

Theeshan Bahorun

List of Publications by Year in descending order

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77
papers

4,629
citations

172207
29
h-index

106150
65
g-index

80
all docs

80
docs citations

80
times ranked

6664
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenolics as potential antioxidant therapeutic agents: Mechanism and actions. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 579, 200-213.	0.4	1,075
2	Antioxidant Activities of Phenolic, Proanthocyanidin, and Flavonoid Components in Extracts of Cassia fistula. Journal of Agricultural and Food Chemistry, 2002, 50, 5042-5047.	2.4	355
3	Total phenol, flavonoid, proanthocyanidin and vitamin C levels and antioxidant activities of Mauritian vegetables. Journal of the Science of Food and Agriculture, 2004, 84, 1553-1561.	1.7	301
4	Antioxidant actions and phenolic and vitamin C contents of common Mauritian exotic fruits. Journal of the Science of Food and Agriculture, 2003, 83, 496-502.	1.7	236
5	Polyphenol composition, vitamin C content and antioxidant capacity of Mauritian citrus fruit pulps. Food Research International, 2011, 44, 2088-2099.	2.9	223
6	Functional Foods and Lifestyle Approaches for Diabetes Prevention and Management. Nutrients, 2017, 9, 1310.	1.7	218
7	Bioactive phenolics and antioxidant propensity of flavedo extracts of Mauritian citrus fruits: Potential prophylactic ingredients for functional foods application. Toxicology, 2010, 278, 75-87.	2.0	147
8	Chemopreventive actions of polyphenolic compounds in cancer. BioFactors, 2006, 27, 19-35.	2.6	145
9	Targeting specific cell signaling transduction pathways by dietary and medicinal phytochemicals in cancer chemoprevention. Toxicology, 2010, 278, 229-241.	2.0	144
10	Antioxidant Activities of Crataegus monogyna Extracts. Planta Medica, 1994, 60, 323-328.	0.7	113
11	Characterization of the antioxidant functions of flavonoids and proanthocyanidins in Mauritian black teas. Food Research International, 2005, 38, 357-367.	2.9	110
12	Neuroprotection by bioactive components in medicinal and food plant extracts. Mutation Research - Reviews in Mutation Research, 2003, 544, 203-215.	2.4	106
13	Phenolic constituents and antioxidant capacities of Crataegus monogyna (Hawthorn) callus extracts. Molecular Nutrition and Food Research, 2003, 47, 191-198.	0.0	92
14	Characterization of the phenolic constituents in Mauritian endemic plants as determinants of their antioxidant activities in vitro. Journal of Plant Physiology, 2006, 163, 787-799.	1.6	73
15	Low molecular proanthocyanidin dietary biofactor Oligonol: Its modulation of oxidative stress, bioefficacy, neuroprotection, food application and chemoprevention potentials. BioFactors, 2006, 27, 245-265.	2.6	73
16	Functional benefits of citrus fruits in the management of diabetes. Preventive Medicine, 2012, 54, S12-S16.	1.6	71
17	Citrus Fruit Extracts Reduce Advanced Glycation End Products (AGEs)- and H ₂ O ₂ -Induced Oxidative Stress in Human Adipocytes. Journal of Agricultural and Food Chemistry, 2010, 58, 11119-11129.	2.4	69
18	The effect of black tea on risk factors of cardiovascular disease in a normal population. Preventive Medicine, 2012, 54, S98-S102.	1.6	63

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19	Lactic Fermentation as an Efficient Tool to Enhance the Antioxidant Activity of Tropical Fruit Juices and Teas. <i>Microorganisms</i> , 2017, 5, 23.	1.6	62
20	Apoptosis inducing lead compounds isolated from marine organisms of potential relevance in cancer treatment. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 768, 84-97.	0.4	58
21	Effects of the Phenolic Contents of Mauritian Endemic Plant Extracts on Promoter Activities of Antioxidant Enzymes. <i>Free Radical Research</i> , 2003, 37, 1215-1224.	1.5	54
22	Black tea reduces uric acid and C-reactive protein levels in humans susceptible to cardiovascular diseases. <i>Toxicology</i> , 2010, 278, 68-74.	2.0	51
23	Effectiveness of Green Tea in a Randomized Human Cohort: Relevance to Diabetes and Its Complications. <i>BioMed Research International</i> , 2013, 2013, 1-12.	0.9	51
24	Assessment of the content of phenolics and antioxidant actions of the Rubiaceae, Ebenaceae, Celastraceae, Erythroxylaceae and Sterculaceae families of Mauritian endemic plants. <i>Toxicology in Vitro</i> , 2008, 22, 45-56.	1.1	44
25	Polyphenolic content and antioxidant activity of <i>Eugenia pollicina</i> leaf extract in vitro and in model emulsion systems. <i>Food Research International</i> , 2011, 44, 1190-1196.	2.9	37
26	Free Radicals, Antioxidants and Diabetes: Embryopathy, Retinopathy, Neuropathy, Nephropathy and Cardiovascular Complications. <i>Neuroembryology and Aging</i> , 2006, 4, 117-137.	0.1	34
27	Bioactivity of Nonedible Parts of <i>Punica granatum</i> L.: A Potential Source of Functional Ingredients. <i>International Journal of Food Science</i> , 2013, 2013, 1-12.	0.9	33
28	Phytochemical constituents of <i>Cassia fistula</i> . <i>African Journal of Food, Agriculture, Nutrition and Development</i> , 2011, 4, .	0.1	31
29	Diabetes as a risk factor to cancer: Functional role of fermented papaya preparation as phytonutraceutical adjunct in the treatment of diabetes and cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 768, 60-68.	0.4	31
30	In hospite Symbiodinium photophysiology and antioxidant responses in <i>Acropora muricata</i> on a coast-reef scale: implications for variable bleaching patterns. <i>Symbiosis</i> , 2016, 68, 61-72.	1.2	31
31	Effects of a short term supplementation of a fermented papaya preparation on biomarkers of diabetes mellitus in a randomized Mauritian population. <i>Preventive Medicine</i> , 2012, 54, S90-S97.	1.6	30
32	Fingerprinting and analysis of genetic diversity of litchi (<i>Litchi chinensis</i> Sonn.) accessions from different germplasm collections using microsatellite markers. <i>Tree Genetics and Genomes</i> , 2013, 9, 387-396.	0.6	29
33	Assessment of the polyphenolic composition of the organic extracts of Mauritian black teas: A potential contributor to their antioxidant functions. <i>BioFactors</i> , 2006, 27, 79-91.	2.6	25
34	Comparative suppressing effects of black and green teas on the formation of advanced glycation end products (AGEs) and AGE-induced oxidative stress. <i>Food and Function</i> , 2017, 8, 4194-4209.	2.1	25
35	Relationship between fermented papaya preparation supplementation, erythrocyte integrity and antioxidant status in pre-diabetics. <i>Food and Chemical Toxicology</i> , 2014, 65, 12-17.	1.8	24
36	Extracts of Mauritian <i>Carica papaya</i> (var. solo) protect SW872 and HepG2 cells against hydrogen peroxide induced oxidative stress. <i>Journal of Food Science and Technology</i> , 2017, 54, 1917-1927.	1.4	23

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37	Antibacterial and antibiotic potentiating activities of tropical marine sponge extracts. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 196, 81-90.	1.3	22
38	The role of endemic plants in Mauritian traditional medicine – Potential therapeutic benefits or placebo effect?. Journal of Ethnopharmacology, 2018, 213, 111-117.	2.0	21
39	Fermented papaya preparation modulates the progression of N -methyl- N -nitrosourea induced hepatocellular carcinoma in Balb/c mice. Life Sciences, 2016, 151, 330-338.	2.0	19
40	Inflammation, cellular and redox signalling mechanisms in cancer and degenerative diseases. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 579, 1-5.	0.4	17
41	Effect of <i>Aegle marmelos</i> leaf extract on N-methyl-N-nitrosourea-induced hepatocarcinogenesis in Balb/c mice. Pharmaceutical Biology, 2013, 51, 1272-1281.	1.3	17
42	Phylogenetics and antibacterial properties of exopolysaccharides from marine bacteria isolated from Mauritius seawater. Annals of Microbiology, 2019, 69, 957-972.	1.1	17
43	Comparative polyphenolic productions in <i>Crataegus monogyna</i> callus cultures. Phytochemistry, 1994, 37, 1273-1276.	1.4	16
44	Bioefficacy of Mauritian Endemic Medicinal Plants: Assessment of Their Phenolic Contents and Antioxidant Potential. Pharmaceutical Biology, 2007, 45, 9-17.	1.3	16
45	Morinda citrifolia L. fruit extracts modulates H ₂ O ₂ -induced oxidative stress in human liposarcoma SW872 cells. Journal of Traditional and Complementary Medicine, 2016, 6, 299-304.	1.5	15
46	Terminalia bentzoïka, a Mascarene Endemic Plant, Inhibits Human Hepatocellular Carcinoma Cells Growth In Vitro via G ₀ /G ₁ Phase Cell Cycle Arrest. Pharmaceuticals, 2020, 13, 303.	1.7	15
47	Assessment of the DNA damaging potency and chemopreventive effects towards BaP-induced genotoxicity in human derived cells by Monimiastrum globosum, an endemic Mauritian plant. Toxicology in Vitro, 2006, 20, 1427-1434.	1.1	13
48	Punica granatum L. mesocarp suppresses advanced glycation end products (AGEs)- and H ₂ O ₂ -induced oxidative stress and pro-inflammatory biomarkers. Journal of Functional Foods, 2017, 29, 115-126.	1.6	13
49	Phenotypic and molecular diversity of litchi cultivars in Mauritius. Fruits, 2010, 65, 141-152.	0.3	13
50	Cytoglobin as a Biomarker in Cancer: Potential Perspective for Diagnosis and Management. BioMed Research International, 2015, 2015, 1-6.	0.9	12
51	Methyl gallate – Rich fraction of Syzygium coriaceum leaf extract induced cancer cell cytotoxicity via oxidative stress. South African Journal of Botany, 2021, 137, 149-158.	1.2	12
52	Regulation of cancer cell signaling pathways as key events for therapeutic relevance of edible and medicinal mushrooms. Seminars in Cancer Biology, 2022, 80, 145-156.	4.3	11
53	Polyphenolic rich traditional plants and teas improve lipid stability in food test systems. Journal of Food Science and Technology, 2015, 52, 773-782.	1.4	10
54	Multi-targeted effects of untapped resources from the Mauritian endemic flora. South African Journal of Botany, 2018, 115, 208-216.	1.2	10

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55	Mauritian Endemic Medicinal Plant Extracts Induce G2/M Phase Cell Cycle Arrest and Growth Inhibition of Oesophageal Squamous Cell Carcinoma in Vitro. <i>Acta Naturae</i> , 2019, 11, 81-90.	1.7	10
56	N-methyl N-nitroso Urea induced altered DNA structure initiate hepatocarcinogenesis. <i>Preventive Medicine</i> , 2012, 54, S130-S136.	1.6	9
57	Antiproliferative activity of <i>Syzygium coriaceum</i> , an endemic plant of Mauritius, with its UPLC-MS metabolite fingerprint: A mechanistic study. <i>PLoS ONE</i> , 2021, 16, e0252276.	1.1	9
58	The inhibitory effect of a fermented papaya preparation on growth, hydrophobicity, and acid production of <i>Streptococcus mutans</i> , <i>Streptococcus mitis</i> , and <i>Lactobacillus acidophilus</i> : its implications in oral health improvement of diabetics. <i>Food Science and Nutrition</i> , 2013, 1, 416-421.	1.5	8
59	Discovering the Health Promoting Potential of Fermented Papaya Preparation—Its Future Perspectives for the Dietary Management of Oxidative Stress During Diabetes. <i>Fermentation</i> , 2018, 4, 83.	1.4	7
60	Bioactive Phytophenolics and Antioxidant Functions of Aqueous and Organic Tea Extracts. , 2013, , 361-374.		5
61	Modulation of hepatocarcinogenesis in N-methyl-N-nitrosourea treated Balb/c mice by mushroom extracts. <i>Food and Function</i> , 2016, 7, 594-609.	2.1	5
62	Polyphenol Production in <i>Crataegus</i> Tissue Cultures (Hawthorn). <i>Biotechnology in Agriculture and Forestry</i> , 2002, , 23-49.	0.2	5
63	The future of biomarkers. <i>Toxicology</i> , 2010, 278, 161-164.	2.0	3
64	Antioxidant status of Mauritian subjects with type II diabetes mellitus. <i>International Journal of Diabetes in Developing Countries</i> , 2013, 33, 161-164.	0.3	3
65	Phytomedicines, nutraceuticals, and functional foods regulatory framework. , 2019, , 509-521.		3
66	Modulatory effects of green tea on HEK-293 cell energy metabolism: implications in diabetic nephropathy. <i>Archives of Medical and Biomedical Research</i> , 2015, 1, 156.	0.2	2
67	Mauritian Endemic Medicinal Plant Extracts Induce G2/M Phase Cell Cycle Arrest and Growth Inhibition of Oesophageal Squamous Cell Carcinoma in Vitro. <i>Acta Naturae</i> , 2019, 11, 81-90.	1.7	2
68	Dietary Biofactors in the Management of Cancer: Myth or Reality?. , 2012, , 109-127.		1
69	Exploration of the Potential of Terrestrial and Marine Biodiversity for the Development of Local Nutraceutical Products: A Case for Mauritius. , 0, 1, 3.		1
70	Phytophenolic Nutrients in Citrus: Biochemical and Molecular Evidence. , 2012, , 25-40.		0
71	Rethinking conventional approaches to the detection, management and amelioration of disease. <i>Archives of Medical and Biomedical Research</i> , 2015, 1, 125.	0.2	0
72	Tea, the “Ambrosia” Beverage: Biochemical, Cellular, Molecular, and Clinical Evidences. , 2019, , 1-61.		0

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73	<i>Eugenia tinifolia</i> . , 2020, , 121-125.		0
74	Vascular and bone marrow explant models to assess in vitro hematotoxicity of herbal extracts. , 2020, , 487-495.		0
75	Interplay between dietary sugars and fats and insulin resistance. , 2020, , 483-503.		0
76	The Prophylactic Activity of <i>Punica granatum</i> L. mesocarp Protects Preadipocytes against Ribosylated BSA-Induced Toxicity. <i>Journal of the American College of Nutrition</i> , 2021, 40, 502-516.	1.1	0
77	Metabolite Profiling of Antioxidant Rich Fractions of <i>Punica granatum</i> L. Mesocarp and CD36 Expression Regulation. <i>Journal of the American College of Nutrition</i> , 2023, 42, 36-54.	1.1	0