

Gk Jayaprakasha

List of Publications by Year in descending order

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60
papers

5,673
citations

101543

36
h-index

144013

57
g-index

60
all docs

60
docs citations

60
times ranked

6964
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant activity of grape seed (<i>Vitis vinifera</i>) extracts on peroxidation models in vitro. <i>Food Chemistry</i> , 2001, 73, 285-290.	8.2	896
2	Antibacterial and antioxidant activities of grape (<i>Vitis vinifera</i>) seed extracts. <i>Food Research International</i> , 2003, 36, 117-122.	6.2	501
3	Antioxidant and antimutagenic activities of pomegranate peel extracts. <i>Food Chemistry</i> , 2003, 80, 393-397.	8.2	393
4	Antioxidant activities of curcumin, demethoxycurcumin and bisdemethoxycurcumin. <i>Food Chemistry</i> , 2006, 98, 720-724.	8.2	351
5	Suppression of bacterial cell-cell signalling, biofilm formation and type III secretion system by citrus flavonoids. <i>Journal of Applied Microbiology</i> , 2010, 109, 515-527.	3.1	284
6	Antioxidant and Antibacterial Activities of <i>Punica granatum</i> Peel Extracts. <i>Journal of Food Science</i> , 2003, 68, 1473-1477.	3.1	227
7	In vitro evaluation of the antioxidant activities in fruit extracts from citron and blood orange. <i>Food Chemistry</i> , 2007, 101, 410-418.	8.2	205
8	Antioxidant activity of the extracts from fruits. <i>Food Chemistry</i> , 2005, 90, 891-896.	8.2	187
9	Radical scavenging activities of Rio Red grapefruits and Sour orange fruit extracts in different in vitro model systems. <i>Bioresource Technology</i> , 2008, 99, 4484-4494.	9.6	176
10	Grapefruit juice and its furocoumarins inhibits autoinducer signaling and biofilm formation in bacteria. <i>International Journal of Food Microbiology</i> , 2008, 125, 204-208.	4.7	175
11	Berberine induces apoptosis in breast cancer cells (MCF-7) through mitochondrial-dependent pathway. <i>European Journal of Pharmacology</i> , 2010, 645, 70-78.	3.5	156
12	Antioxidant and antimutagenic activities of <i>Cinnamomum zeylanicum</i> fruit extracts. <i>Journal of Food Composition and Analysis</i> , 2007, 20, 330-336.	3.9	127
13	Inhibition of colon cancer cell growth and antioxidant activity of bioactive compounds from <i>Poncirus trifoliata</i> (L.) Raf.. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4923-4932.	3.0	116
14	Variation of antioxidant activity and the levels of bioactive compounds in lipophilic and hydrophilic extracts from hot pepper (<i>Capsicum</i> spp.) cultivars. <i>Food Chemistry</i> , 2012, 134, 1912-1918.	8.2	97
15	Apoptosis-mediated proliferation inhibition of human colon cancer cells by volatile principles of <i>Citrus aurantifolia</i> . <i>Food Chemistry</i> , 2009, 114, 1351-1358.	8.2	92
16	Grapefruit bioactive limonoids modulate <i>E. coli</i> O157:H7 TTSS and biofilm. <i>International Journal of Food Microbiology</i> , 2010, 140, 109-116.	4.7	89
17	Antiaflatoxigenic and antioxidant activities of <i>Garcinia</i> extracts. <i>International Journal of Food Microbiology</i> , 2005, 101, 153-160.	4.7	80
18	Inhibition of growth and aflatoxin production in <i>Aspergillus flavus</i> by <i>Garcinia indica</i> extract and its antioxidant activity. <i>Food Microbiology</i> , 2003, 20, 455-460.	4.2	79

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19	Extraction efficiency and validation of an HPLC method for flavonoid analysis in peppers. <i>Food Chemistry</i> , 2012, 130, 751-758.	8.2	77
20	Novel triterpenoid from <i>Citrus aurantium</i> L. possesses chemopreventive properties against human colon cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5939-5951.	3.0	76
21	Low temperature conditioning reduces chilling injury while maintaining quality and certain bioactive compounds of "Star Ruby" grapefruit. <i>Food Chemistry</i> , 2014, 153, 243-249.	8.2	74
22	Limonoids from <i>Citrus reticulata</i> and their moult inhibiting activity in mosquito <i>Culex quinquefasciatus</i> larvae. <i>Phytochemistry</i> , 1997, 44, 843-846.	2.9	71
23	Potent Inhibition of Human Cytochrome P450 3A4, 2D6, and 2C9 Isoenzymes by Grapefruit Juice and Its Furocoumarins. <i>Journal of Food Science</i> , 2007, 72, C417-21.	3.1	69
24	Simultaneous determination of citrus limonoid aglycones and glucosides by high performance liquid chromatography. <i>Analytica Chimica Acta</i> , 2007, 590, 180-186.	5.4	66
25	Determination of organic acids in leaves and rinds of <i>Garcinia indica</i> (Desr.) by LC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 28, 379-384.	2.8	62
26	Antibacterial activity of the extracts from the fruit rinds of <i>Garcinia cowa</i> and <i>Garcinia pedunculata</i> against food borne pathogens and spoilage bacteria. <i>LWT - Food Science and Technology</i> , 2008, 41, 1857-1861.	5.2	61
27	Ascorbic acid, capsaicinoid, and flavonoid aglycone concentrations as a function of fruit maturity stage in greenhouse-grown peppers. <i>Journal of Food Composition and Analysis</i> , 2014, 33, 195-202.	3.9	59
28	Determination of organic acids in <i>Garcinia cambogia</i> (Desr.) by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1998, 806, 337-339.	3.7	57
29	Characterization of <i>Citrus aurantifolia</i> bioactive compounds and their inhibition of human pancreatic cancer cells through apoptosis. <i>Microchemical Journal</i> , 2010, 94, 108-117.	4.5	53
30	Radical scavenging and cytochrome P450 3A4 inhibitory activity of bergaptol and geranylcoumarin from grapefruit. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3684-3691.	3.0	52
31	Chemical composition of volatile oil from <i>Citrus limettioides</i> and their inhibition of colon cancer cell proliferation. <i>Industrial Crops and Products</i> , 2013, 45, 200-207.	5.2	48
32	Rapid HPLC-UV method for quantification of l-citrulline in watermelon and its potential role on smooth muscle relaxation markers. <i>Food Chemistry</i> , 2011, 127, 240-248.	8.2	47
33	Obacunone and obacunone glucoside inhibit human colon cancer (SW480) cells by the induction of apoptosis. <i>Food and Chemical Toxicology</i> , 2011, 49, 1616-1625.	3.6	45
34	Degreening and postharvest storage influences "Star Ruby" grapefruit (<i>Citrus paradisi</i> Macf.) bioactive compounds. <i>Food Chemistry</i> , 2012, 135, 1667-1675.	8.2	45
35	Citrus flavonoid represses <i>Salmonella</i> pathogenicity island 1 and motility in <i>S. Typhimurium</i> LT2. <i>International Journal of Food Microbiology</i> , 2011, 145, 28-36.	4.7	41
36	Metabolomic studies of volatiles from tomatoes grown in net-house and open-field conditions. <i>Food Chemistry</i> , 2019, 275, 282-291.	8.2	39

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37	Inhibition of Escherichia coli O157:H7 motility and biofilm by β -Sitosterol glucoside. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 5219-5228.	2.4	37
38	Radical scavenging capacities and inhibition of human prostate (LNCaP) cell proliferation by <i>Fortunella margarita</i> . <i>Food Chemistry</i> , 2012, 131, 184-191.	8.2	35
39	A metabolomics approach to identify and quantify the phytochemicals in watermelons by quantitative ¹ HNMR. <i>Talanta</i> , 2016, 153, 268-277.	5.5	35
40	Antioxidative and antimutagenic activities of the extracts from the rinds of <i>Garcinia pedunculata</i> . <i>Innovative Food Science and Emerging Technologies</i> , 2006, 7, 246-250.	5.6	31
41	Metabolite profiling and in vitro biological activities of two commercial bitter melon (<i>Momordica</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	8.2	27
42	Obacunone exhibits anti-proliferative and anti-aromatase activity in vitro by inhibiting the p38 MAPK signaling pathway in MCF-7 human breast adenocarcinoma cells. <i>Biochimie</i> , 2014, 105, 36-44.	2.6	26
43	Antibacterial Activity of <i>Aristolochia bracteata</i> Root Extracts. <i>Journal of Medicinal Food</i> , 2003, 6, 401-403.	1.5	25
44	Phytochemical analysis of organic and conventionally cultivated Meyer lemons (<i>Citrus meyeri</i> Tan.) during refrigerated storage. <i>Journal of Food Composition and Analysis</i> , 2015, 42, 63-70.	3.9	24
45	A sensitive HPLC-FLD method combined with multivariate analysis for the determination of amino acids in l-citrulline rich vegetables. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 717-728.	1.9	23
46	Ethylene degreening modulates health promoting phytochemicals in Rio Red grapefruit. <i>Food Chemistry</i> , 2015, 188, 77-83.	8.2	21
47	An optimized solvent extraction and characterization of unidentified flavonoid glucuronide derivatives from spinach by UHPLC-HR-QTOF-MS. <i>Talanta</i> , 2018, 188, 763-771.	5.5	20
48	Influence of pre- and post-harvest factors and processing on the levels of furocoumarins in grapefruits (<i>Citrus paradisi</i> Macfed.). <i>Food Chemistry</i> , 2008, 111, 387-392.	8.2	19
49	Development of a method for the quantification of d-glucaric acid in different varieties of grapefruits by high-performance liquid chromatography and mass spectra. <i>Journal of Chromatography A</i> , 2008, 1190, 394-397.	3.7	19
50	An improved HPLC method for the analysis of citrus limonoids in culture media. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 846, 385-390.	2.3	15
51	Chemometric characterization of 30 commercial thermal and cold processed juices using UPLC-QTOF-HR-MS fingerprints. <i>LWT - Food Science and Technology</i> , 2019, 114, 108322.	5.2	14
52	Citrus nomilin down-regulates TNF α -induced proliferation of aortic smooth muscle cells via apoptosis and inhibition of I κ B. <i>European Journal of Pharmacology</i> , 2017, 811, 93-100.	3.5	8
53	Effect of ethylene degreening on flavonoid pathway gene expression and phytochemicals in Rio Red grapefruit (<i>Citrus paradisi</i> Macf). <i>Phytochemistry Letters</i> , 2017, 22, 270-279.	1.2	7
54	BetaSweet carrot extracts have antioxidant activity and in vitro antiproliferative effects against breast cancer cells. <i>Journal of Functional Foods</i> , 2019, 62, 103552.	3.4	6

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55	Impact of storage period and nanoparticle treatment on phytochemical composition of watermelons (<i>Citrullus lanatus</i>). <i>Journal of Food Composition and Analysis</i> , 2021, 104, 104139.	3.9	3
56	IMPACT OF CITRUS LIMONOIDS ON HUMAN HEALTH. <i>Acta Horticulturae</i> , 2007, , 127-134.	0.2	2
57	Grapefruit. , 2020, , 393-404.		2
58	LEMON (<i>CITRUS LEMON L. BURM</i>) AS A SOURCE OF UNIQUE BIOACTIVE COMPOUNDS. <i>Acta Horticulturae</i> , 2014, , 377-380.	0.2	1
59	PREVENTION OF CANCER BY NATURALLY OCCURRING BIOACTIVE COMPOUNDS: CONVENTIONAL WISDOM OR REALITY?. <i>Acta Horticulturae</i> , 2014, , 247-254.	0.2	0
60	ANTIOXIDANT ACTIVITIES OF KAGZI LIME (<i>CITRUS AURANTIFOLIA SWINGLE</i>). <i>Acta Horticulturae</i> , 2014, , 381-384.	0.2	0