

Ka-Wing Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

5,192
citations

94269

37
h-index

91712

69
g-index

106
all docs

106
docs citations

106
times ranked

6411
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of antioxidant capacity and total phenolic content of different fractions of selected microalgae. <i>Food Chemistry</i> , 2007, 102, 771-776.	4.2	532
2	A systematic survey of antioxidant activity of 30 Chinese medicinal plants using the ferric reducing antioxidant power assay. <i>Food Chemistry</i> , 2006, 97, 705-711.	4.2	419
3	Antioxidant properties in vitro and total phenolic contents in methanol extracts from medicinal plants. <i>LWT - Food Science and Technology</i> , 2008, 41, 385-390.	2.5	351
4	Cinnamon Bark Proanthocyanidins as Reactive Carbonyl Scavengers To Prevent the Formation of Advanced Glycation Endproducts. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 1907-1911.	2.4	208
5	Inhibitory effect of mung bean extract and its constituents vitexin and isovitexin on the formation of advanced glycation endproducts. <i>Food Chemistry</i> , 2008, 106, 475-481.	4.2	194
6	The effects of grape seed extract fortification on the antioxidant activity and quality attributes of bread. <i>Food Chemistry</i> , 2010, 119, 49-53.	4.2	182
7	Tyrosinase inhibitors from paper mulberry (<i>Broussonetia papyrifera</i>). <i>Food Chemistry</i> , 2008, 106, 529-535.	4.2	124
8	Tyrosinase Inhibitory Constituents from the Roots of <i>Morus nigra</i> : A Structure-Activity Relationship Study. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 5368-5373.	2.4	117
9	Isolation of tyrosinase inhibitors from <i>Artocarpus heterophyllus</i> and use of its extract as antibrowning agent. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 1530-1538.	1.5	110
10	Heterocyclic amines: Chemistry and health. <i>Molecular Nutrition and Food Research</i> , 2006, 50, 1150-1170.	1.5	102
11	Inhibitory activities of dietary phenolic compounds on heterocyclic amine formation in both chemical model system and beef patties. <i>Molecular Nutrition and Food Research</i> , 2007, 51, 969-976.	1.5	102
12	SLC25A22 Promotes Proliferation and Survival of Colorectal Cancer Cells With KRAS Mutations and Xenograft Tumor Progression in Mice via Intracellular Synthesis of Aspartate. <i>Gastroenterology</i> , 2016, 151, 945-960.e6.	0.6	100
13	Natural Polyphenols as Direct Trapping Agents of Lipid Peroxidation-Derived Acrolein and 4-Hydroxy-trans-2-nonenal. <i>Chemical Research in Toxicology</i> , 2009, 22, 1721-1727.	1.7	86
14	Inhibition of heterocyclic amine formation by water-soluble vitamins in Maillard reaction model systems and beef patties. <i>Food Chemistry</i> , 2012, 133, 760-766.	4.2	86
15	Protective effects of pinostilbene, a resveratrol methylated derivative, against 6-hydroxydopamine-induced neurotoxicity in SH-SY5Y cells. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 482-489.	1.9	85
16	Inhibition of acrylamide formation by vitamins in model reactions and fried potato strips. <i>Food Chemistry</i> , 2009, 116, 34-39.	4.2	77
17	Inhibitory Effect of Fruit Extracts on the Formation of Heterocyclic Amines. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 10359-10365.	2.4	75
18	A Hetero-Photoautotrophic Two-Stage Cultivation Process for Production of Fucoxanthin by the Marine Diatom <i>Nitzschia laevis</i> . <i>Marine Drugs</i> , 2018, 16, 219.	2.2	73

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19	Apigenin and its methylglyoxal-adduct inhibit advanced glycation end products-induced oxidative stress and inflammation in endothelial cells. <i>Biochemical Pharmacology</i> , 2019, 166, 231-241.	2.0	73
20	Inhibition of mutagenic PhIP formation by epigallocatechin gallate via scavenging of phenylacetaldehyde. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 716-725.	1.5	68
21	Activities of hydrocolloids as inhibitors of acrylamide formation in model systems and fried potato strips. <i>Food Chemistry</i> , 2010, 121, 424-428.	4.2	66
22	Trapping of Phenylacetaldehyde as a Key Mechanism Responsible for Naringenin's Inhibitory Activity in Mutagenic 2-Amino-1-methyl-6-phenylimidazo [4,5-b]Pyridine Formation. <i>Chemical Research in Toxicology</i> , 2008, 21, 2026-2034.	1.7	63
23	8-(6-phenylethenyl)quercetin from onion/beef soup induces autophagic cell death in colon cancer cells through ERK activation. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600437.	1.5	60
24	Inhibitory Mechanism of Naringenin against Carcinogenic Acrylamide Formation and Nonenzymatic Browning in Maillard Model Reactions. <i>Chemical Research in Toxicology</i> , 2009, 22, 1483-1489.	1.7	59
25	Identification and characterization of molecular targets of natural products by mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2010, 29, 126-155.	2.8	57
26	Oxyresveratrol as an Antibrowning Agent for Cloudy Apple Juices and Fresh-Cut Apples. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2604-2610.	2.4	56
27	Fucoxanthin modulates cecal and fecal microbiota differently based on diet. <i>Food and Function</i> , 2019, 10, 5644-5655.	2.1	54
28	Staged cultivation enhances biomass accumulation in the green growth phase of <i>Haematococcus pluvialis</i> . <i>Bioresource Technology</i> , 2017, 233, 326-331.	4.8	53
29	Chemical Components and Tyrosinase Inhibitors from the Twigs of <i>Artocarpus heterophyllus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6649-6655.	2.4	52
30	The multifunctional roles of flavonoids against the formation of advanced glycation end products (AGEs) and AGEs-induced harmful effects. <i>Trends in Food Science and Technology</i> , 2020, 103, 333-347.	7.8	50
31	Effects of Fruit Extracts on the Formation of Acrylamide in Model Reactions and Fried Potato Crisps. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 309-312.	2.4	49
32	Extract of the Microalga <i>Nitzschia laevis</i> Prevents High-Fat Diet-Induced Obesity in Mice by Modulating the Composition of Gut Microbiota. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800808.	1.5	47
33	6-(6-phenylethenyl)-Naringenin Suppresses Colorectal Cancer Growth by Inhibiting Cyclooxygenase-1. <i>Cancer Research</i> , 2014, 74, 243-252.	0.4	45
34	Analysis of antioxidant activity and antioxidant constituents of Chinese toon. <i>Journal of Functional Foods</i> , 2009, 1, 253-259.	1.6	44
35	Preclinical Predictors of Anticancer Drug Efficacy: Critical Assessment with Emphasis on Whether Nanomolar Potency Should Be Required of Candidate Agents: TABLE 1. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 341, 572-578.	1.3	44
36	Evaluation of two methods for the extraction of antioxidants from medicinal plants. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 483-488.	1.9	43

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37	Novel roles of hydrocolloids in foods: Inhibition of toxic maillard reaction products formation and attenuation of their harmful effects. <i>Trends in Food Science and Technology</i> , 2021, 111, 706-715.	7.8	42
38	Investigation of carbon and energy metabolic mechanism of mixotrophy in <i>Chromochloris zofingiensis</i> . <i>Biotechnology for Biofuels</i> , 2021, 14, 36.	6.2	40
39	Sesquiterpenoids from <i>Homalomena occulta</i> affect osteoblast proliferation, differentiation and mineralization in vitro. <i>Phytochemistry</i> , 2008, 69, 2367-2373.	1.4	38
40	Trapping Effects of Green and Black Tea Extracts on Peroxidation-Derived Carbonyl Substances of Seal Blubber Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1065-1069.	2.4	38
41	Inhibition of autophagy modulates astaxanthin and total fatty acid biosynthesis in <i>Chlorella zofingiensis</i> under nitrogen starvation. <i>Bioresource Technology</i> , 2018, 247, 610-615.	4.8	38
42	Protein oxidation in muscle-based products: Effects on physicochemical properties, quality concerns, and challenges to food industry. <i>Food Research International</i> , 2022, 157, 111322.	2.9	38
43	2,3,4,4',5'-Pentamethoxy-trans-stilbene, a resveratrol derivative, is a potent inducer of apoptosis in colon cancer cells via targeting microtubules. <i>Biochemical Pharmacology</i> , 2009, 78, 1224-1232.	2.0	37
44	Carboxylesterases 1 and 2 Hydrolyze Phospho-Nonsteroidal Anti-Inflammatory Drugs: Relevance to Their Pharmacological Activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 422-432.	1.3	37
45	6-C-(E-phenylethenyl)naringenin induces cell growth inhibition and cytoprotective autophagy in colon cancer cells. <i>European Journal of Cancer</i> , 2016, 68, 38-50.	1.3	37
46	Curcumin enhances the lung cancer chemopreventive efficacy of phospho-sulindac by improving its pharmacokinetics. <i>International Journal of Oncology</i> , 2013, 43, 895-902.	1.4	31
47	Inhibitory effects of some hydrocolloids on the formation of heterocyclic amines in roast beef. <i>Food Hydrocolloids</i> , 2020, 108, 106073.	5.6	29
48	Resveratrol: Evidence for Its Nephroprotective Effect in Diabetic Nephropathy. <i>Advances in Nutrition</i> , 2020, 11, 1555-1568.	2.9	28
49	Unraveling the inhibitory effect of dihydromyricetin on heterocyclic aromatic amines formation. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 1988-1994.	1.7	27
50	Phosphosulindac (OXT-328) Selectively Targets Breast Cancer Stem Cells In Vitro and in Human Breast Cancer Xenografts. <i>Stem Cells</i> , 2012, 30, 2065-2075.	1.4	26
51	Regioselective oxidation of phospho-NSAIDs by human cytochrome P450 and flavin monooxygenase isoforms: implications for their pharmacokinetic properties and safety. <i>British Journal of Pharmacology</i> , 2012, 167, 222-232.	2.7	25
52	The apple dihydrochalcone phloretin suppresses growth and improves chemosensitivity of breast cancer cells via inhibition of cytoprotective autophagy. <i>Food and Function</i> , 2021, 12, 177-190.	2.1	25
53	Steroidal saponins and ecdysterone from <i>Asparagus filicinus</i> and their cytotoxic activities. <i>Steroids</i> , 2010, 75, 734-739.	0.8	24
54	Application of high pressure processing to improve digestibility, reduce allergenicity, and avoid protein oxidation in cod (<i>Gadus morhua</i>). <i>Food Chemistry</i> , 2019, 298, 125087.	4.2	24

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55	Neuroprotective Potential of Mung Bean (<i>Vigna radiata</i> L.) Polyphenols in Alzheimer's Disease: A Review. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11554-11571.	2.4	24
56	The effect of quercetin on diabetic nephropathy (DN): a systematic review and meta-analysis of animal studies. <i>Food and Function</i> , 2022, 13, 4789-4803.	2.1	24
57	Fucoanthinol from the Diatom <i>Nitzschia Laevis</i> Ameliorates Neuroinflammatory Responses in Lipopolysaccharide-Stimulated BV-2 Microglia. <i>Marine Drugs</i> , 2020, 18, 116.	2.2	23
58	Light induces carotenoids accumulation in a heterotrophic docosahexaenoic acid producing microalga, <i>Cryptocodium</i> sp. SUN. <i>Bioresource Technology</i> , 2019, 276, 177-182.	4.8	21
59	Phospho-aspirin (MDC-22) inhibits breast cancer in preclinical animal models: an effect mediated by EGFR inhibition, p53 acetylation and oxidative stress. <i>BMC Cancer</i> , 2014, 14, 141.	1.1	20
60	Development of an Isotope Dilution UHPLC-QqQ-MS/MS-Based Method for Simultaneous Determination of Typical Advanced Glycation End Products and Acrylamide in Baked and Fried Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 2611-2618.	2.4	19
61	Quantification of nepetalactones in catnip (<i>Nepeta cataria</i> L.) by HPLC coupled with ultraviolet and mass spectrometric detection. <i>Phytochemical Analysis</i> , 2007, 18, 157-160.	1.2	17
62	Sulfur-containing constituents and one 1H-pyrrole-2-carboxylic acid derivative from pineapple [<i>Ananas comosus</i> (L.) Merr.] fruit. <i>Phytochemistry</i> , 2010, 71, 2046-2051.	1.4	17
63	Phospho-NSAIDs Have Enhanced Efficacy in Mice Lacking Plasma Carboxylesterase: Implications for their Clinical Pharmacology. <i>Pharmaceutical Research</i> , 2015, 32, 1663-1675.	1.7	17
64	Screening and identification of inhibitors of advanced glycation endproduct formation from microalgal extracts. <i>Food and Function</i> , 2018, 9, 1683-1691.	2.1	17
65	DHA protects against monosodium urate-induced inflammation through modulation of oxidative stress. <i>Food and Function</i> , 2019, 10, 4010-4021.	2.1	17
66	Topical phospho-sulindac (OXT-328) is effective in the treatment of non-melanoma skin cancer. <i>International Journal of Oncology</i> , 2012, 41, 1199-1203.	1.4	16
67	Phospho-Sulindac (OXT-328) Inhibits the Growth of Human Lung Cancer Xenografts in Mice: Enhanced Efficacy and Mitochondria Targeting by its Formulation in Solid Lipid Nanoparticles. <i>Pharmaceutical Research</i> , 2012, 29, 3090-3101.	1.7	16
68	6-C-(E-Phenylethenyl)Naringenin Attenuates the Stemness of Hepatocellular Carcinoma Cells by Suppressing Wnt/ β -Catenin Signaling. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13939-13947.	2.4	16
69	Oral administration of EGCG solution equivalent to daily achievable dosages of regular tea drinkers effectively suppresses miR483-3p induced metastasis of hepatocellular carcinoma cells in mice. <i>Food and Function</i> , 2021, 12, 3381-3392.	2.1	16
70	Advances in smart delivery of food bioactive compounds using stimuli-responsive carriers: Responsive mechanism, contemporary challenges, and prospects. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 5449-5488.	5.9	15
71	Effects of melamine on the Maillard reaction between lactose and phenylalanine. <i>Food Chemistry</i> , 2010, 119, 1-6.	4.2	14
72	Red Wine High-Molecular-Weight Polyphenolic Complex: An Emerging Modulator of Human Metabolic Disease Risk and Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10907-10919.	2.4	14

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73	Polysaccharide-Zein Composite Nanoparticles for Enhancing Cellular Uptake and Oral Bioavailability of Curcumin: Characterization, Anti-colorectal Cancer Effect, and Pharmacokinetics. <i>Frontiers in Nutrition</i> , 2022, 9, 846282.	1.6	14
74	Antibrowning activity of MRPs in enzyme and fresh-cut apple slice models. <i>Food Chemistry</i> , 2008, 109, 379-385.	4.2	13
75	Aerosol Administration of Phospho-Sulindac Inhibits Lung Tumorigenesis. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1417-1428.	1.9	13
76	Nutritional and functional activities of protein from steamed, baked, and high hydrostatic pressure treated cod (<i>Gadus morhua</i>). <i>Food Control</i> , 2019, 96, 9-15.	2.8	13
77	A comparison of mutagenic PhIP and beneficial 8- <i>C</i> -(<i>E</i> -phenylethenyl)quercetin and 6- <i>C</i> -(<i>E</i> -phenylethenyl)quercetin formation under microwave and conventional heating. <i>Food and Function</i> , 2018, 9, 3853-3859.	2.1	12
78	Kinetic Study and Degradation Mechanism of Glycidyl Esters in both Palm Oil and Chemical Models during High-Temperature Heating. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 15319-15326.	2.4	12
79	Tricoumaroylspermidine from rose exhibits inhibitory activity against ethanol-induced apoptosis in HepG2 cells. <i>Food and Function</i> , 2021, 12, 5892-5902.	2.1	12
80	Investigation of new products of quercetin formed in boiling water via UPLC-Q-TOF-MS-MS analysis. <i>Food Chemistry</i> , 2022, 386, 132747.	4.2	12
81	Direct Trapping of Acrylamide as a Key Mechanism for Niacin's Inhibitory Activity in Carcinogenic Acrylamide Formation. <i>Chemical Research in Toxicology</i> , 2010, 23, 802-807.	1.7	11
82	Comparative in vitro metabolism of phospho-tyrosol-indomethacin by mice, rats and humans. <i>Biochemical Pharmacology</i> , 2013, 85, 1195-1202.	2.0	11
83	Review: Seafood Allergy and Potential Application of High Hydrostatic Pressure to Reduce Seafood Allergenicity. <i>International Journal of Food Engineering</i> , 2019, 15, .	0.7	11
84	A novel potent inhibitor of 2-amino-1-methyl-6-phenylimidazo[4,5-b] pyridine (PhIP) formation from Chinese chive: Identification, inhibitory effect and action mechanism. <i>Food Chemistry</i> , 2021, 345, 128753.	4.2	11
85	Unraveling the molecular targets of natural products: Insights from genomic and proteomic analyses. <i>Proteomics - Clinical Applications</i> , 2008, 2, 338-354.	0.8	10
86	Comparative Proteomic Analysis of Indioside D-Triggered Cell Death in HeLa Cells. <i>Journal of Proteome Research</i> , 2008, 7, 2050-2058.	1.8	10
87	Development and evaluation of a novel nanofibersolosome for enhancing the stability, in vitro bioaccessibility, and colonic delivery of cyanidin-3-O-glucoside. <i>Food Research International</i> , 2021, 149, 110712.	2.9	10
88	Multimechanistic Antidiabetic Potential of Astaxanthin: An Update on Preclinical and Clinical Evidence. <i>Molecular Nutrition and Food Research</i> , 2021, , 2100252.	1.5	10
89	Chitosan and flavonoid glycosides are promising combination partners for enhanced inhibition of heterocyclic amine formation in roast beef. <i>Food Chemistry</i> , 2022, 375, 131859.	4.2	10
90	Hyaluronic Acid-Zein Core-Shell Nanoparticles Improve the Anticancer Effect of Curcumin Alone or in Combination with Oxaliplatin against Colorectal Cancer via CD44-Mediated Cellular Uptake. <i>Molecules</i> , 2022, 27, 1498.	1.7	10

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91	Topically Applied Phospho-Sulindac Hydrogel is Efficacious and Safe in the Treatment of Experimental Arthritis in Rats. <i>Pharmaceutical Research</i> , 2013, 30, 1471-1482.	1.7	9
92	A novel ibuprofen derivative with anti-lung cancer properties: Synthesis, formulation, pharmacokinetic and efficacy studies. <i>International Journal of Pharmaceutics</i> , 2014, 477, 236-243.	2.6	9
93	Chinese chive and Mongolian leek suppress heterocyclic amine formation and enhance nutritional profile of roasted cod. <i>RSC Advances</i> , 2020, 10, 34996-35006.	1.7	9
94	Phospho-Aspirin-2 (MDC-22) Inhibits Estrogen Receptor Positive Breast Cancer Growth Both In Vitro and In Vivo by a Redox-Dependent Effect. <i>PLoS ONE</i> , 2014, 9, e111720.	1.1	9
95	Use of capillary electrophoresis to evaluate protective effects of methylglyoxal scavengers on the activity of creatine kinase. <i>Journal of Separation Science</i> , 2008, 31, 2846-2851.	1.3	7
96	The in vitro metabolism of phospho-sulindac amide, a novel potential anticancer agent. <i>Biochemical Pharmacology</i> , 2014, 91, 249-255.	2.0	5
97	Simultaneous determination of three phytoecdysteroids in the roots of four medicinal plants from the genus <i>Asparagus</i> by HPLC. <i>Phytochemical Analysis</i> , 2009, 20, 58-63.	1.2	4
98	6-C-(E-Phenylethenyl)-naringenin, a Styryl Flavonoid, Inhibits Advanced Glycation End Product-Induced Inflammation by Upregulation of Nrf2. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3842-3851.	2.4	4
99	A novel formation pathway of N ^ε -(carboxyethyl)lysine from lactic acid during high temperature exposure in wheat sourdough bread and chemical model. <i>Food Chemistry</i> , 2022, 388, 132942.	4.2	4
100	Oligostilbenes from <i>Gnetum</i> Species and Anticarcinogenic and Antiinflammatory Activities of Oligostilbenes. <i>ACS Symposium Series</i> , 2008, , 36-58.	0.5	3
101	High-performance liquid chromatographic determination of creatine kinase activity influenced by methylglyoxal. <i>Biomedical Chromatography</i> , 2009, 23, 170-174.	0.8	3
102	Lipid-Lowering Bioactivity of Microalga <i>Nitzschia laevis</i> Extract Containing Fucoxanthin in Murine Model and Carcinomic Hepatocytes. <i>Pharmaceutics</i> , 2021, 14, 1004.	1.7	3
103	In Vitro and In Vivo Metabolic Studies of Phospho-aspirin (MDC-22). <i>Pharmaceutical Research</i> , 2012, 29, 3292-3301.	1.7	2
104	Heterocyclic Amines in Foods: Analytical Methods, Formation Mechanism, and Mitigation Strategies. , 2019, , 107-119.		0