

Vermont P Dia

List of Publications by Year in descending order

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61
papers

2,301
citations

218677

26
h-index

223800

46
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62
all docs

62
docs citations

62
times ranked

2292
citing authors

#	ARTICLE	IF	CITATIONS
1	Lunasin and lunasin-like peptides inhibit inflammation through suppression of NF- κ B pathway in the macrophage. <i>Peptides</i> , 2009, 30, 2388-2398.	2.4	155
2	The role of nutraceutical proteins and peptides in apoptosis, angiogenesis, and metastasis of cancer cells. <i>Cancer and Metastasis Reviews</i> , 2010, 29, 511-528.	5.9	143
3	Presence of Lunasin in Plasma of Men after Soy Protein Consumption. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1260-1266.	5.2	104
4	Lunasin promotes apoptosis in human colon cancer cells by mitochondrial pathway activation and induction of nuclear clusterin expression. <i>Cancer Letters</i> , 2010, 295, 44-53.	7.2	98
5	Peptides in common bean fractions inhibit human colorectal cancer cells. <i>Food Chemistry</i> , 2014, 157, 347-355.	8.2	94
6	Antioxidant and antiinflammatory properties of germinated and hydrolysed Brazilian soybean flours. <i>Food Chemistry</i> , 2012, 134, 2217-2225.	8.2	88
7	Common bean (<i>Phaseolus vulgaris</i> L.) hydrolysates inhibit inflammation in LPS-induced macrophages through suppression of NF- κ B pathways. <i>Food Chemistry</i> , 2011, 127, 1175-1185.	8.2	84
8	Extrusion improved the anti-inflammatory effect of amaranth (<i>Amaranthus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472 and mouse RAW 264.7 macrophages by preventing activation of NF- κ B signaling. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1028-1041.	3.3	82
9	Lunasin potentiates the effect of oxaliplatin preventing outgrowth of colon cancer metastasis, binds to α 5 β 1 integrin and suppresses FAK/ERK/NF- κ B signaling. <i>Cancer Letters</i> , 2011, 313, 167-180.	7.2	79
10	Lunasin induces apoptosis and modifies the expression of genes associated with extracellular matrix and cell adhesion in human metastatic colon cancer cells. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 623-634.	3.3	76
11	Protein hydrolysates from α -glycinin enriched soybean genotypes inhibit lipid accumulation and inflammation <i>in vitro</i> . <i>Molecular Nutrition and Food Research</i> , 2009, 53, 1007-1018.	3.3	75
12	Peptides in pepsin-pancreatin hydrolysates from commercially available soy products that inhibit lipopolysaccharide-induced inflammation in macrophages. <i>Food Chemistry</i> , 2014, 152, 423-431.	8.2	69
13	Inhibition of Pro-inflammatory Responses and Antioxidant Capacity of Mexican Blackberry (<i>Rubus</i> spp.) Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9542-9548.	5.2	66
14	BG-4, a novel anticancer peptide from bitter melon (<i>Momordica charantia</i>), promotes apoptosis in human colon cancer cells. <i>Scientific Reports</i> , 2016, 6, 33532.	3.3	64
15	Epithelial-Mesenchymal Transition in Paclitaxel-Resistant Ovarian Cancer Cells Is Downregulated by Luteolin. <i>Journal of Cellular Physiology</i> , 2017, 232, 391-401.	4.1	59
16	Bowman-Birk Inhibitor and Genistein among Soy Compounds That Synergistically Inhibit Nitric Oxide and Prostaglandin E ₂ Pathways in Lipopolysaccharide-Induced Macrophages. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11707-11717.	5.2	55
17	Analysis of Soybean Protein-Derived Peptides and the Effect of Cultivar, Environmental Conditions, and Processing on Lunasin Concentration in Soybean and Soy Products. <i>Journal of AOAC INTERNATIONAL</i> , 2008, 91, 936-946.	1.5	53
18	Alcalase and bromelain hydrolysis affected physicochemical and functional properties and biological activities of legume proteins. <i>Food Structure</i> , 2021, 27, 100178.	4.5	51

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19	Impact of ultrasonication on the physicochemical properties of sorghum kafirin and in vitro pepsin-pancreatin digestibility of sorghum gluten-like flour. <i>Food Chemistry</i> , 2018, 240, 1121-1130.	8.2	50
20	Antibacterial potential of a novel <i>Lactobacillus casei</i> strain isolated from Chinese northeast sauerkraut and the antibiofilm activity of its exopolysaccharides. <i>Food and Function</i> , 2020, 11, 4697-4706.	4.6	39
21	A Comparative Study on Phenolic Content, Antioxidant Activity and Anti-Inflammatory Capacity of Aqueous and Ethanolic Extracts of Sorghum in Lipopolysaccharide-Induced RAW 264.7 Macrophages. <i>Antioxidants</i> , 2020, 9, 1297.	5.1	37
22	Ripening affects the physicochemical properties, phytochemicals and antioxidant capacities of two blueberry cultivars. <i>Postharvest Biology and Technology</i> , 2020, 162, 111097.	6.0	35
23	Bovine Milk Exosomes Affect Proliferation and Protect Macrophages against Cisplatin-Induced Cytotoxicity. <i>Immunological Investigations</i> , 2020, 49, 711-725.	2.0	35
24	Bowman-Birk and Kunitz Protease Inhibitors among Antinutrients and Bioactives Modified by Germination and Hydrolysis in Brazilian Soybean Cultivar BRS 133. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 7886-7894.	5.2	32
25	Phytochemical concentrations and biological activities of Sorghum bicolor alcoholic extracts. <i>Food and Function</i> , 2016, 7, 3410-3420.	4.6	32
26	Processing Method and Corn Cultivar Affected Anthocyanin Concentration from Dried Distillers Grains with Solubles. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3205-3218.	5.2	28
27	BC-4, a novel bioactive peptide from momordica charantia, inhibits lipopolysaccharide-induced inflammation in THP-1 human macrophages. <i>Phytomedicine</i> , 2018, 42, 226-232.	5.3	27
28	Effect of heating on the digestibility of isolated hempseed (<i>Cannabis sativa</i> L.) protein and bioactivity of its pepsin-pancreatin digests. <i>Food Chemistry</i> , 2020, 314, 126198.	8.2	26
29	Encapsulation of vitamin D ₃ in gum arabic to enhance bioavailability and stability for beverage applications. <i>Journal of Food Science</i> , 2020, 85, 2368-2379.	3.1	26
30	Luteolin and Gemcitabine Protect Against Pancreatic Cancer in an Orthotopic Mouse Model. <i>Pancreas</i> , 2015, 44, 144-151.	1.1	25
31	Analysis of Lunasin in Commercial and Pilot Plant Produced Soybean Products and an Improved Method of Lunasin Purification. <i>Journal of Food Science</i> , 2012, 77, C539-45.	3.1	24
32	Yerba mate tea and mate saponins prevented azoxymethane-induced inflammation of rat colon through suppression of NF- κ B p65ser ³¹¹ signaling via I κ B α and GSK-3 β reduced phosphorylation. <i>BioFactors</i> , 2013, 39, 430-440.	5.4	24
33	Kunitz trypsin inhibitor in addition to Bowman-Birk inhibitor influence stability of lunasin against pepsin-pancreatin hydrolysis. <i>Food Research International</i> , 2016, 90, 205-215.	6.2	23
34	Heat sensitization of hepatitis A virus and Tulane virus using grape seed extract, gingerol and curcumin. <i>Food Microbiology</i> , 2020, 90, 103461.	4.2	23
35	Pepsin-pancreatin protein hydrolysates from extruded amaranth inhibit markers of atherosclerosis in LPS-induced THP-1 macrophages-like human cells by reducing expression of proteins in LOX-1 signaling pathway. <i>Proteome Science</i> , 2014, 12, 30.	1.7	22
36	Temperature Dependency of Shelf and Thermal Stabilities of Anthocyanins from Corn Distillers' Dried Grains with Solubles in Different Ethanol Extracts and a Commercially Available Beverage. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10032-10041.	5.2	21

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37	Kafirin from <i>Sorghum bicolor</i> inhibition of inflammation in THP-1 human macrophages is associated with reduction of intracellular reactive oxygen species. <i>Food and Chemical Toxicology</i> , 2018, 111, 503-510.	3.6	20
38	Physicochemical, functional and bioactive properties of hempseed (<i>Cannabis sativa</i> L.) meal, a co-product of hempseed oil and protein production, as affected by drying process. <i>Food Chemistry</i> , 2021, 350, 129188.	8.2	20
39	Peptides extracted from common bean (<i>Phaseolus vulgaris</i> L.) non-digestible fraction caused differential gene expression of HCT116 and RKO human colorectal cancer cells. <i>Food Research International</i> , 2014, 62, 193-204.	6.2	19
40	Pepsinâ€‘pancreatin hydrolysis reduced the ability of lunasin-enriched material to inhibit activation of the inflammasomes in THP-1 human macrophages. <i>Food and Function</i> , 2017, 8, 4449-4458.	4.6	19
41	Ice recrystallization inhibition effect of cellulose nanocrystals: Influence of sucrose concentration. <i>Food Hydrocolloids</i> , 2021, 121, 107011.	10.7	19
42	Differential gene expression of RAW 264.7 macrophages in response to the RGD peptide lunasin with and without lipopolysaccharide stimulation. <i>Peptides</i> , 2011, 32, 1979-1988.	2.4	17
43	Nanoencapsulation of apigenin with whey protein isolate: Physicochemical properties, in vitro activity against colorectal cancer cells, and bioavailability. <i>LWT - Food Science and Technology</i> , 2022, 154, 112751.	5.2	17
44	Storage stability of sorghum phenolic extracts' flavones luteolin and apigenin. <i>LWT - Food Science and Technology</i> , 2018, 97, 787-793.	5.2	16
45	Combinatorial effect of blueberry extracts and oxaliplatin in human colon cancer cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 17242-17253.	4.1	16
46	Antioxidant and Immunomodulatory Properties of Partially purified Exopolysaccharide from <i>Lactobacillus Casei</i> Isolated from Chinese Northeast Sauerkraut. <i>Immunological Investigations</i> , 2022, 51, 748-765.	2.0	16
47	Synergistic anti-inflammatory activity of apigenin and curcumin co-encapsulated in caseins assessed with lipopolysaccharide-stimulated RAW 264.7 macrophages. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 702-712.	7.5	15
48	Structural property of soybean lunasin and development of a method to quantify lunasin in plasma using an optimized immunoassay protocol. <i>Food Chemistry</i> , 2013, 138, 334-341.	8.2	12
49	Utilization of tofu processing wastewater as a source of the bioactive peptide lunasin. <i>Food Chemistry</i> , 2021, 362, 130220.	8.2	11
50	Electrosterically stabilized cellulose nanocrystals demonstrate ice recrystallization inhibition and cryoprotection activities. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2378-2386.	7.5	10
51	Potential Health Benefits Associated with Lunasin Concentration in Dietary Supplements and Lunasin-Enriched Soy Extract. <i>Nutrients</i> , 2021, 13, 1618.	4.1	10
52	BG-4 from Bitter Gourd (<i>Momordica charantia</i>) Differentially Affects Inflammation In Vitro and In Vivo. <i>Antioxidants</i> , 2019, 8, 175.	5.1	9
53	Lunasin protease inhibitor concentrate decreases pro-inflammatory cytokines and improves histopathological markers in dextran sodium sulfate-induced ulcerative colitis. <i>Food Science and Human Wellness</i> , 2022, 11, 1508-1514.	4.9	9
54	Sorghum Phenolics Inhibits Inflammasomes in Lipopolysaccharide (LPS)-Primed and Adenosine Triphosphate (ATP)-Activated Macrophages. <i>Plant Foods for Human Nutrition</i> , 2019, 74, 307-315.	3.2	6

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55	Comparative Biological Activities Determination of Aqueous Extracts of Hempseed Oil and Hempseed Protein Isolate Production Coproducts. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2019, 96, 1265-1274.	1.9	4
56	The effects of processing on <i>Garcinia xanthochymus</i> fruit beverage. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 55-68.	3.2	3
57	Chemistry and Biological Properties of Soybean Peptides and Proteins. <i>ACS Symposium Series</i> , 2010, , 133-154.	0.5	3
58	Mode of administration affected the capability of soybean-derived peptide lunasin to prevent metastasis of human colon cancer cells in a mouse model. <i>FASEB Journal</i> , 2013, 27, 863.13.	0.5	2
59	Plant sources of bioactive peptides. , 2021, , 357-402.		0
60	Peptides derived from extruded amaranth (<i>Amaranthus hypochondriacus</i>) improved the anti-inflammatory effect in LPS-induced human THP-1 and mouse RAW 264.7 macrophages by preventing the activation of NF- κ B pathway (1045.3). <i>FASEB Journal</i> , 2014, 28, 1045.3.	0.5	0
61	Extruded Amaranth (<i>Amaranthus hypochondriacus</i>) Hydrolysates Showed Potential Anti-atherosclerotic Effect on THP-1 Human Cells. <i>FASEB Journal</i> , 2015, 29, 923.19.	0.5	0