 1.7 | 34 |
| 8 | 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 |
| 9 | Modulatory efficacy of rosmarinic acid on premalignant lesions and antioxidant status in 1,2-dimethylhydrazine induced rat colon carcinogenesis. <i>Environmental Toxicology and Pharmacology</i> , 2012, 34, 949-958. | 2.0 | 30 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Oral supplementation with troxerutin (trihydroxyethylrutin), modulates lipid peroxidation and antioxidant status in 1,2-dimethylhydrazine-induced rat colon carcinogenesis. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 174-184. | 2.0 | 24 |
| 14 | Inhibitory effect of morin on DMH-induced biochemical changes and aberrant crypt foci formation in experimental colon carcinogenesis. <i>Environmental Toxicology and Pharmacology</i> , 2010, 29, 50-57. | 2.0 | 23 |
| 15 | p-Methoxycinnamic acid, an active phenylpropanoid induces mitochondrial mediated apoptosis in HCT-116 human colon adenocarcinoma cell line. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 966-974. | 2.0 | 22 |
| 16 | Antidiabetic Activity of Gold Nanoparticles Synthesized Using Wedelolactone in RIN-5F Cell Line. <i>Antioxidants</i> , 2020, 9, 8. | 2.2 | 22 |
| 17 | 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 |
| 18 | Rosmarinic acid inhibits DMH-induced cell proliferation in experimental rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2015, 26, 185-200. | 0.7 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Nucleolin targeted delivery of aptamer tagged Trichoderma derived crude protein coated gold nanoparticles for improved cytotoxicity in cancer cells. Process Biochemistry, 2021, 102, 325-332. | 1.8 | 16 |
| 21 | 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 |
| 22 | pH-sensitive release of fungal metabolites from chitosan nanoparticles for effective cytotoxicity in prostate cancer (PC3) cells. Process Biochemistry, 2021, 102, 165-172. | 1.8 | 15 |
| 23 | 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. International Journal of Molecular Sciences, 2021, 22, 1947. | 1.8 | 14 |
| 24 | Zingerone (Ginger Extract)., 2017, , 289-297. | | 12 |
| 25 | The histamine H3R and dopamine D2R/D3R antagonist ST-713 ameliorates autism-like behavioral features in BTBR T+tf/J mice by multiple actions. Biomedicine and Pharmacotherapy, 2021, 138, 111517. | 2.5 | 12 |
| 26 | 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 |
| 27 | Dietary Phytochemicals as a Potential Source for Targeting Cancer Stem Cells. Cancer Investigation, 2021, 39, 1-20. | 0.6 | 8 |
| 28 | Morin treatment for acute ethanol exposure in rats. Biotechnic and Histochemistry, 2021, 96, 230-241. | 0.7 | 4 |
| 29 | Beneficial Biological role of <i>Allium hirtifolium</i> on various diseases. Research Journal of Pharmacy and Technology, 2020, 13, 1009. | 0.2 | 3 |
| 30 | 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 |
| 31 | 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. Biomolecules, 2022, 12, 683. | 1.8 | 2 |
| 32 | Chemopreventive potential of Kayan Karpam (Traditional formulation) on B(A)P induced lung cancer in experimental mice. Research Journal of Pharmacy and Technology, 2021, , 4640-4646. | 0.2 | 0 |