Choon Nam Ong

List of Publications by Year
in descending order

227 papers	16,585 citations	10986 71 h-index	18647 119 g-index
228 all docs	228 docs citations	228 times ranked	28858 citing authors

#	Article	IF	Citations
1	Dual Role of 3-Methyladenine in Modulation of Autophagy via Different Temporal Patterns of Inhibition on Class I and III Phosphoinositide 3-Kinase. Journal of Biological Chemistry, 2010, 285, 10850-10861.	3.4	942
2	AFM indentation study of breast cancer cells. Biochemical and Biophysical Research Communications, 2008, 374, 609-613.	2.1	770
3	Antiâ€cancer properties of anthraquinones from rhubarb. Medicinal Research Reviews, 2007, 27, 609-630.	10.5	483
4	Biodistribution of gold nanoparticles and gene expression changes in the liver and spleen after intravenous administration in rats. Biomaterials, 2010, 31, 2034-2042.	11.4	456
5	Autophagy and oxidative stress associated with gold nanoparticles. Biomaterials, 2010, 31, 5996-6003.	11.4	449
6	Critical roles of intracellular thiols and calcium in parthenolide-induced apoptosis in human colorectal cancer cells. Cancer Letters, 2004, 208, 143-153.	7.2	440
7	Workgroup Report: Public Health Strategies for Reducing Aflatoxin Exposure in Developing Countries. Environmental Health Perspectives, 2006, 114, 1898-1903.	6.0	393
8	Microdevice for the isolation and enumeration of cancer cells from blood. Biomedical Microdevices, 2009, 11, 883-892.	2.8	346
9	Deformability study of breast cancer cells using microfluidics. Biomedical Microdevices, 2009, 11, 557-564.	2.8	273
10	Highly luminescent silver nanoclusters with tunable emissions: cyclic reductionâ€“decomposition synthesis and antimicrobial properties. NPG Asia Materials, 2013, 5, e39-e39.	7.9	237
11	Role of oxidative stress and mitochondrial changes in cyanobacteria-induced apoptosis and hepatotoxicity. FEMS Microbiology Letters, 2003, 220, 1-7.	1.8	233
12	Metabolic Signature Shift in Type 2 Diabetes Mellitus Revealed by Mass Spectrometry-based Metabolomics. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1060-E1065.	3.6	206
13	Activation of the PI3K-Akt-mTOR signaling pathway promotes necrotic cell death via suppression of autophagy. Autophagy, 2009, 5, 824-834.	9.1	200
14	Antioxidant activity and profiles of common fruits in Singapore. Food Chemistry, 2010, 123, 77-84.	8.2	200
15	Degradation of the Common Aqueous Antibiotic Tetracycline using a Carbon Nanotube Electrochemical Filter. Environmental Science & Technology, 2015, 49, 7974-7980.	10.0	200
16	Characterization, purification, and stability of gold nanoparticles. Biomaterials, 2010, 31, 9023-9030.	11.4	198
17	HILICâ€MS for metabolomics: An attractive and complementary approach to RPLCâ€MS. Mass Spectrometry Reviews, 2016, 35, 574-600.	5.4	191
18	Zinc oxide nanoparticles exhibit cytotoxicity and genotoxicity through oxidative stress responses in human lung fibroblasts and Drosophila melanogaster. International Journal of Nanomedicine, 2017, Volume 12, 1621-1637.	6.7	189

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19	Gold Nanoparticles Induce Oxidative Damage in Lung Fibroblasts In Vitro. Advanced Materials, 2008, 20, 138-142.	21.0	182
20	Identification and characterization of major flavonoids and caffeoylquinic acids in three Compositae plants by LC/DAD-APCI/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 848, 215-225.	2.3	169
21	Autophagy plays a protective role during zVAD-induced necrotic cell death. Autophagy, 2008, 4, 457-466.	9.1	165
22	Critical role of pro-apoptotic Bcl-2 family members in andrographolide-induced apoptosis in human cancer cells. Biochemical Pharmacology, 2006, 72, 132-144.	4.4	153
23	Antioxidant activity and profiles of common vegetables in Singapore. Food Chemistry, 2010, 120, 993-1003.	8.2	152
24	Proteomic Analysis of Colorectal Cancer Reveals Alterations in Metabolic Pathways. Molecular and Cellular Proteomics, 2006, 5, 1119-1130.	3.8	139
25	Enhancement of the capabilities of liquid chromatographyâ€“mass spectrometry with derivatization: General principles and applications. Mass Spectrometry Reviews, 2011, 30, 1143-1172.	5.4	135
26	Inhibitory effect of emodin on tumor invasion through suppression of activator protein-1 and nuclear factor-Î¹B. Biochemical Pharmacology, 2004, 68, 361-371.	4.4	128
27	Serum Metabolome and Lipidome Changes in Adult Patients with Primary Dengue Infection. PLoS Neglected Tropical Diseases, 2013, 7, e2373.	3.0	128
28	Metabolic signatures and risk of type 2 diabetes in a Chinese population: an untargeted metabolomics study using both LC-MS and GC-MS. Diabetologia, 2016, 59, 2349-2359.	6.3	127
29	Targeted metabolomics reveals differential biological effects of nanoplastics and nanoZnO in human lung cells. Nanotoxicology, 2019, 13, 1117-1132.	3.0	125
30	Translocation and effects of gold nanoparticles after inhalation exposure in rats. Nanotoxicology, 2007, 1, 235-242.	3.0	121
31	The effect of primary particle size on biodistribution of inhaled gold nano-agglomerates. Biomaterials, 2013, 34, 5439-5452.	11.4	120
32	Emodin Inhibits Tumor Cell Adhesion through Disruption of the Membrane Lipid Raft-Associated Integrin Signaling Pathway. Cancer Research, 2006, 66, 5807-5815.	0.9	117
33	Engineering noble metal nanomaterials for environmental applications. Nanoscale, 2015, 7, 7502-7519.	5.6	116
34	Thymidylate synthase: a novel genetic determinant of plasma homocysteine and folate levels. Human Genetics, 2002, 111, 299-302.	3.8	115
35	Significant Biochemical, Biophysical and Metabolic Diversity in Circulating Human Cord Blood Reticulocytes. PLoS ONE, 2013, 8, e76062.	2.5	114
36	A graphene-based electrochemical filter for water purification. Journal of Materials Chemistry A, 2014, 2, 16554-16562.	10.3	108

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37	Broccoli and watercress suppress matrix metalloproteinase-9 activity and invasiveness of human MDA-MB-231 breast cancer cells. Toxicology and Applied Pharmacology, 2005, 209, 105-113.	2.8	107
38	Andrographolide sensitizes cancer cells to TRAIL-induced apoptosis via p53-mediated death receptor 4 up-regulation. Molecular Cancer Therapeutics, 2008, 7, 2170-2180.	4.1	106
39	Toxicogenomic and Phenotypic Analyses of Bisphenol-A Early-Life Exposure Toxicity in Zebrafish. PLoS ONE, 2011, 6, e28273.	2.5	104
40	Inhibition of the JAK-STAT3 pathway by andrographolide enhances chemosensitivity of cancer cells to doxorubicin. Biochemical Pharmacology, 2010, 79, 1242-1250.	4.4	103
41	A novel function of poly(ADP-ribose) polymerase-1 in modulation of autophagy and necrosis under oxidative stress. Cell Death and Differentiation, 2009, 16, 264-277.	11.2	101
42	Andrographolide sensitizes cisplatin-induced apoptosis via suppression of autophagosome-lysosome fusion in human cancer cells. Autophagy, 2012, 8, 338-349.	9.1	100
43	Suppressed NF-ÂB and sustained JNK activation contribute to the sensitization effect of parthenolide to TNF-Â-induced apoptosis in human cancer cells. Carcinogenesis, 2004, 25, 2191-2199.	2.8	99
44	Pro-inflammatory responses of RAW264.7 macrophages when treated with ultralow concentrations of silver, titanium dioxide, and zinc oxide nanoparticles. Journal of Hazardous Materials, 2015, 297, 146-152.	12.4	99
45	Simultaneous Determination of Tocotrienols, Tocopherols, Retinol, and Major Carotenoids in Human Plasma. Clinical Chemistry, 2003, 49, 2056-2066.	3.2	98
46	A high-throughput and sensitive methodology for the quantification of urinary 8-hydroxy-2â€²-deoxyguanosine: measurement with gas chromatography-mass spectrometry after single solid-phase extraction. Biochemical Journal, 2004, 380, 541-548.	3.7	98
47	Calpain Activation after Mitochondrial Permeability Transition in Microcystin-Induced Cell Death in Rat Hepatocytes. Biochemical and Biophysical Research Communications, 2002, 291, 321-331.	2.1	97
48	Luteolin sensitizes tumor necrosis factor-Î±-induced apoptosis in human tumor cells. Oncogene, 2004, 23, 7712-7721.	5.9	95
49	Peroxyl Radical Scavenging Capacity, Polyphenolics, and Lipophilic Antioxidant Profiles of Mulberry Fruits Cultivated in Southern China. Journal of Agricultural and Food Chemistry, 2008, 56, 9410-9416.	5.2	95
50	Protein Kinase C Inhibition and X-Linked Inhibitor of Apoptosis Protein Degradation Contribute to the Sensitization Effect of Luteolin on Tumor Necrosis Factorâ€“Related Apoptosis-Inducing Ligandâ€“Induced Apoptosis in Cancer Cells. Cancer Research, 2005, 65, 7815-7823.	0.9	93
51	Metabolomics Reveals Altered Metabolic Pathways in Experimental Asthma. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 204-211.	2.9	92
52	Metabolomics Investigation Reveals Metabolite Mediators Associated with Acute Lung Injury and Repair in a Murine Model of Influenza Pneumonia. Scientific Reports, 2016, 6, 26076.	3.3	90
53	Profiling of Phenolic Compounds and Antioxidant Activity of 12 Cruciferous Vegetables. Molecules, 2018, 23, 1139.	3.8	90
54	Chrysin sensitizes tumor necrosis factor-Î±-induced apoptosis in human tumor cells via suppression of nuclear factor-kappaB. Cancer Letters, 2010, 293, 109-116.	7.2	89

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55	Rapid adsorption removal of arsenate by hydrous cerium oxideâ€“graphene composite. RSC Advances, 2015, 5, 64983-64990.	3.6	89
56	Gold nanocluster sensitized TiO₂nanotube arrays for visible-light driven photoelectrocatalytic removal of antibiotic tetracycline. Nanoscale, 2016, 8, 10145-10151.	5.6	87
57	Hydrogen sulfide protects colon cancer cells from chemopreventative agent Î²-phenylethyl isothiocyanate induced apoptosis. World Journal of Gastroenterology, 2005, 11, 3990.	3.3	87
58	Role of intracellular thiol depletion, mitochondrial dysfunction and reactive oxygen species in Salvia Miltiorrhiza-induced apoptosis in human hepatoma HepG2 cells. Life Sciences, 2001, 69, 1833-1850.	4.3	86
59	Prediagnostic Level of Serum Retinol in Relation to Reduced Risk of Hepatocellular Carcinoma. Journal of the National Cancer Institute, 2006, 98, 482-490.	6.3	83
60	Acetylcarnitine Is a Candidate Diagnostic and Prognostic Biomarker of Hepatocellular Carcinoma. Cancer Research, 2016, 76, 2912-2920.	0.9	83
61	Luteolin sensitizes the anticancer effect of cisplatin via c-Jun NH2-terminal kinaseâ€“mediated p53 phosphorylation and stabilization. Molecular Cancer Therapeutics, 2007, 6, 1338-1347.	4.1	82
62	The induction of epigenetic regulation of PROS1 gene in lung fibroblasts by gold nanoparticles and implications for potential lung injury. Biomaterials, 2011, 32, 7609-7615.	11.4	81
63	Nitrogen-doped graphene nanosheets as reactive water purification membranes. Nano Research, 2016, 9, 1983-1993.	10.4	81
64	Oxidative stress by inorganic nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2016, 8, 414-438.	6.1	80
65	Metabolic profiling in colorectal cancer reveals signature metabolic shifts during tumorigenesis. Molecular and Cellular Proteomics, 2010, , .	3.8	79
66	Anti-malarial drug artesunate ameliorates oxidative lung damage in experimental allergic asthma. Free Radical Biology and Medicine, 2012, 53, 498-507.	2.9	79
67	Electrochemical wastewater treatment with carbon nanotube filters coupled with in situ generated H₂O₂. Environmental Science: Water Research and Technology, 2015, 1, 769-778.	2.4	78
68	Involvement of proapoptotic Bcl-2 family members in parthenolide-induced mitochondrial dysfunction and apoptosis. Cancer Letters, 2004, 211, 175-188.	7.2	77
69	Synthesis of Ferromagnetic Fe_{0.6}Mn_{0.4}O Nanoflowers as a New Class of Magnetic Theranostic Platform for In Vivo T₁â€T₂ Dualâ€Mode Magnetic Resonance Imaging and Magnetic Hyperthermia Therapy. Advanced Healthcare Materials, 2016, 5, 2092-2104.	7.6	75
70	Association between serum heavy metals and prostate cancer risk â€“ A multiple metal analysis. Environment International, 2019, 132, 105109.	10.0	75
71	A multi-analytical approach for metabolomic profiling of zebrafish (Danio rerio) livers. Molecular BioSystems, 2009, 5, 288-298.	2.9	74
72	Clathrinâ€Mediated Endocytosis of Gold Nanoparticles In Vitro. Anatomical Record, 2015, 298, 418-427.	1.4	74

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73	Î²-Phenylethyl and 8-methylsulphinyloctyl isothiocyanates, constituents of watercress, suppress LPS induced production of nitric oxide and prostaglandin E2 in RAW 264.7 macrophages. Nitric Oxide - Biology and Chemistry, 2005, 12, 237-243.	2.7	72
74	Identifying Early Urinary Metabolic Changes with Long-Term Environmental Exposure to Cadmium by Mass-Spectrometry-Based Metabolomics. Environmental Science & Technology, 2014, 48, 6409-6418.	10.0	72
75	Luteolin induces G1 arrest in human nasopharyngeal carcinoma cells via the Aktâ€“GSK-3Î²â€“Cyclin D1 pathway. Cancer Letters, 2010, 298, 167-175.	7.2	69
76	A metabolomic study of low estimated GFR in non-proteinuric type 2 diabetes mellitus. Diabetologia, 2012, 55, 499-508.	6.3	69
77	Serum Metabolomics Reveals Serotonin as a Predictor of Severe Dengue in the Early Phase of Dengue Fever. PLoS Neglected Tropical Diseases, 2016, 10, e0004607.	3.0	69
78	Genomic instability of gold nanoparticle treated human lung fibroblast cells. Biomaterials, 2011, 32, 5515-5523.	11.4	68
79	Recent developments and applications of metabolomics in microbiological investigations. TrAC - Trends in Analytical Chemistry, 2014, 56, 37-48.	11.4	68
80	Profiling of Plasma Metabolites Suggests Altered Mitochondrial Fuel Usage and Remodeling of Sphingolipid Metabolism in Individuals With TypeÂ2 Diabetes and Kidney Disease. Kidney International Reports, 2017, 2, 470-480.	0.8	68
81	Chemopreventive activity of parthenolide against UVB-induced skin cancer and its mechanisms. Carcinogenesis, 2004, 25, 1449-1458.	2.8	65
82	Critical role of oxidative stress and sustained JNK activation in aloe-emodin-mediated apoptotic cell death in human hepatoma cells. Carcinogenesis, 2007, 28, 1937-1945.	2.8	64
83	Emerging Contaminants and the Implications for Drinking Water. International Journal of Water Resources Development, 2012, 28, 247-263.	2.0	63
84	Nickel exposure is associated with the prevalence of type 2 diabetes in Chinese adults. International Journal of Epidemiology, 2015, 44, 240-248.	1.9	62
85	Reduced mitochondrial coenzyme Q10 levels in HepG2 cells treated with high-dose simvastatin: A possible role in statin-induced hepatotoxicity?. Toxicology and Applied Pharmacology, 2007, 223, 173-179.	2.8	59
86	Determination of senkirkine and senecionine in Tussilago farfara using microwave-assisted extraction and pressurized hot water extraction with liquid chromatography tandem mass spectrometry. Talanta, 2009, 79, 539-546.	5.5	59
87	Chrysin promotes tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) induced apoptosis in human cancer cell lines. Toxicology in Vitro, 2011, 25, 630-635.	2.4	59
88	Metabolic responses of the growing Daphnia similis to chronic AgNPs exposure as revealed by GC-Q-TOF/MS and LC-Q-TOF/MS. Water Research, 2017, 114, 135-143.	11.3	58
89	Biological effect of aqueous C60 aggregates on Scenedesmus obliquus revealed by transcriptomics and non-targeted metabolomics. Journal of Hazardous Materials, 2017, 324, 221-229.	12.4	58
90	Epigenetic mechanisms in nanomaterial-induced toxicity. Epigenomics, 2015, 7, 395-411.	2.1	57

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91	Oxidative burden in prediabetic and diabetic individuals: evidence from plasma coenzyme Q10. Diabetic Medicine, 2006, 23, 1344-1349.	2.3	56
92	Detection of Lung Cancer: Concomitant Volatile Organic Compounds and Metabolomic Profiling of Six Cancer Cell Lines of Different Histological Origins. ACS Omega, 2018, 3, 5131-5140.	3.5	56
93	Exploratory investigation of plasma metabolomics in human lung adenocarcinoma. Molecular BioSystems, 2013, 9, 2370.	2.9	54
94	Toxicity profiling of water contextual zinc oxide, silver, and titanium dioxide nanoparticles in human oral and gastrointestinal cell systems. Environmental Toxicology, 2015, 30, 1459-1469.	4.0	54
95	Metabolomics of developing zebrafish embryos using gas chromatography- and liquid chromatography-mass spectrometry. Molecular BioSystems, 2013, 9, 1372.	2.9	53
96	A genome-wide association study of n-3 and n-6 plasma fatty acids in a Singaporean Chinese population. Genes and Nutrition, 2015, 10, 53.	2.5	53
97	Microcystis aeruginosa removal by peroxides of hydrogen peroxide, peroxymonosulfate and peroxydisulfate without additional activators. Water Research, 2021, 201, 117263.	11.3	53
98	Biomarkers for Male Reproductive health hazards: Are they available?. Toxicology Letters, 2002, 134, 17-30.	0.8	52
99	Hepatitis B virus infection contributes to oxidative stress in a population exposed to aflatoxin B1 and high-risk for hepatocellular carcinoma. Cancer Letters, 2008, 263, 212-222.	7.2	52
100	Relative Validity and Reproducibility of a Food Frequency Questionnaire for Assessing Dietary Intakes in a Multi-Ethnic Asian Population Using 24-h Dietary Recalls and Biomarkers. Nutrients, 2017, 9, 1059.	4.1	52
101	Coenzyme Q10 and differences in coronary heart disease risk in Asian Indians and Chinese. Free Radical Biology and Medicine, 2002, 32, 132-138.	2.9	51
102	Metabonomics investigation of human urine after ingestion of green tea with gas chromatography/mass spectrometry, liquid chromatography/mass spectrometry and ¹H NMR spectroscopy. Rapid Communications in Mass Spectrometry, 2008, 22, 2436-2446.	1.5	51
103	Experiment-originated variations, and multi-peak and multi-origination phenomena in derivatization-based GC-MS metabolomics. TrAC - Trends in Analytical Chemistry, 2010, 29, 269-280.	11.4	47
104	Medical Students' Exposure to Formaldehyde in a Gross Anatomy Dissection Laboratory. Journal of American College Health, 1992, 41, 115-119.	1.5	46
105	Uracil in DNA, determined by an improved assay, is increased when deoxynucleosides are added to folate-deficient cultured human lymphocytes. Analytical Biochemistry, 2004, 330, 58-69.	2.4	46
106	Coating Engineering of MnFe₂O₄ Nanoparticles with Superhigh T₂ Relaxivity and Efficient Cellular Uptake for Highly Sensitive Magnetic Resonance Imaging. Advanced Materials Interfaces, 2014, 1, 1300069.	3.7	46
107	Effect ofSalvia miltiorrhizaon aflatoxin B1-induced oxidative stress in cultured rat hepatocytes. Free Radical Research, 1999, 31, 559-568.	3.3	45
108	Plasma carotenoids and risk of acute myocardial infarction in the Singapore Chinese Health Study. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 685-690.	2.6	45

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109	Metabolite changes behind faster growth and less reproduction of Daphnia similis exposed to low-dose silver nanoparticles. Ecotoxicology and Environmental Safety, 2018, 163, 266-273.	6.0	43
110	Vitamin E Isoform Î³-Tocotrienol Downregulates House Dust Miteâ€“Induced Asthma. Journal of Immunology, 2015, 195, 437-444.	0.8	42
111	Combination of orthogonal array design and overlapping resolution mapping for optimizing the separation of heterocyclic amines by capillary zone electrophoresis. Journal of Chromatography A, 1995, 709, 351-359.	3.7	41
112	Use of an integrated metabolomics platform for mechanistic investigations of three commonly used algaecides on cyanobacterium, Microcystis aeruginosa. Journal of Hazardous Materials, 2019, 367, 120-127.	12.4	41
113	Capillary Zone Electrophoretic Determination of Heterocyclic Aromatic Amines in Rain. Journal of Chromatographic Science, 1995, 33, 712-716.	1.4	40
114	Use of liquid chromatography/tandem mass spectrometry and online databases for identification of phosphocholines and lysophosphatidylcholines in human red blood cells. Rapid Communications in Mass Spectrometry, 2009, 23, 3243-3254.	1.5	40
115	Impacts of peat-forest smoke on urban PM2.5 in the Maritime Continent during 2012â€“2015: Carbonaceous profiles and indicators. Environmental Pollution, 2019, 248, 496-505.	7.5	40
116	Serum Amino Acids in Association with Prevalent and Incident Type 2 Diabetes in A Chinese Population. Metabolites, 2019, 9, 14.	2.9	40
117	Î²-Phenylethyl isothiocyanate mediated apoptosis; contribution of Bax and the mitochondrial death pathway. International Journal of Biochemistry and Cell Biology, 2005, 37, 100-119.	2.8	39
118	The effect of coenzyme Q10 on microcirculatory endothelial function of subjects with type 2 diabetes mellitus. Atherosclerosis, 2008, 196, 966-969.	0.8	39
119	Multiorigination of Chromatographic Peaks in Derivatized GC/MS Metabolomics: A Confounder That Influences Metabolic Pathway Interpretation. Journal of Proteome Research, 2009, 8, 5657-5665.	3.7	39
120	Occurrence of Regulated and Emerging Iodinated DBPs in the Shanghai Drinking Water. PLoS ONE, 2013, 8, e59677.	2.5	39
121	Intracellular glutathione is a cofactor in methylseleninic acid-induced apoptotic cell death of human hepatoma HEPG2 cells. Free Radical Biology and Medicine, 2002, 33, 552-561.	2.9	38
122	Mitochondrial damage by the â€œpro-oxidantâ€•peroxisomal proliferator clofibrate. Free Radical Biology and Medicine, 1999, 27, 1095-1102.	2.9	37
123	Down-regulation of c-FLIP contributes to the sensitization effect of 3,3â€²-diindolylmethane on TRAIL-induced apoptosis in cancer cells. Molecular Cancer Therapeutics, 2005, 4, 1972-1981.	4.1	37
124	Simultaneous Quantification of 22 Glucosinolates in 12 Brassicaceae Vegetables by Hydrophilic Interaction Chromatographyâ€“Tandem Mass Spectrometry. ACS Omega, 2018, 3, 15546-15553.	3.5	37
125	Comparison of hepatic and serum lipid signatures in hepatocellular carcinoma patients leads to the discovery of diagnostic and prognostic biomarkers. Oncotarget, 2018, 9, 5032-5043.	1.8	36
126	Plasma fatty acids, oxylipins, and risk of myocardial infarction: the Singapore Chinese Health Study. Journal of Lipid Research, 2016, 57, 1300-1307.	4.2	35

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127	Comprehensive high-performance liquid chromatographic method for the measurements of lipophilic antioxidants in human plasma. Journal of Chromatography A, 2009, 1216, 3131-3137.	3.7	34
128	Biological monitoring of kidney function among workers occupationally exposed to trichloroethylene. Occupational and Environmental Medicine, 2004, 61, 312-317.	2.8	33
129	Metabolomics Studies Show Doseâ€Dependent Toxicity Induced by SiO₂ Nanoparticles in MRCâ€5 Human Fetal Lung Fibroblasts. Advanced Healthcare Materials, 2012, 1, 779-784.	7.6	33
130	Metabolomics Reveals Inflammatory-Linked Pulmonary Metabolic Alterations in a Murine Model of House Dust Mite-Induced Allergic Asthma. Journal of Proteome Research, 2014, 13, 3771-3782.	3.7	33
131	Does High-Dose Coenzyme Q₁₀ Improve Oxidative Damage and Clinical Outcomes in Parkinson's Disease?. Antioxidants and Redox Signaling, 2014, 21, 211-217.	5.4	31
132	Dietary predictors and plasma concentrations of perfluorinated alkyl acids in a Singapore population. Chemosphere, 2017, 171, 617-624.	8.2	31
133	Protection of Salvia Miltiorrhiza against aflatoxin-B1-induced hepatocarcinogenesis in Fischer 344 rats. Life Sciences, 2001, 69, 309-326.	4.3	30
134	Hypericin photoactivation triggers down-regulation of matrix metalloproteinase-9 expression in well-differentiated human nasopharyngeal cancer cells. Cellular and Molecular Life Sciences, 2007, 64, 979-988.	5.4	30
135	Toxicological profile of small airway epithelial cells exposed to gold nanoparticles. Experimental Biology and Medicine, 2013, 238, 1355-1361.	2.4	30
136	Impact of flow rate on corrosion of cast iron and quality of re-mineralized seawater reverse osmosis (SWRO) membrane product water. Desalination, 2013, 322, 76-83.	8.2	29
137	Growth and glucosinolate profiles of a common Asian green leafy vegetable, Brassica rapa subsp. chinensis var. parachinensis (choy sum), under LED lighting. Scientia Horticulturae, 2020, 261, 108922.	3.6	29
138	Qualitative and quantitative analysis of toosendanin inMelia toosendan Sieb. Et Zucc (Meliaceae) with liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 589-598.	1.5	28
139	Associations between Urinary Excretion of Cadmium and Renal Biomarkers in Nonsmoking Females: A Cross-Sectional Study in Rural Areas of South China. International Journal of Environmental Research and Public Health, 2015, 12, 11988-12001.	2.6	27
140	Associations of serum organohalogen levels and prostate cancer risk: Results from a caseâ€“control study in Singapore. Chemosphere, 2016, 144, 1505-1512.	8.2	27
141	Consumption of Red Meat, but Not Cooking Oils High in Polyunsaturated Fat, Is Associated with Higher Arachidonic Acid Status in Singapore Chinese Adults. Nutrients, 2017, 9, 101.	4.1	27
142	Serum Lipids in Association With Type 2 Diabetes Risk and Prevalence in a Chinese Population. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 671-680.	3.6	27
143	Metabolites change of Scenedesmus obliquus exerted by AgNPs. Journal of Environmental Sciences, 2019, 76, 310-318.	6.1	27
144	Caloric restriction prevents oxidative damage induced by the carcinogen clofibrate in mouse liver. FEBS Letters, 2000, 473, 85-88.	2.8	26

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145	Monomeric C18 chromatographic method for the liquid chromatographic determination of lipophilic antioxidants in plants. Journal of Chromatography A, 2004, 1048, 263-267.	3.7	26
146	Association of blood lead and homocysteine levels among lead exposed subjects in Vietnam and Singapore. Occupational and Environmental Medicine, 2007, 64, 688-693.	2.8	26
147	Anticancer effects of aloe-emodin on HepG2 cells: Cellular and proteomic studies. Proteomics - Clinical Applications, 2007, 1, 410-419.	1.6	26
148	Untargeted Proteomics and Systems-Based Mechanistic Investigation of Artesunate in Human Bronchial Epithelial Cells. Chemical Research in Toxicology, 2015, 28, 1903-1913.	3.3	26
149	Characterization of Plant Volatiles Reveals Distinct Metabolic Profiles and Pathways among 12 Brassicaceae Vegetables. Metabolites, 2018, 8, 94.	2.9	26
150	Nutritional metabolites in Brassica rapa subsp. chinensis var. parachinensis (choy sum) at three different growth stages: Microgreen, seedling and adult plant. Food Chemistry, 2021, 357, 129535.	8.2	26
151	?-Phenylethyl isothiocyanate mediated apoptosis: A proteomic investigation of early apoptotic protein changes. Proteomics, 2005, 5, 1075-1082.	2.2	25
152	Evaluation of oxidative stress in a group of adolescents exposed to a high level of aflatoxin B1 a multi-center and multi-biomarker study. Carcinogenesis, 2007, 28, 2347-2354.	2.8	25
153	Impact of seawater reverse osmosis (SWRO) product remineralization on the corrosion rate of water distribution pipeline materials. Desalination, 2013, 311, 54-61.	8.2	25
154	Serum Metabolomics Investigation of Humanized Mouse Model of Dengue Virus Infection. Journal of Virology, 2017, 91, .	3.4	25
155	Meat and Seafood Consumption in Relation to Plasma Metabolic Profiles in a Chinese Population: A Combined Untargeted and Targeted Metabolomics Study. Nutrients, 2017, 9, 683.	4.1	25
156	Serum metabolome changes in adult patients with severe dengue in the critical and recovery phases of dengue infection. PLoS Neglected Tropical Diseases, 2018, 12, e0006217.	3.0	25
157	Converting Okara to Superabsorbent Hydrogels as Soil Supplements for Enhancing the Growth of Choy Sum (Brassica sp.) under Water-Limited Conditions. ACS Sustainable Chemistry and Engineering, 2020, 8, 9425-9433.	6.7	25
158	Metabolic Profiling of Plasma from Benign and Malignant Pulmonary Nodules Patients Using Mass Spectrometry-Based Metabolomics. Metabolites, 2013, 3, 539-551.	2.9	24
159	Urine phyto-oestrogen metabolites are not significantly associated with risk of type 2 diabetes: the Singapore Chinese health study. British Journal of Nutrition, 2016, 115, 1607-1615.	2.3	24
160	Oxidative DNA damage in peripheral leukocytes and its association with expression and polymorphisms of hOGG1: A study of adolescents in a high risk region for hepatocellular carcinoma in China. World Journal of Gastroenterology, 2003, 9, 2186.	3.3	24
161	Exploratory investigation reveals parallel alteration of plasma fatty acids and eicosanoids in coronary artery disease patients. Prostaglandins and Other Lipid Mediators, 2013, 106, 29-36.	1.9	23
162	Multidimensional Information-Based HPLC Technologies to Evaluate Traditional Chinese Medicine. Journal of Chromatographic Science, 2013, 51, 716-725.	1.4	23

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