

Rajarajeswaran Jayakumar

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,435
citations

331642

21
h-index

330122

37
g-index

40
all docs

40
docs citations

40
times ranked

2265
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural quinones induce ROS-mediated apoptosis and inhibit cell migration in PANC-1 human pancreatic cancer cell line. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e23008.	3.0	10
2	Green and eco-friendly approaches for the extraction of chitin and chitosan: A review. <i>Carbohydrate Polymers</i> , 2022, 287, 119349.	10.2	88
3	Zinc oxide-quercetin nanocomposite as a smart nano-drug delivery system: Molecular-level interaction studies. <i>Applied Surface Science</i> , 2021, 536, 147741.	6.1	76
4	Recent insights into the extraction, characterization, and bioactivities of chitin and chitosan from insects. <i>Trends in Food Science and Technology</i> , 2020, 105, 17-42.	15.1	170
5	Trends in the extraction, purification, characterisation and biological activities of polysaccharides from tropical and sub-tropical fruits – A comprehensive review. <i>Carbohydrate Polymers</i> , 2020, 238, 116185.	10.2	48
6	Genotoxic effects of tobacco use in residents of hilly areas and foot hills of Western Ghats, Southern India. <i>Scientific Reports</i> , 2019, 9, 14898.	3.3	9
7	Cloning, overexpression, purification, and modeling of a lectin (Rhinolectin) with antiproliferative activity from Tiger Milk Mushroom, <i>Lignosus rhinocerus</i> . <i>IUBMB Life</i> , 2019, 71, 1579-1594.	3.4	8
8	<i>In vivo</i> acute toxicity evaluation and <i>in vitro</i> molecular mechanism study of antiproliferative activity of a novel indole Schiff base λ^2 -diiminato manganese(III) complex in hormone-dependent and triple negative breast cancer cells. <i>PeerJ</i> , 2019, 7, e7686.	2.0	25
9	Hyper-Expression of PD-1 Is Associated with the Levels of Exhausted and Dysfunctional Phenotypes of Circulating CD161 ⁺ TCR $\gamma\delta$ 7.2 ⁺ Mucosal-Associated Invariant T Cells in Chronic Hepatitis B Virus Infection. <i>Frontiers in Immunology</i> , 2018, 9, 472.	4.8	78
10	Growth performance, muscle biochemical constituents, amino acid and fatty acid compositions of the giant freshwater prawn, <i>Macrobrachium rosenbergii</i> , fed with herb-incorporated diet. <i>Aquaculture Nutrition</i> , 2017, 23, 766-776.	2.7	8
11	A novel λ^2 -diiminato manganese(III) complex as the promising anticancer agent induces G ₀ /G ₁ cell cycle arrest and triggers apoptosis via mitochondrial-dependent pathways in MCF-7 and MDA-MB-231 human breast cancer cells. <i>RSC Advances</i> , 2017, 7, 24387-24398.	3.6	24
12	Decrease of CD69 levels on TCR $\gamma\delta$ 7.2 ⁺ CD4 ⁺ innate-like lymphocytes is associated with impaired cytotoxic functions in chronic hepatitis B virus-infected patients. <i>Innate Immunity</i> , 2017, 23, 459-467.	2.4	49
13	Japanese encephalitis virus disrupts blood-brain barrier and modulates apoptosis proteins in THBMEC cells. <i>Virus Research</i> , 2017, 233, 17-28.	2.2	28
14	Morphological and <i>in vitro</i> evaluation of programmed cell death in MCF-7 cells by new organoruthenium(II) complexes. <i>New Journal of Chemistry</i> , 2017, 41, 8620-8636.	2.8	11
15	Immune Responses to Influenza Virus and Its Correlation to Age and Inherited Factors. <i>Frontiers in Microbiology</i> , 2016, 7, 1841.	3.5	51
16	Phyto-synthesis of silver nanoparticles using <i>Alternanthera tenella</i> leaf extract: an effective inhibitor for the migration of human breast adenocarcinoma (MCF-7) cells. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 651-659.	3.4	54
17	Synthesis of flexirubin-mediated silver nanoparticles using <i>Chryseobacterium artocarpi</i> CECT 8497 and investigation of its anticancer activity. <i>Materials Science and Engineering C</i> , 2016, 59, 228-234.	7.3	50
18	Purified essential oil from <i>Ocimum sanctum</i> Linn. triggers the apoptotic mechanism in human breast cancer cells. <i>Pharmacognosy Magazine</i> , 2016, 12, 327.	0.6	16

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19	<i>Petroselinum crispum</i> has antioxidant properties, protects against DNA damage and inhibits proliferation and migration of cancer cells. Journal of the Science of Food and Agriculture, 2015, 95, 2763-2771.	3.5	55
20	Antioxidant and cytotoxic activities of three species of tropical seaweeds. BMC Complementary and Alternative Medicine, 2015, 15, 339.	3.7	40
21	Antioxidant, antiproliferative, genotoxic and cytoprotective effects of the methanolic extract of <i>Padina tetrastratica</i> on human breast adenocarcinoma and embryonic fibroblast cell lines. Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences, 2015, 8, 411-418.	1.1	7
22	Concurrent loss of co-stimulatory molecules and functional cytokine secretion attributes leads to proliferative senescence of CD8+ T cells in HIV/TB co-infection. Cellular Immunology, 2015, 297, 19-32.	3.0	13
23	White tea (<i>Camellia sinensis</i>) inhibits proliferation of the colon cancer cell line, HT-29, activates caspases and protects DNA of normal cells against oxidative damage. Food Chemistry, 2015, 169, 401-410.	8.2	120
24	Evaluation of clinical and cytogenetic parameters in rheumatoid arthritis patients for effective diagnosis. Clinica Chimica Acta, 2015, 439, 77-83.	1.1	1
25	Antimetastatic and Anti-Inflammatory Potentials of Essential Oil from Edible <i>Ocimum sanctum</i> Leaves. Scientific World Journal, The, 2014, 2014, 1-5.	2.1	13
26	Evaluation of cytotoxic, DNA protecting and LPS induced MMP-9 down regulation activities of <i>Plectranthus amboinicus</i> (Lour) Spreng. essential oil. Pharmacognosy Journal, 2014, 7, 32-36.	0.8	1
27	Laccase mediated diclofenac transformation and cytotoxicity assessment on mouse fibroblast 3T3-L1 preadipocytes. RSC Advances, 2014, 4, 11689.	3.6	23
28	Influence of rearing water temperature on induced gonadal development and spawning behaviour of tropical green mussel, <i>Perna viridis</i> . Asian Pacific Journal of Reproduction, 2014, 3, 204-209.	0.4	15
29	Assessment of genotoxic and molecular mechanisms of cancer risk in smoking and smokeless tobacco users. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 767, 21-27.	1.7	35
30	Antioxidant activity of <i>Coriandrum sativum</i> and protection against DNA damage and cancer cell migration. BMC Complementary and Alternative Medicine, 2013, 13, 347.	3.7	70
31	Analysis of chemical composition and bioactive property evaluation of Indian propolis. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, 651-654.	1.2	30
32	Analysis of chemical composition and evaluation of antigenotoxic, cytotoxic and antioxidant activities of essential oil of <i>Toddalia asiatica</i> (L.) Lam. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, S1276-S1279.	1.2	7
33	Dietary spices protect against hydrogen peroxide-induced DNA damage and inhibit nicotine-induced cancer cell migration. Food Chemistry, 2012, 134, 1580-1584.	8.2	24
34	Synthesis, structure and biological evaluation of bis salicylaldehyde-4(N)-ethylthiosemicarbazone ruthenium(III) triphenylphosphine. Metallomics, 2011, 3, 42-48.	2.4	59
35	XRCC1 gene variants and possible links with chromosome aberrations and micronucleus in active and passive smokers. Environmental Toxicology and Pharmacology, 2011, 32, 185-192.	4.0	21
36	Protection of cadmium chloride induced DNA damage by Lamiaceae plants. Asian Pacific Journal of Tropical Biomedicine, 2011, 1, 391-394.	1.2	21

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37	Inhibitory effects of fruit extracts on nitric oxide-induced proliferation in MCF-7 cells. Food Chemistry, 2011, 126, 956-960.	8.2	43
38	Cytotoxic and anticarcinogenic activity of the ent-kaurene diterpenoid, melissoidesin, from <i>Isodon wightii</i> (Benth) H. Hara. Natural Product Research, 2009, 23, 1499-1506.	1.8	9
39	Evaluation of DNA damage in jewellery workers occupationally exposed to nitric oxide. Environmental Toxicology and Pharmacology, 2008, 26, 259-261.	4.0	10
40	Anti-acetylcholinesterase and antioxidant ent-kaurene diterpenoid, melissoidesin from <i>Isodon wightii</i> (Benth) H. Hara. Natural Product Research, 2008, 22, 681-688.	1.8	15