

Sadia Afrin

List of Publications by Year in descending order

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77
papers

3,795
citations

117625

34
h-index

128289

60
g-index

77
all docs

77
docs citations

77
times ranked

4833
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenolic Compounds in Honey and Their Associated Health Benefits: A Review. <i>Molecules</i> , 2018, 23, 2322.	3.8	380
2	Strawberry as a health promoter: an evidence based review. <i>Food and Function</i> , 2015, 6, 1386-1398.	4.6	255
3	Promising Health Benefits of the Strawberry: A Focus on Clinical Studies. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4435-4449.	5.2	189
4	Anti-inflammatory effect of strawberry extract against LPS-induced stress in RAW 264.7 macrophages. <i>Food and Chemical Toxicology</i> , 2017, 102, 1-10.	3.6	150
5	Activation of AMPK/Nrf2 signalling by Manuka honey protects human dermal fibroblasts against oxidative damage by improving antioxidant response and mitochondrial function promoting wound healing. <i>Journal of Functional Foods</i> , 2016, 25, 38-49.	3.4	132
6	Chemopreventive and Therapeutic Effects of Edible Berries: A Focus on Colon Cancer Prevention and Treatment. <i>Molecules</i> , 2016, 21, 169.	3.8	130
7	The Healthy Effects of Strawberry Polyphenols: Which Strategy behind Antioxidant Capacity?. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, S46-S59.	10.3	129
8	Relevance of functional foods in the Mediterranean diet: the role of olive oil, berries and honey in the prevention of cancer and cardiovascular diseases. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 893-920.	10.3	126
9	Dietary phytochemicals in colorectal cancer prevention and treatment: A focus on the molecular mechanisms involved. <i>Biotechnology Advances</i> , 2020, 38, 107322.	11.7	112
10	<i>Apis mellifera</i> vs <i>Melipona beecheii</i> Cuban polifloral honeys: A comparison based on their physicochemical parameters, chemical composition and biological properties. <i>LWT - Food Science and Technology</i> , 2018, 87, 272-279.	5.2	101
11	Strawberry consumption improves aging-associated impairments, mitochondrial biogenesis and functionality through the AMP-activated protein kinase signaling cascade. <i>Food Chemistry</i> , 2017, 234, 464-471.	8.2	98
12	Autophagy in Human Health and Disease: Novel Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 577-634.	5.4	96
13	Overexpression of the Anthocyanidin Synthase Gene in Strawberry Enhances Antioxidant Capacity and Cytotoxic Effects on Human Hepatic Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 581-592.	5.2	93
14	Protective effects of Manuka honey on LPS-treated RAW 264.7 macrophages. Part 2: Control of oxidative stress induced damage, increase of antioxidant enzyme activities and attenuation of inflammation. <i>Food and Chemical Toxicology</i> , 2018, 120, 578-587.	3.6	81
15	Polyphenol-rich strawberry extract (PRSE) shows in vitro and in vivo biological activity against invasive breast cancer cells. <i>Scientific Reports</i> , 2016, 6, 30917.	3.3	78
16	Lipid Accumulation in HepG2 Cells Is Attenuated by Strawberry Extract through AMPK Activation. <i>Nutrients</i> , 2017, 9, 621.	4.1	74
17	Phenolic Compounds Isolated from Olive Oil as Nutraceutical Tools for the Prevention and Management of Cancer and Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2305.	4.1	73
18	Strawberry-Tree Honey Induces Growth Inhibition of Human Colon Cancer Cells and Increases ROS Generation: A Comparison with Manuka Honey. <i>International Journal of Molecular Sciences</i> , 2017, 18, 613.	4.1	71

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19	Therapeutic and preventive properties of honey and its bioactive compounds in cancer: an evidence-based review. <i>Nutrition Research Reviews</i> , 2020, 33, 50-76.	4.1	68
20	The inhibitory effect of Manuka honey on human colon cancer HCT-116 and LoVo cell growth. Part 1: the suppression of cell proliferation, promotion of apoptosis and arrest of the cell cycle. <i>Food and Function</i> , 2018, 9, 2145-2157.	4.6	67
21	Manuka honey synergistically enhances the chemopreventive effect of 5-fluorouracil on human colon cancer cells by inducing oxidative stress and apoptosis, altering metabolic phenotypes and suppressing metastasis ability. <i>Free Radical Biology and Medicine</i> , 2018, 126, 41-54.	2.9	67
22	Targeting molecular pathways in cancer stem cells by natural bioactive compounds. <i>Pharmacological Research</i> , 2018, 135, 150-165.	7.1	60
23	Selective Progesterone Receptor Modulatorsâ€™ Mechanisms and Therapeutic Utility. <i>Endocrine Reviews</i> , 2020, 41, .	20.1	59
24	Comparison of Xpert MTB/RIF Assay and GenoType MTBDRplus DNA Probes for Detection of Mutations Associated with Rifampicin Resistance in <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2016, 11, e0152694.	2.5	58
25	Strawberry Achenes Are an Important Source of Bioactive Compounds for Human Health. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1103.	4.1	55
26	Strawberry extracts efficiently counteract inflammatory stress induced by the endotoxin lipopolysaccharide in Human Dermal Fibroblast. <i>Food and Chemical Toxicology</i> , 2018, 114, 128-140.	3.6	54
27	Strawberry-Based Cosmetic Formulations Protect Human Dermal Fibroblasts against UVA-Induced Damage. <i>Nutrients</i> , 2017, 9, 605.	4.1	50
28	Protective effects of Manuka honey on LPS-treated RAW 264.7 macrophages. Part 1: Enhancement of cellular viability, regulation of cellular apoptosis and improvement of mitochondrial functionality. <i>Food and Chemical Toxicology</i> , 2018, 121, 203-213.	3.6	50
29	The healthy effects of strawberry bioactive compounds on molecular pathways related to chronic diseases. <i>Annals of the New York Academy of Sciences</i> , 2017, 1398, 62-71.	3.8	46
30	Strawberry (cv. Romina) Methanolic Extract and Anthocyanin-Enriched Fraction Improve Lipid Profile and Antioxidant Status in HepG2 Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1149.	4.1	45
31	Strawberry consumption alleviates doxorubicin-induced toxicity by suppressing oxidative stress. <i>Food and Chemical Toxicology</i> , 2016, 94, 128-137.	3.6	44
32	The inhibitory effect of Manuka honey on human colon cancer HCT-116 and LoVo cell growth. Part 2: Induction of oxidative stress, alteration of mitochondrial respiration and glycolysis, and suppression of metastatic ability. <i>Food and Function</i> , 2018, 9, 2158-2170.	4.6	39
33	Characterization of phenolic extracts from Brava extra virgin olive oils and their cytotoxic effects on MCF-7 breast cancer cells. <i>Food and Chemical Toxicology</i> , 2018, 119, 73-85.	3.6	38
34	The protective effect of acerola (<i>Malpighia emarginata</i>) against oxidative damage in human dermal fibroblasts through the improvement of antioxidant enzyme activity and mitochondrial functionality. <i>Food and Function</i> , 2017, 8, 3250-3258.	4.6	36
35	Are by-products from beeswax recycling process a new promising source of bioactive compounds with biomedical properties?. <i>Food and Chemical Toxicology</i> , 2018, 112, 126-133.	3.6	36
36	Strawberry tree honey as a new potential functional food. Part 1: Strawberry tree honey reduces colon cancer cell proliferation and colony formation ability, inhibits cell cycle and promotes apoptosis by regulating EGFR and MAPKs signaling pathways. <i>Journal of Functional Foods</i> , 2019, 57, 439-452.	3.4	35

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37	Diet and Nutrition in Gynecological Disorders: A Focus on Clinical Studies. <i>Nutrients</i> , 2021, 13, 1747.	4.1	34
38	Simvastatin ameliorates altered mechanotransduction in uterine leiomyoma cells. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 733.e1-733.e14.	1.3	32
39	The Influence of In Vitro Gastrointestinal Digestion on the Anticancer Activity of Manuka Honey. <i>Antioxidants</i> , 2020, 9, 64.	5.1	32
40	Strawberry tree honey as a new potential functional food. Part 2: Strawberry tree honey increases ROS generation by suppressing Nrf2-ARE and NF- κ B signaling pathways and decreases metabolic phenotypes and metastatic activity in colon cancer cells. <i>Journal of Functional Foods</i> , 2019, 57, 477-487.	3.4	28
41	Extracellular matrix and Hippo signaling as therapeutic targets of antifibrotic compounds for uterine fibroids. <i>Clinical and Translational Medicine</i> , 2021, 11, e475.	4.0	27
42	Guava (<i>Psidium guajava</i> L. cv. Red Suprema) Crude Extract Protect Human Dermal Fibroblasts against Cytotoxic Damage Mediated by Oxidative Stress. <i>Plant Foods for Human Nutrition</i> , 2018, 73, 18-24.	3.2	25
43	Effect of pistachio kernel extracts in MCF-7 breast cancer cells: Inhibition of cell proliferation, induction of ROS production, modulation of glycolysis and of mitochondrial respiration. <i>Journal of Functional Foods</i> , 2018, 45, 155-164.	3.4	24
44	Cardiometabolic Risk Factors and Benign Gynecologic Disorders. <i>Obstetrical and Gynecological Survey</i> , 2019, 74, 661-673.	0.4	20
45	A Pilot Study of the Photoprotective Effects of Strawberry-Based Cosmetic Formulations on Human Dermal Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2015, 16, 17870-17884.	4.1	19
46	Protective Effect of Strawberry Extract against Inflammatory Stress Induced in Human Dermal Fibroblasts. <i>Molecules</i> , 2017, 22, 164.	3.8	19
47	Mechanical stiffness augments ligand-dependent progesterone receptor B activation via MEK 1/2 and Rho/ROCK-dependent signaling pathways in uterine fibroid cells. <i>Fertility and Sterility</i> , 2021, 116, 255-265.	1.0	19
48	Radiosynthesis and Evaluation of Talazoparib and Its Derivatives as PARP-1-Targeting Agents. <i>Biomedicines</i> , 2021, 9, 565.	3.2	18
49	Wnt/ β -catenin signaling pathway in uterine leiomyoma: role in tumor biology and targeting opportunities. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 3513-3536.	3.1	18
50	Strawberry tree honey in combination with 5-fluorouracil enhances chemosensitivity in human colon adenocarcinoma cells. <i>Food and Chemical Toxicology</i> , 2021, 156, 112484.	3.6	18
51	Phytochemical Composition and Cytotoxic Effects on Liver Hepatocellular Carcinoma Cells of Different Berries Following a Simulated In Vitro Gastrointestinal Digestion. <i>Molecules</i> , 2018, 23, 1918.	3.8	17
52	Simvastatin modulates estrogen signaling in uterine leiomyoma via regulating receptor palmitoylation, trafficking and degradation. <i>Pharmacological Research</i> , 2021, 172, 105856.	7.1	17
53	Simvastatin Inhibits Wnt/ β -Catenin Pathway in Uterine Leiomyoma. <i>Endocrinology</i> , 2021, 162, .	2.8	14
54	Strawberry extract attenuates oxidative stress in 3T3-L1 cells. <i>Journal of Berry Research</i> , 2018, 8, 193-203.	1.4	12

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55	Simvastatin inhibits stem cell proliferation in human leiomyoma via TGF β 3 and Wnt/ β -Catenin pathways. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 1684-1698.	3.6	11
56	Arsenic in cereals, their relation with human health risk, and possible mitigation strategies. <i>Food Reviews International</i> , 2017, 33, 620-643.	8.4	10
57	Strawberry and Achenes Hydroalcoholic Extracts and Their Digested Fractions Efficiently Counteract the AAPH-Induced Oxidative Damage in HepG2 Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2180.	4.1	10
58	Uterine Stem Cells and Benign Gynecological Disorders: Role in Pathobiology and Therapeutic Implications. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 803-820.	3.8	10
59	The effects of strawberry bioactive compounds on human health. <i>Acta Horticulturae</i> , 2017, , 355-362.	0.2	9
60	A comparative study on cytotoxic effects of strawberry extract on different cellular models. <i>Journal of Berry Research</i> , 2016, 6, 263-275.	1.4	8
61	Structure-stability relationship of anthocyanins under cell culture condition. <i>International Journal of Food Sciences and Nutrition</i> , 2019, 70, 285-293.	2.8	8
62	Simvastatin-loaded liposome nanoparticles treatment for uterine leiomyoma in a patient-derived xenograft mouse model: a pilot study. <i>Journal of Obstetrics and Gynaecology</i> , 2022, 42, 2139-2143.	0.9	8
63	Beeswax by-Products Efficiently Counteract the Oxidative Damage Induced by an Oxidant Agent in Human Dermal Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2842.	4.1	7
64	Differential response to hypoxia in leiomyoma and myometrial cells. <i>Life Sciences</i> , 2022, 290, 120238.	4.3	7
65	Hypoxia induces proliferation via NOX4-Mediated oxidative stress and TGF- β 3 signaling in uterine leiomyoma cells. <i>Free Radical Research</i> , 2022, 56, 163-172.	3.3	7
66	Inhibitory effects of anthocyanins on α -glucosidase activity. <i>Journal of Berry Research</i> , 2019, 9, 109-123.	1.4	6
67	Leptin induces leiomyoma cell proliferation and extracellular matrix deposition via JAK2/STAT3 and MAPK/ERK pathways. <i>F&S Science</i> , 2022, 3, 383-391.	0.9	6
68	Determination of the frequency of carbapenemase producing <i>Klebsiella pneumoniae</i> isolates in Dhaka city, Bangladesh. <i>Stamford Journal of Microbiology</i> , 2013, 2, 28-30.	0.2	5
69	Verteporfin inhibits fibrosis, inflammation and angiogenesis related genes in uterine fibroid cells. <i>Fertility and Sterility</i> , 2019, 112, e349.	1.0	4
70	Simvastatin reduces plasma membrane caveolae and caveolin-1 in uterine leiomyomas. <i>Life Sciences</i> , 2022, 304, 120708.	4.3	4
71	Data on body weight and liver functionality in aged rats fed an enriched strawberry diet. <i>Data in Brief</i> , 2017, 13, 432-436.	1.0	3
72	The photoprotective effects of strawberry-based cosmetic formulations on human dermal fibroblasts. <i>Acta Horticulturae</i> , 2017, , 397-404.	0.2	1

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73	Effect of simvastatin on integrin- β 1 and its downstream mediators in human leiomyoma cells. <i>Fertility and Sterility</i> , 2019, 112, e346.	1.0	1
74	Simvastatin inhibits RhoA activation, collagen expression and gel contraction in human leiomyoma cells. <i>Fertility and Sterility</i> , 2019, 112, e347.	1.0	1
75	Manuka honey, oxidative stress, 5-fluorouracil treatment, and colon cancer cells. , 2021, , 407-415.		1
76	Effects of three genetically-modified strawberry selections on human dermal fibroblasts exposed to AAPH-induced oxidative stress. <i>Acta Horticulturae</i> , 2017, , 405-412.	0.2	0
77	The effect of an enzymatic digestion process on strawberry antioxidant capacity. <i>Acta Horticulturae</i> , 2017, , 413-418.	0.2	0