

Quancai Sun

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,436
citations

236833

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330025

37
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docs citations

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times ranked

1693
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacological Therapeutics Targeting RNA-Dependent RNA Polymerase, Proteinase and Spike Protein: From Mechanistic Studies to Clinical Trials for COVID-19. <i>Journal of Clinical Medicine</i> , 2020, 9, 1131.	1.0	112
2	Production, bioactive properties, and potential applications of fish protein hydrolysates: Developments and challenges. <i>Trends in Food Science and Technology</i> , 2021, 110, 687-699.	7.8	109
3	Imidacloprid Promotes High Fat Diet-Induced Adiposity and Insulin Resistance in Male C57BL/6J Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9293-9306.	2.4	83
4	Absorption, metabolism, and bioactivity of vitexin: recent advances in understanding the efficacy of an important nutraceutical. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 1049-1064.	5.4	70
5	Sweet tea (<i>Lithocarpus polystachyus</i> rehd.) as a new natural source of bioactive dihydrochalcones with multiple health benefits. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 917-934.	5.4	56
6	4,4'-Dichlorodiphenyltrichloroethane (DDT) and 4,4'-dichlorodiphenyldichloroethylene (DDE) promote adipogenesis in 3T3-L1 adipocyte cell culture. <i>Pesticide Biochemistry and Physiology</i> , 2016, 131, 40-45.	1.6	55
7	Imidacloprid Promotes High Fat Diet-Induced Adiposity in Female C57BL/6J Mice and Enhances Adipogenesis in 3T3-L1 Adipocytes via the AMPK \pm -Mediated Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6572-6581.	2.4	51
8	Exposure to permethrin promotes high fat diet-induced weight gain and insulin resistance in male C57BL/6J mice. <i>Food and Chemical Toxicology</i> , 2018, 111, 405-416.	1.8	51
9	The Bioactive Effects of Chicoric Acid As a Functional Food Ingredient. <i>Journal of Medicinal Food</i> , 2019, 22, 645-652.	0.8	49
10	Fipronil promotes adipogenesis via AMPK \pm -mediated pathway in 3T3-L1 adipocytes. <i>Food and Chemical Toxicology</i> , 2016, 92, 217-223.	1.8	48
11	Effects of L-arginine and L-histidine on heat-induced aggregation of fish myosin: Bighead carp (<i>Aristichthys nobilis</i>). <i>Food Chemistry</i> , 2019, 295, 320-326.	4.2	48
12	Preventive effects of cranberry products on experimental colitis induced by dextran sulphate sodium in mice. <i>Food Chemistry</i> , 2015, 167, 438-446.	4.2	45
13	Cranberry Product Decreases Fat Accumulation in <i>Caenorhabditis elegans</i> . <i>Journal of Medicinal Food</i> , 2016, 19, 427-433.	0.8	44
14	Deltamethrin increases the fat accumulation in 3T3-L1 adipocytes and <i>Caenorhabditis elegans</i> . <i>Food and Chemical Toxicology</i> , 2017, 101, 149-156.	1.8	42
15	Piceatannol extends the lifespan of <i>Caenorhabditis elegans</i> via DAF-16. <i>BioFactors</i> , 2017, 43, 379-387.	2.6	41
16	Vitexin ameliorates high fat diet-induced obesity in male C57BL/6J mice via the AMPK \pm -mediated pathway. <i>Food and Function</i> , 2019, 10, 1940-1947.	2.1	39
17	Suppression mechanism of L-arginine in the heat-induced aggregation of bighead carp (<i>Aristichthys</i>) Tj ETQq1 1 0.784314 rgBT /Overlooked Hydrocolloids, 2020, 102, 105596.	5.6	39
18	Sturgeon protein-derived peptides exert anti-inflammatory effects in LPS-stimulated RAW264.7 macrophages via the MAPK pathway. <i>Journal of Functional Foods</i> , 2020, 72, 104044.	1.6	39

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19	Sturgeon hydrolysates alleviate DSS-induced colon colitis in mice by modulating NF- κ B, MAPK, and microbiota composition. <i>Food and Function</i> , 2020, 11, 6987-6999.	2.1	36
20	Effects of deacetylation of konjac glucomannan on the physico-chemical properties of surimi gels from silver carp (<i>Hypophthalmichthys molitrix</i>). <i>RSC Advances</i> , 2019, 9, 19828-19836.	1.7	35
21	Peptide fraction from sturgeon muscle by pepsin hydrolysis exerts anti-inflammatory effects in LPS-stimulated RAW264.7 macrophages via MAPK and NF- κ B pathways. <i>Food Science and Human Wellness</i> , 2021, 10, 103-111.	2.2	35
22	Delivery of dietary triglycerides to <i>Caenorhabditis elegans</i> using lipid nanoparticles: Nanoemulsion-based delivery systems. <i>Food Chemistry</i> , 2016, 202, 451-457.	4.2	33
23	Use of l-arginine-assisted ultrasonic treatment to change the molecular and interfacial characteristics of fish myosin and enhance the physical stability of the emulsion. <i>Food Chemistry</i> , 2021, 342, 128314.	4.2	31
24	AAK-2 and SKN-1 Are Involved in Chicoric-Acid-Induced Lifespan Extension in <i>Caenorhabditis elegans</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9178-9186.	2.4	30
25	Confocal fluorescence mapping of pH profile inside hydrogel beads (microgels) with controllable internal pH values. <i>Food Hydrocolloids</i> , 2017, 65, 198-205.	5.6	25
26	Incorporation of gelatin and Fe ²⁺ increases the pH-sensitivity of zein-anthocyanin complex films used for milk spoilage detection. <i>Current Research in Food Science</i> , 2022, 5, 677-686.	2.7	24
27	Development of Functional or Medical Foods for Oral Administration of Insulin for Diabetes Treatment: Gastroprotective Edible Microgels. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4820-4826.	2.4	23
28	Deltamethrin promotes adipogenesis via AMPK $\hat{\pm}$ and ER stress-mediated pathway in 3T3-L1 adipocytes and <i>Caenorhabditis elegans</i> . <i>Food and Chemical Toxicology</i> , 2019, 134, 110791.	1.8	21
29	Environmental pollutants and type 2 diabetes: a review of human studies. <i>Toxicological and Environmental Chemistry</i> , 2017, 99, 1283-1303.	0.6	20
30	Chlorantraniliprole induces adipogenesis in 3T3-L1 adipocytes via the AMPK $\hat{\pm}$ pathway but not the ER stress pathway. <i>Food Chemistry</i> , 2020, 311, 125953.	4.2	16
31	Chicoric acid promotes glucose uptake and Akt phosphorylation via AMP-activated protein kinase $\hat{\pm}$ -dependent pathway. <i>Journal of Functional Foods</i> , 2019, 59, 8-15.	1.6	15
32	Permethrin decreased insulin-stimulated AKT phosphorylation dependent on extracellular signal-regulated kinase-1 (ERK), but not AMP-activated protein kinase $\hat{\pm}$ (AMPK $\hat{\pm}$), in C2C12 myotubes. <i>Food and Chemical Toxicology</i> , 2017, 109, 95-101.	1.8	15
33	Flubendiamide Enhances Adipogenesis and Inhibits AMPK $\hat{\pm}$ in 3T3-L1 Adipocytes. <i>Molecules</i> , 2018, 23, 2950.	1.7	14
34	Hepatoprotective effects of Di Wu Yang Gan: A medicinal food against CCl ₄ -induced hepatotoxicity in vivo and in vitro. <i>Food Chemistry</i> , 2020, 327, 127093.	4.2	10
35	Genome sequencing of cold-adapted <i>Planococcus</i> bacterium isolated from traditional shrimp paste and protease identification. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 3225-3236.	1.7	10
36	SiNiSan alleviates liver injury by promoting hepatic stem cell differentiation via Wnt/ β -catenin signaling pathway. <i>Phytomedicine</i> , 2022, 99, 153969.	2.3	8

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37	Ameliorative effects of L-arginine? On heat-induced phase separation of <i>Aristichthys nobilis</i> myosin are associated with the absence of ordered secondary structures of myosin. <i>Food Research International</i> , 2021, 141, 110154.	2.9	6
38	Pesticides exposure induced obesity and its associated diseases: recent progress and challenges. <i>Journal of Future Foods</i> , 2022, 2, 119-124.	2.0	5
39	Transcriptome analysis provides insight into deltamethrin-induced fat accumulation in 3T3-L1 adipocytes. <i>Pesticide Biochemistry and Physiology</i> , 2022, 184, 105114.	1.6	2
40	Sturgeon protein-derived peptide KIWHHTF prevents insulin resistance via modulation of IRS-1/PI3K/AKT signaling pathways in HepG2 cells. <i>Journal of Functional Foods</i> , 2022, 94, 105126.	1.6	1