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	Differential response to hypoxia in leiomyoma and myometrial cells. Life Sciences, 2022, 290, 120238.	4.3	7
2	Simvastatin inhibits stem cell proliferation in human leiomyoma via TGFâ€Î²3 and Wnt/Î²â€Catenin pathways. Journal of Cellular and Molecular Medicine, 2022, 26, 1684-1698.	3.6	11
3	Simvastatin-loaded liposome nanoparticles treatment for uterine leiomyoma in a patient-derived xenograft mouse model: a pilot study. Journal of Obstetrics and Gynaecology, 2022, 42, 2139-2143.	0.9	8
4	Hypoxia induces proliferation via NOX4-Mediated oxidative stress and TGF-Î²3 signaling in uterine leiomyoma cells. Free Radical Research, 2022, 56, 163-172.	3.3	7
5	Leptin induces leiomyoma cell proliferation and extracellular matrix deposition via JAK2/STAT3 and MAPK/ERK pathways. F&S Science, 2022, 3, 383-391.	0.9	6
6	Simvastatin reduces plasma membrane caveolae and caveolin-1 in uterine leiomyomas. Life Sciences, 2022, 304, 120708.	4.3	4
7	Uterine Stem Cells and Benign Gynecological Disorders: Role in Pathobiology and Therapeutic Implications. Stem Cell Reviews and Reports, 2021, 17, 803-820.	3.8	10
8	Manuka honey, oxidative stress, 5-fluorouracil treatment, and colon cancer cells. , 2021, , 407-415.		1
9	Radiosynthesis and Evaluation of Talazoparib and Its Derivatives as PARP-1-Targeting Agents. Biomedicines, 2021, 9, 565.	3.2	18
10	Diet and Nutrition in Gynecological Disorders: A Focus on Clinical Studies. Nutrients, 2021, 13, 1747.	4.1	34
11	Wnt/Î²-catenin signaling pathway in uterine leiomyoma: role in tumor biology and targeting opportunities. Molecular and Cellular Biochemistry, 2021, 476, 3513-3536.	3.1	18
12	Mechanical stiffness augments ligand-dependent progesterone receptor B activation via MEK 1/2 and Rho/ROCKâ€“dependent signaling pathways in uterine fibroid cells. Fertility and Sterility, 2021, 116, 255-265.	1.0	19
13	Extracellular matrix and Hippo signaling as therapeutic targets of antifibrotic compounds for uterine fibroids. Clinical and Translational Medicine, 2021, 11, e475.	4.0	27
14	Simvastatin modulates estrogen signaling in uterine leiomyoma via regulating receptor palmitoylation, trafficking and degradation. Pharmacological Research, 2021, 172, 105856.	7.1	17
15	Strawberry tree honey in combination with 5-fluorouracil enhances chemosensitivity in human colon adenocarcinoma cells. Food and Chemical Toxicology, 2021, 156, 112484.	3.6	18
16	Simvastatin Inhibits Wnt/Î²-Catenin Pathway in Uterine Leiomyoma. Endocrinology, 2021, 162, .	2.8	14
17	Dietary phytochemicals in colorectal cancer prevention and treatment: A focus on the molecular mechanisms involved. Biotechnology Advances, 2020, 38, 107322.	11.7	112
18	Therapeutic and preventive properties of honey and its bioactive compounds in cancer: an evidence-based review. Nutrition Research Reviews, 2020, 33, 50-76.	4.1	68

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19	Selective Progesterone Receptor Modulatorsâ€"Mechanisms and Therapeutic Utility. Endocrine Reviews, 2020, 41, .	20.1	59
20	Simvastatin ameliorates altered mechanotransduction in uterine leiomyoma cells. American Journal of Obstetrics and Gynecology, 2020, 223, 733.e1-733.e14.	1.3	32
21	The Influence of In Vitro Gastrointestinal Digestion on the Anticancer Activity of Manuka Honey. Antioxidants, 2020, 9, 64.	5.1	32
22	Autophagy in Human Health and Disease: Novel Therapeutic Opportunities. Antioxidants and Redox Signaling, 2019, 30, 577-634.	5.4	96
23	Verteporfin inhibits fibrosis, inflammation and angiogenesis related genes in uterine fibroid cells. Fertility and Sterility, 2019, 112, e349.	1.0	4
24	Strawberry tree honey as a new potential functional food. Part 2: Strawberry tree honey increases ROS generation by suppressing Nrf2-ARE and NF-ÐºB signaling pathways and decreases metabolic phenotypes and metastatic activity in colon cancer cells. Journal of Functional Foods, 2019, 57, 477-487.	3.4	28
25	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. Journal of Functional Foods, 2019, 57, 439-452.	3.4	35
26	Effect of simvastatin on integrin-Î²1 and its downstream mediators in human leiomyoma cells. Fertility and Sterility, 2019, 112, e346.	1.0	1
27	Simvastatin inhibits RhoA activation, collagen expression and gel contraction in human leiomyoma cells. Fertility and Sterility, 2019, 112, e347.	1.0	1
28	Cardiometabolic Risk Factors and Benign Gynecologic Disorders. Obstetrical and Gynecological Survey, 2019, 74, 661-673.	0.4	20
29	Structure-stability relationship of anthocyanins under cell culture condition. International Journal of Food Sciences and Nutrition, 2019, 70, 285-293.	2.8	8
30	Relevance of functional foods in the Mediterranean diet: the role of olive oil, berries and honey in the prevention of cancer and cardiovascular diseases. Critical Reviews in Food Science and Nutrition, 2019, 59, 893-920.	10.3	126
31	Inhibitory effects of anthocyanins on Î±-glucosidase activity. Journal of Berry Research, 2019, 9, 109-123.	1.4	6
32	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. Journal of Functional Foods, 2018, 45, 155-164.	3.4	24
33	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. Food and Function, 2018, 9, 2158-2170.	4.6	39
34	Strawberry extracts efficiently counteract inflammatory stress induced by the endotoxin lipopolysaccharide in Human Dermal Fibroblast. Food and Chemical Toxicology, 2018, 114, 128-140.	3.6	54
35	Guava (Psidium guajava L. cv. Red Suprema) Crude Extract Protect Human Dermal Fibroblasts against Cytotoxic Damage Mediated by Oxidative Stress. Plant Foods for Human Nutrition, 2018, 73, 18-24.	3.2	25
36	Are by-products from beeswax recycling process a new promising source of bioactive compounds with biomedical properties?. Food and Chemical Toxicology, 2018, 112, 126-133.	3.6	36

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37	Overexpression of the Anthocyanidin Synthase Gene in Strawberry Enhances Antioxidant Capacity and Cytotoxic Effects on Human Hepatic Cancer Cells. Journal of Agricultural and Food Chemistry, 2018, 66, 581-592.	5.2	93
38	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. Food and Function, 2018, 9, 2145-2157.	4.6	67
39	Apis mellifera vs Melipona beecheii Cuban polifloral honeys: A comparison based on their physicochemical parameters, chemical composition and biological properties. LWT - Food Science and Technology, 2018, 87, 272-279.	5.2	101
40	Beeswax by-Products Efficiently Counteract the Oxidative Damage Induced by an Oxidant Agent in Human Dermal Fibroblasts. International Journal of Molecular Sciences, 2018, 19, 2842.	4.1	7
41	Phenolic Compounds in Honey and Their Associated Health Benefits: A Review. Molecules, 2018, 23, 2322.	3.8	380
42	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. Food and Chemical Toxicology, 2018, 121, 203-213.	3.6	50
43	Characterization of phenolic extracts from Brava extra virgin olive oils and their cytotoxic effects on MCF-7 breast cancer cells. Food and Chemical Toxicology, 2018, 119, 73-85.	3.6	38
44	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. Free Radical Biology and Medicine, 2018, 126, 41-54.	2.9	67
45	Strawberry extract attenuates oxidative stress in 3T3-L1 cells. Journal of Berry Research, 2018, 8, 193-203.	1.4	12
46	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. Food and Chemical Toxicology, 2018, 120, 578-587.	3.6	81
47	Phytochemical Composition and Cytotoxic Effects on Liver Hepatocellular Carcinoma Cells of Different Berries Following a Simulated In Vitro Gastrointestinal Digestion. Molecules, 2018, 23, 1918.	3.8	17
48	Targeting molecular pathways in cancer stem cells by natural bioactive compounds. Pharmacological Research, 2018, 135, 150-165.	7.1	60
49	Strawberry and Achenes Hydroalcoholic Extracts and Their Digested Fractions Efficiently Counteract the AAPH-Induced Oxidative Damage in HepG2 Cells. International Journal of Molecular Sciences, 2018, 19, 2180.	4.1	10
50	Phenolic Compounds Isolated from Olive Oil as Nutraceutical Tools for the Prevention and Management of Cancer and Cardiovascular Diseases. International Journal of Molecular Sciences, 2018, 19, 2305.	4.1	73
51	Arsenic in cereals, their relation with human health risk, and possible mitigation strategies. Food Reviews International, 2017, 33, 620-643.	8.4	10
52	Anti-inflammatory effect of strawberry extract against LPS-induced stress in RAW 264.7 macrophages. Food and Chemical Toxicology, 2017, 102, 1-10.	3.6	150
53	Strawberry consumption improves aging-associated impairments, mitochondrial biogenesis and functionality through the AMP-activated protein kinase signaling cascade. Food Chemistry, 2017, 234, 464-471.	8.2	98
54	The effects of strawberry bioactive compounds on human health. Acta Horticulturae, 2017, , 355-362.	0.2	9

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55	The photoprotective effects of strawberry-based cosmetic formulations on human dermal fibroblasts. Acta Horticulturae, 2017, , 397-404.	0.2	1
56	Effects of three genetically-modified strawberry selections on human dermal fibroblasts exposed to AAPH-induced oxidative stress. Acta Horticulturae, 2017, , 405-412.	0.2	0
57	The effect of an enzymatic digestion process on strawberry antioxidant capacity. Acta Horticulturae, 2017, , 413-418.	0.2	0
58	The healthy effects of strawberry bioactive compounds on molecular pathways related to chronic diseases. Annals of the New York Academy of Sciences, 2017, 1398, 62-71.	3.8	46
59	Data on body weight and liver functionality in aged rats fed an enriched strawberry diet. Data in Brief, 2017, 13, 432-436.	1.0	3
60	The protective effect of acerola (Malpighia emarginata) against oxidative damage in human dermal fibroblasts through the improvement of antioxidant enzyme activity and mitochondrial functionality. Food and Function, 2017, 8, 3250-3258.	4.6	36
61	Protective Effect of Strawberry Extract against Inflammatory Stress Induced in Human Dermal Fibroblasts. Molecules, 2017, 22, 164.	3.8	19
62	Strawberry-Based Cosmetic Formulations Protect Human Dermal Fibroblasts against UVA-Induced Damage. Nutrients, 2017, 9, 605.	4.1	50
63	Lipid Accumulation in HepG2 Cells Is Attenuated by Strawberry Extract through AMPK Activation. Nutrients, 2017, 9, 621.	4.1	74
64	Strawberry-Tree Honey Induces Growth Inhibition of Human Colon Cancer Cells and Increases ROS Generation: A Comparison with Manuka Honey. International Journal of Molecular Sciences, 2017, 18, 613.	4.1	71
65	Strawberry (cv. Romina) Methanolic Extract and Anthocyanin-Enriched Fraction Improve Lipid Profile and Antioxidant Status in HepG2 Cells. International Journal of Molecular Sciences, 2017, 18, 1149.	4.1	45
66	A comparative study on cytotoxic effects of strawberry extract on different cellular models. Journal of Berry Research, 2016, 6, 263-275.	1.4	8
67	Strawberry Achenes Are an Important Source of Bioactive Compounds for Human Health. International Journal of Molecular Sciences, 2016, 17, 1103.	4.1	55
68	Chemopreventive and Therapeutic Effects of Edible Berries: A Focus on Colon Cancer Prevention and Treatment. Molecules, 2016, 21, 169.	3.8	130
69	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. Journal of Functional Foods, 2016, 25, 38-49.	3.4	132
70	Promising Health Benefits of the Strawberry: A Focus on Clinical Studies. Journal of Agricultural and Food Chemistry, 2016, 64, 4435-4449.	5.2	189
71	Polyphenol-rich strawberry extract (PRSE) shows in vitro and in vivo biological activity against invasive breast cancer cells. Scientific Reports, 2016, 6, 30917.	3.3	78
72	Strawberry consumption alleviates doxorubicin-induced toxicity by suppressing oxidative stress. Food and Chemical Toxicology, 2016, 94, 128-137.	3.6	44

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73	The Healthy Effects of Strawberry Polyphenols: Which Strategy behind Antioxidant Capacity?. Critical Reviews in Food Science and Nutrition, 2016, 56, S46-S59.	10.3	129
74	Comparison of Xpert MTB/RIF Assay and GenoType MTBDRplus DNA Probes for Detection of Mutations Associated with Rifampicin Resistance in Mycobacterium tuberculosis. PLoS ONE, 2016, 11, e0152694.	2.5	58
75	A Pilot Study of the Photoprotective Effects of Strawberry-Based Cosmetic Formulations on Human Dermal Fibroblasts. International Journal of Molecular Sciences, 2015, 16, 17870-17884.	4.1	19
76	Strawberry as a health promoter: an evidence based review. Food and Function, 2015, 6, 1386-1398.	4.6	255
77	Determination of the frequency of carbapenemase producing Klebsiella pneumoniae isolates in Dhaka city, Bangladesh. Stamford Journal of Microbiology, 2013, 2, 28-30.	0.2	5