

# Choon Nam Ong

## List of Publications by Year in descending order

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227  
papers

16,585  
citations

10956

71  
h-index

18606

119  
g-index

228  
all docs

228  
docs citations

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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. <i>Journal of Biological Chemistry</i> , 2010, 285, 10850-10861.	1.6	942
2	AFM indentation study of breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 609-613.	1.0	770
3	Anti-cancer properties of anthraquinones from rhubarb. <i>Medicinal Research Reviews</i> , 2007, 27, 609-630.	5.0	483
4	Biodistribution of gold nanoparticles and gene expression changes in the liver and spleen after intravenous administration in rats. <i>Biomaterials</i> , 2010, 31, 2034-2042.	5.7	456
5	Autophagy and oxidative stress associated with gold nanoparticles. <i>Biomaterials</i> , 2010, 31, 5996-6003.	5.7	449
6	Critical roles of intracellular thiols and calcium in parthenolide-induced apoptosis in human colorectal cancer cells. <i>Cancer Letters</i> , 2004, 208, 143-153.	3.2	440
7	Workgroup Report: Public Health Strategies for Reducing Aflatoxin Exposure in Developing Countries. <i>Environmental Health Perspectives</i> , 2006, 114, 1898-1903.	2.8	393
8	Microdevice for the isolation and enumeration of cancer cells from blood. <i>Biomedical Microdevices</i> , 2009, 11, 883-892.	1.4	346
9	Deformability study of breast cancer cells using microfluidics. <i>Biomedical Microdevices</i> , 2009, 11, 557-564.	1.4	273
10	Highly luminescent silver nanoclusters with tunable emissions: cyclic reductionâ€“decomposition synthesis and antimicrobial properties. <i>NPG Asia Materials</i> , 2013, 5, e39-e39.	3.8	237
11	Role of oxidative stress and mitochondrial changes in cyanobacteria-induced apoptosis and hepatotoxicity. <i>FEMS Microbiology Letters</i> , 2003, 220, 1-7.	0.7	233
12	Metabolic Signature Shift in Type 2 Diabetes Mellitus Revealed by Mass Spectrometry-based Metabolomics. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1060-E1065.	1.8	206
13	Activation of the PI3K-Akt-mTOR signaling pathway promotes necrotic cell death via suppression of autophagy. <i>Autophagy</i> , 2009, 5, 824-834.	4.3	200
14	Antioxidant activity and profiles of common fruits in Singapore. <i>Food Chemistry</i> , 2010, 123, 77-84.	4.2	200
15	Degradation of the Common Aqueous Antibiotic Tetracycline using a Carbon Nanotube Electrochemical Filter. <i>Environmental Science &amp; Technology</i> , 2015, 49, 7974-7980.	4.6	200
16	Characterization, purification, and stability of gold nanoparticles. <i>Biomaterials</i> , 2010, 31, 9023-9030.	5.7	198
17	HILICâ€“MS for metabolomics: An attractive and complementary approach to RPLCâ€“MS. <i>Mass Spectrometry Reviews</i> , 2016, 35, 574-600.	2.8	191
18	Zinc oxide nanoparticles exhibit cytotoxicity and genotoxicity through oxidative stress responses in human lung fibroblasts and <i>Drosophila melanogaster</i> . <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 1621-1637.	3.3	189

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19	Gold Nanoparticles Induce Oxidative Damage in Lung Fibroblasts In Vitro. <i>Advanced Materials</i> , 2008, 20, 138-142.	11.1	182
20	Identification and characterization of major flavonoids and caffeoylquinic acids in three Compositae plants by LC/DAD-APCI/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 848, 215-225.	1.2	169
21	Autophagy plays a protective role during zVAD-induced necrotic cell death. <i>Autophagy</i> , 2008, 4, 457-466.	4.3	165
22	Critical role of pro-apoptotic Bcl-2 family members in andrographolide-induced apoptosis in human cancer cells. <i>Biochemical Pharmacology</i> , 2006, 72, 132-144.	2.0	153
23	Antioxidant activity and profiles of common vegetables in Singapore. <i>Food Chemistry</i> , 2010, 120, 993-1003.	4.2	152
24	Proteomic Analysis of Colorectal Cancer Reveals Alterations in Metabolic Pathways. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1119-1130.	2.5	139
25	Enhancement of the capabilities of liquid chromatography-mass spectrometry with derivatization: General principles and applications. <i>Mass Spectrometry Reviews</i> , 2011, 30, 1143-1172.	2.8	135
26	Inhibitory effect of emodin on tumor invasion through suppression of activator protein-1 and nuclear factor- $\kappa$ B. <i>Biochemical Pharmacology</i> , 2004, 68, 361-371.	2.0	128
27	Serum Metabolome and Lipidome Changes in Adult Patients with Primary Dengue Infection. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2373.	1.3	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. <i>Diabetologia</i> , 2016, 59, 2349-2359.	2.9	127
29	Targeted metabolomics reveals differential biological effects of nanoplastics and nanoZnO in human lung cells. <i>Nanotoxicology</i> , 2019, 13, 1117-1132.	1.6	125
30	Translocation and effects of gold nanoparticles after inhalation exposure in rats. <i>Nanotoxicology</i> , 2007, 1, 235-242.	1.6	121
31	The effect of primary particle size on biodistribution of inhaled gold nano-agglomerates. <i>Biomaterials</i> , 2013, 34, 5439-5452.	5.7	120
32	Emodin Inhibits Tumor Cell Adhesion through Disruption of the Membrane Lipid Raft-Associated Integrin Signaling Pathway. <i>Cancer Research</i> , 2006, 66, 5807-5815.	0.4	117
33	Engineering noble metal nanomaterials for environmental applications. <i>Nanoscale</i> , 2015, 7, 7502-7519.	2.8	116
34	Thymidylate synthase: a novel genetic determinant of plasma homocysteine and folate levels. <i>Human Genetics</i> , 2002, 111, 299-302.	1.8	115
35	Significant Biochemical, Biophysical and Metabolic Diversity in Circulating Human Cord Blood Reticulocytes. <i>PLoS ONE</i> , 2013, 8, e76062.	1.1	114
36	A graphene-based electrochemical filter for water purification. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16554-16562.	5.2	108

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37	Broccoli and watercress suppress matrix metalloproteinase-9 activity and invasiveness of human MDA-MB-231 breast cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2005, 209, 105-113.	1.3	107
38	Andrographolide sensitizes cancer cells to TRAIL-induced apoptosis via p53-mediated death receptor 4 up-regulation. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2170-2180.	1.9	106
39	Toxicogenomic and Phenotypic Analyses of Bisphenol-A Early-Life Exposure Toxicity in Zebrafish. <i>PLoS ONE</i> , 2011, 6, e28273.	1.1	104
40	Inhibition of the JAK-STAT3 pathway by andrographolide enhances chemosensitivity of cancer cells to doxorubicin. <i>Biochemical Pharmacology</i> , 2010, 79, 1242-1250.	2.0	103
41	A novel function of poly(ADP-ribose) polymerase-1 in modulation of autophagy and necrosis under oxidative stress. <i>Cell Death and Differentiation</i> , 2009, 16, 264-277.	5.0	101
42	Andrographolide sensitizes cisplatin-induced apoptosis via suppression of autophagosome-lysosome fusion in human cancer cells. <i>Autophagy</i> , 2012, 8, 338-349.	4.3	100
43	Suppressed NF- $\kappa$ B and sustained JNK activation contribute to the sensitization effect of parthenolide to TNF- $\alpha$ -induced apoptosis in human cancer cells. <i>Carcinogenesis</i> , 2004, 25, 2191-2199.	1.3	99
44	Pro-inflammatory responses of RAW264.7 macrophages when treated with ultralow concentrations of silver, titanium dioxide, and zinc oxide nanoparticles. <i>Journal of Hazardous Materials</i> , 2015, 297, 146-152.	6.5	99
45	Simultaneous Determination of Tocotrienols, Tocopherols, Retinol, and Major Carotenoids in Human Plasma. <i>Clinical Chemistry</i> , 2003, 49, 2056-2066.	1.5	98
46	A high-throughput and sensitive methodology for the quantification of urinary 8-hydroxy-2'-deoxyguanosine: measurement with gas chromatography-mass spectrometry after single solid-phase extraction. <i>Biochemical Journal</i> , 2004, 380, 541-548.	1.7	98
47	Calpain Activation after Mitochondrial Permeability Transition in Microcystin-Induced Cell Death in Rat Hepatocytes. <i>Biochemical and Biophysical Research Communications</i> , 2002, 291, 321-331.	1.0	97
48	Luteolin sensitizes tumor necrosis factor- $\alpha$ -induced apoptosis in human tumor cells. <i>Oncogene</i> , 2004, 23, 7712-7721.	2.6	95
49	Peroxy Radical Scavenging Capacity, Polyphenolics, and Lipophilic Antioxidant Profiles of Mulberry Fruits Cultivated in Southern China. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 9410-9416.	2.4	95
50	Protein Kinase C Inhibition and X-Linked Inhibitor of Apoptosis Protein Degradation Contribute to the Sensitization Effect of Luteolin on Tumor Necrosis Factor- $\alpha$ -Related Apoptosis-Inducing Ligand-Induced Apoptosis in Cancer Cells. <i>Cancer Research</i> , 2005, 65, 7815-7823.	0.4	93
51	Metabolomics Reveals Altered Metabolic Pathways in Experimental Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 48, 204-211.	1.4	92
52	Metabolomics Investigation Reveals Metabolite Mediators Associated with Acute Lung Injury and Repair in a Murine Model of Influenza Pneumonia. <i>Scientific Reports</i> , 2016, 6, 26076.	1.6	90
53	Profiling of Phenolic Compounds and Antioxidant Activity of 12 Cruciferous Vegetables. <i>Molecules</i> , 2018, 23, 1139.	1.7	90
54	Chrysin sensitizes tumor necrosis factor- $\alpha$ -induced apoptosis in human tumor cells via suppression of nuclear factor-kappaB. <i>Cancer Letters</i> , 2010, 293, 109-116.	3.2	89

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55	Rapid adsorption removal of arsenate by hydrous cerium oxide-graphene composite. RSC Advances, 2015, 5, 64983-64990.	1.7	89
56	Gold nanocluster sensitized TiO <sub>2</sub> nanotube arrays for visible-light driven photoelectrocatalytic removal of antibiotic tetracycline. Nanoscale, 2016, 8, 10145-10151.	2.8	87
57	Hydrogen sulfide protects colon cancer cells from chemopreventative agent Î²-phenylethyl isothiocyanate induced apoptosis. World Journal of Gastroenterology, 2005, 11, 3990.	1.4	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.	2.0	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.	3.0	83
60	Acetylcarnitine Is a Candidate Diagnostic and Prognostic Biomarker of Hepatocellular Carcinoma. Cancer Research, 2016, 76, 2912-2920.	0.4	83
61	Luteolin sensitizes the anticancer effect of cisplatin via c-Jun NH2-terminal kinase-mediated p53 phosphorylation and stabilization. Molecular Cancer Therapeutics, 2007, 6, 1338-1347.	1.9	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.	5.7	81
63	Nitrogen-doped graphene nanosheets as reactive water purification membranes. Nano Research, 2016, 9, 1983-1993.	5.8	81
64	Oxidative stress by inorganic nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2016, 8, 414-438.	3.3	80
65	Metabolic profiling in colorectal cancer reveals signature metabolic shifts during tumorigenesis. Molecular and Cellular Proteomics, 2010, , .	2.5	79
66	Anti-malarial drug artesunate ameliorates oxidative lung damage in experimental allergic asthma. Free Radical Biology and Medicine, 2012, 53, 498-507.	1.3	79
67	Electrochemical wastewater treatment with carbon nanotube filters coupled with in situ generated H <sub>2</sub> O <sub>2</sub> . Environmental Science: Water Research and Technology, 2015, 1, 769-778.	1.2	78
68	Involvement of proapoptotic Bcl-2 family members in parthenolide-induced mitochondrial dysfunction and apoptosis. Cancer Letters, 2004, 211, 175-188.	3.2	77
69	Synthesis of Ferromagnetic Fe <sub>0.6</sub> Mn <sub>0.4</sub> O Nanoflowers as a New Class of Magnetic Theranostic Platform for In Vivo T <sub>1</sub> -Dual-Mode Magnetic Resonance Imaging and Magnetic Hyperthermia Therapy. Advanced Healthcare Materials, 2016, 5, 2092-2104.	3.9	75
70	Association between serum heavy metals and prostate cancer risk - A multiple metal analysis. Environment International, 2019, 132, 105109.	4.8	75
71	A multi-analytical approach for metabolomic profiling of zebrafish (Danio rerio) livers. Molecular BioSystems, 2009, 5, 288-298.	2.9	74
72	Clathrin-Mediated Endocytosis of Gold Nanoparticles <i>In Vitro</i>. Anatomical Record, 2015, 298, 418-427.	0.8	74

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73	Î²-Phenylethyl and 8-methylsulphonyloctyl isothiocyanates, constituents of watercress, suppress LPS induced production of nitric oxide and prostaglandin E2 in RAW 264.7 macrophages. <i>Nitric Oxide - Biology and Chemistry</i> , 2005, 12, 237-243.	1.2	72
74	Identifying Early Urinary Metabolic Changes with Long-Term Environmental Exposure to Cadmium by Mass-Spectrometry-Based Metabolomics. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6409-6418.	4.6	72
75	Luteolin induces G1 arrest in human nasopharyngeal carcinoma cells via the Akt-GSK-3β-Cyclin D1 pathway. <i>Cancer Letters</i> , 2010, 298, 167-175.	3.2	69
76	A metabolomic study of low estimated GFR in non-proteinuric type 2 diabetes mellitus. <i>Diabetologia</i> , 2012, 55, 499-508.	2.9	69
77	Serum Metabolomics Reveals Serotonin as a Predictor of Severe Dengue in the Early Phase of Dengue Fever. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004607.	1.3	69
78	Genomic instability of gold nanoparticle treated human lung fibroblast cells. <i>Biomaterials</i> , 2011, 32, 5515-5523.	5.7	68
79	Recent developments and applications of metabolomics in microbiological investigations. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 56, 37-48.	5.8	68
80	Profiling of Plasma Metabolites Suggests Altered Mitochondrial Fuel Usage and Remodeling of Sphingolipid Metabolism in Individuals With Type 2 Diabetes and Kidney Disease. <i>Kidney International Reports</i> , 2017, 2, 470-480.	0.4	68
81	Chemopreventive activity of parthenolide against UVB-induced skin cancer and its mechanisms. <i>Carcinogenesis</i> , 2004, 25, 1449-1458.	1.3	65
82	Critical role of oxidative stress and sustained JNK activation in aloe-emodin-mediated apoptotic cell death in human hepatoma cells. <i>Carcinogenesis</i> , 2007, 28, 1937-1945.	1.3	64
83	Emerging Contaminants and the Implications for Drinking Water. <i>International Journal of Water Resources Development</i> , 2012, 28, 247-263.	1.2	63
84	Nickel exposure is associated with the prevalence of type 2 diabetes in Chinese adults. <i>International Journal of Epidemiology</i> , 2015, 44, 240-248.	0.9	62
85	Reduced mitochondrial coenzyme Q10 levels in HepG2 cells treated with high-dose simvastatin: A possible role in statin-induced hepatotoxicity?. <i>Toxicology and Applied Pharmacology</i> , 2007, 223, 173-179.	1.3	59
86	Determination of senkirkine and senecionine in <i>Tussilago farfara</i> using microwave-assisted extraction and pressurized hot water extraction with liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2009, 79, 539-546.	2.9	59
87	Chrysin promotes tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) induced apoptosis in human cancer cell lines. <i>Toxicology in Vitro</i> , 2011, 25, 630-635.	1.1	59
88	Metabolic responses of the growing <i>Daphnia similis</i> to chronic AgNPs exposure as revealed by GC-Q-TOF/MS and LC-Q-TOF/MS. <i>Water Research</i> , 2017, 114, 135-143.	5.3	58
89	Biological effect of aqueous C60 aggregates on <i>Scenedesmus obliquus</i> revealed by transcriptomics and non-targeted metabolomics. <i>Journal of Hazardous Materials</i> , 2017, 324, 221-229.	6.5	58
90	Epigenetic mechanisms in nanomaterial-induced toxicity. <i>Epigenomics</i> , 2015, 7, 395-411.	1.0	57

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91	Oxidative burden in prediabetic and diabetic individuals: evidence from plasma coenzyme Q10. <i>Diabetic Medicine</i> , 2006, 23, 1344-1349.	1.2	56
92	Detection of Lung Cancer: Concomitant Volatile Organic Compounds and Metabolomic Profiling of Six Cancer Cell Lines of Different Histological Origins. <i>ACS Omega</i> , 2018, 3, 5131-5140.	1.6	56
93	Exploratory investigation of plasma metabolomics in human lung adenocarcinoma. <i>Molecular BioSystems</i> , 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. <i>Environmental Toxicology</i> , 2015, 30, 1459-1469.	2.1	54
95	Metabolomics of developing zebrafish embryos using gas chromatography- and liquid chromatography-mass spectrometry. <i>Molecular BioSystems</i> , 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. <i>Genes and Nutrition</i> , 2015, 10, 53.	1.2	53
97	<i>Microcystis aeruginosa</i> removal by peroxides of hydrogen peroxide, peroxymonosulfate and peroxydisulfate without additional activators. <i>Water Research</i> , 2021, 201, 117263.	5.3	53
98	Biomarkers for Male Reproductive health hazards: Are they available?. <i>Toxicology Letters</i> , 2002, 134, 17-30.	0.4	52
99	Hepatitis B virus infection contributes to oxidative stress in a population exposed to aflatoxin B1 and high-risk for hepatocellular carcinoma. <i>Cancer Letters</i> , 2008, 263, 212-222.	3.2	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. <i>Nutrients</i> , 2017, 9, 1059.	1.7	52
101	Coenzyme Q10 and differences in coronary heart disease risk in Asian Indians and Chinese. <i>Free Radical Biology and Medicine</i> , 2002, 32, 132-138.	1.3	51
102	Metabonomics investigation of human urine after ingestion of green tea with gas chromatography/mass spectrometry, liquid chromatography/mass spectrometry and <sup>1</sup> H NMR spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2436-2446.	0.7	51
103	Experiment-originated variations, and multi-peak and multi-origination phenomena in derivatization-based GC-MS metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 269-280.	5.8	47
104	Medical Students' Exposure to Formaldehyde in a Gross Anatomy Dissection Laboratory. <i>Journal of American College Health</i> , 1992, 41, 115-119.	0.8	46
105	Uracil in DNA, determined by an improved assay, is increased when deoxynucleosides are added to folate-deficient cultured human lymphocytes. <i>Analytical Biochemistry</i> , 2004, 330, 58-69.	1.1	46
106	Coating Engineering of MnFe <sub>2</sub> O <sub>4</sub> Nanoparticles with Superhigh <i>T</i> <sub>2</sub> Relaxivity and Efficient Cellular Uptake for Highly Sensitive Magnetic Resonance Imaging. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300069.	1.9	46
107	Effect of <i>Salvia miltiorrhiza</i> on aflatoxin B1-induced oxidative stress in cultured rat hepatocytes. <i>Free Radical Research</i> , 1999, 31, 559-568.	1.5	45
108	Plasma carotenoids and risk of acute myocardial infarction in the Singapore Chinese Health Study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2011, 21, 685-690.	1.1	45

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109	Metabolite changes behind faster growth and less reproduction of <i>Daphnia similis</i> exposed to low-dose silver nanoparticles. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 266-273.	2.9	43
110	Vitamin E Isoform Î³-Tocotrienol Downregulates House Dust Mite-Induced Asthma. <i>Journal of Immunology</i> , 2015, 195, 437-444.	0.4	42
111	Combination of orthogonal array design and overlapping resolution mapping for optimizing the separation of heterocyclic amines by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1995, 709, 351-359.	1.8	41
112	Use of an integrated metabolomics platform for mechanistic investigations of three commonly used algaecides on cyanobacterium, <i>Microcystis aeruginosa</i> . <i>Journal of Hazardous Materials</i> , 2019, 367, 120-127.	6.5	41
113	Capillary Zone Electrophoretic Determination of Heterocyclic Aromatic Amines in Rain. <i>Journal of Chromatographic Science</i> , 1995, 33, 712-716.	0.7	40
114	Use of liquid chromatography/tandem mass spectrometry and online databases for identification of phosphocholines and lysophosphatidylcholines in human red blood cells. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3243-3254.	0.7	40
115	Impacts of peat-forest smoke on urban PM <sub>2.5</sub> in the Maritime Continent during 2012-2015: Carbonaceous profiles and indicators. <i>Environmental Pollution</i> , 2019, 248, 496-505.	3.7	40
116	Serum Amino Acids in Association with Prevalent and Incident Type 2 Diabetes in A Chinese Population. <i>Metabolites</i> , 2019, 9, 14.	1.3	40
117	Î²-Phenylethyl isothiocyanate mediated apoptosis; contribution of Bax and the mitochondrial death pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 100-119.	1.2	39
118	The effect of coenzyme Q10 on microcirculatory endothelial function of subjects with type 2 diabetes mellitus. <i>Atherosclerosis</i> , 2008, 196, 966-969.	0.4	39
119	Multiorigin of Chromatographic Peaks in Derivatized GC/MS Metabolomics: A Confounder That Influences Metabolic Pathway Interpretation. <i>Journal of Proteome Research</i> , 2009, 8, 5657-5665.	1.8	39
120	Occurrence of Regulated and Emerging Iodinated DBPs in the Shanghai Drinking Water. <i>PLoS ONE</i> , 2013, 8, e59677.	1.1	39
121	Intracellular glutathione is a cofactor in methylseleninic acid-induced apoptotic cell death of human hepatoma HEPG2 cells. <i>Free Radical Biology and Medicine</i> , 2002, 33, 552-561.	1.3	38
122	Mitochondrial damage by the Î±-pro-oxidant-Î±-peroxisomal proliferator clofibrate. <i>Free Radical Biology and Medicine</i> , 1999, 27, 1095-1102.	1.3	37
123	Down-regulation of c-FLIP contributes to the sensitization effect of 3,3'-diindolylmethane on TRAIL-induced apoptosis in cancer cells. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 1972-1981.	1.9	37
124	Simultaneous Quantification of 22 Glucosinolates in 12 Brassicaceae Vegetables by Hydrophilic Interaction Chromatography-Tandem Mass Spectrometry. <i>ACS Omega</i> , 2018, 3, 15546-15553.	1.6	37
125	Comparison of hepatic and serum lipid signatures in hepatocellular carcinoma patients leads to the discovery of diagnostic and prognostic biomarkers. <i>Oncotarget</i> , 2018, 9, 5032-5043.	0.8	36
126	Plasma fatty acids, oxylipins, and risk of myocardial infarction: the Singapore Chinese Health Study. <i>Journal of Lipid Research</i> , 2016, 57, 1300-1307.	2.0	35



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127	Comprehensive high-performance liquid chromatographic method for the measurements of lipophilic antioxidants in human plasma. <i>Journal of Chromatography A</i> , 2009, 1216, 3131-3137.	1.8	34
128	Biological monitoring of kidney function among workers occupationally exposed to trichloroethylene. <i>Occupational and Environmental Medicine</i> , 2004, 61, 312-317.	1.3	33
129	Metabolomics Studies Show Dose-Dependent Toxicity Induced by SiO <sub>2</sub> Nanoparticles in MRC-5 Human Fetal Lung Fibroblasts. <i>Advanced Healthcare Materials</i> , 2012, 1, 779-784.	3.9	33
130	Metabolomics Reveals Inflammatory-Linked Pulmonary Metabolic Alterations in a Murine Model of House Dust Mite-Induced Allergic Asthma. <i>Journal of Proteome Research</i> , 2014, 13, 3771-3782.	1.8	33
131	Does High-Dose Coenzyme Q <sub>10</sub> Improve Oxidative Damage and Clinical Outcomes in Parkinson's Disease?. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 211-217.	2.5	31
132	Dietary predictors and plasma concentrations of perfluorinated alkyl acids in a Singapore population. <i>Chemosphere</i> , 2017, 171, 617-624.	4.2	31
133	Protection of <i>Salvia Miltiorrhiza</i> against aflatoxin-B1-induced hepatocarcinogenesis in Fischer 344 rats. <i>Life Sciences</i> , 2001, 69, 309-326.	2.0	30
134	Hypericin photoactivation triggers down-regulation of matrix metalloproteinase-9 expression in well-differentiated human nasopharyngeal cancer cells. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 979-988.	2.4	30
135	Toxicological profile of small airway epithelial cells exposed to gold nanoparticles. <i>Experimental Biology and Medicine</i> , 2013, 238, 1355-1361.	1.1	30
136	Impact of flow rate on corrosion of cast iron and quality of re-mineralized seawater reverse osmosis (SWRO) membrane product water. <i>Desalination</i> , 2013, 322, 76-83.	4.0	29
137	Growth and glucosinolate profiles of a common Asian green leafy vegetable, <i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>parachinensis</i> (choy sum), under LED lighting. <i>Scientia Horticulturae</i> , 2020, 261, 108922.	1.7	29
138	Qualitative and quantitative analysis of toosendanin in <i>Melia toosendan</i> Sieb. Et Zucc (Meliaceae) with liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 589-598.	0.7	28
139	Associations between Urinary Excretion of Cadmium and Renal Biomarkers in Nonsmoking Females: A Cross-Sectional Study in Rural Areas of South China. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 11988-12001.	1.2	27
140	Associations of serum organohalogen levels and prostate cancer risk: Results from a case-control study in Singapore. <i>Chemosphere</i> , 2016, 144, 1505-1512.	4.2	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. <i>Nutrients</i> , 2017, 9, 101.	1.7	27
142	Serum Lipids in Association With Type 2 Diabetes Risk and Prevalence in a Chinese Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 671-680.	1.8	27
143	Metabolites change of <i>Scenedesmus obliquus</i> exerted by AgNPs. <i>Journal of Environmental Sciences</i> , 2019, 76, 310-318.	3.2	27
144	Caloric restriction prevents oxidative damage induced by the carcinogen clofibrate in mouse liver. <i>FEBS Letters</i> , 2000, 473, 85-88.	1.3	26

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