Choon Nam Ong

List of Publications by Year
in descending order

227	16,585	10956 71	18606 119
papers	citations	h-index	g-index

228	228	228	28858
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An optimized CaO2-functionalized alginate bead for simultaneous and efficient removal of phosphorous and harmful cyanobacteria. Science of the Total Environment, 2022, 806, 150382.	3.9	21
2	Untargeted Metabolomic Analysis of Nonvolatile and Volatile Glucosinolates in Brassicaceae. Methods in Molecular Biology, 2022, 2469, 219-229.	0.4	2
3	New insights into the phenolic constituents and their relationships with antioxidant capacity during the growth of a commonly consumed Asian vegetable, Brassica rapa var. parachinensis (choy sum). , 2022, 1, 100038.		1
4	Higher maternal plasma Î²-cryptoxanthin concentration is associated with better cognitive and motor development in offspring at 2Âyears of age. European Journal of Nutrition, 2021, 60, 703-714.	1.8	10
5	Skin carotenoids status as a potential surrogate marker for cardiovascular disease risk determination in middle-aged and older adults. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 592-601.	1.1	11
6	Transcriptomic analysis identifies dysregulated genes and functional networks in human small airway epithelial cells exposed to ambient PM2.5. Ecotoxicology and Environmental Safety, 2021, 208, 111702.	2.9	6
7	Use of okara-derived hydrogel for enhancing growth of plants by minimizing leaching and locking nutrients and water in growing substrate. Ecological Engineering, 2021, 159, 106122.	1.6	12
8	Prognostic significance of phosphoglycerate dehydrogenase in breast cancer. Breast Cancer Research and Treatment, 2021, 186, 655-665.	1.1	9
9	Peat-forest burning smoke in Maritime Continent: Impacts on receptor PM2.5 and implications at emission sources. Environmental Pollution, 2021, 275, 116626.	3.7	9
10	Kinetics and Mechanism Investigation of Selective Arsenite Oxidation by Reactive Iodine Species in Hydrogen Peroxide and Iodide (H₂O₂/I^{â€“}) System. ACS ES&T Water, 2021, 1, 1515-1523.	2.3	13
11	Microcystis aeruginosa removal by peroxides of hydrogen peroxide, peroxymonosulfate and peroxydisulfate without additional activators. Water Research, 2021, 201, 117263.	5.3	53
12	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.	4.2	26
13	Association between maternal carotenoid, vitamin A, and vitamin E levels and allergic outcomes in the offspring in the first 5Âyears of life. Pediatric Allergy and Immunology, 2020, 31, 95-97.	1.1	2
14	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.	1.7	29
15	An Integrated Metabolomics Study of Glucosinolate Metabolism in Different Brassicaceae Genera. Metabolites, 2020, 10, 313.	1.3	16
16	Urban PM2.5 reduces angiogenic ability of endothelial cells in an alveolar-capillary co-culture lung model. Ecotoxicology and Environmental Safety, 2020, 202, 110932.	2.9	5
17	Effect of plasma polyunsaturated fatty acid levels on leukocyte telomere lengths in the Singaporean Chinese population. Nutrition Journal, 2020, 19, 119.	1.5	16
18	Chemical Modification of Biomass Okara Using Poly(acrylic acid) through Free Radical Graft Polymerization. Journal of Agricultural and Food Chemistry, 2020, 68, 13241-13246.	2.4	18

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19	Simultaneous determination of carotenoids, tocopherols and phylloquinone in 12 Brassicaceae vegetables. LWT - Food Science and Technology, 2020, 130, 109649.	2.5	23
20	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.	3.2	25
21	Relationships of maternal plasma pro-vitamin A carotenoids and children's neurocognitive outcomes. Proceedings of the Nutrition Society, 2020, 79, .	0.4	1
22	Maternal Lutein and Zeaxanthin Concentrations in Relation to Offspring Visual Acuity at 3 Years of Age: The GUSTO Study. Nutrients, 2020, 12, 274.	1.7	18
23	Metabolites change of Scenedesmus obliquus exerted by AgNPs. Journal of Environmental Sciences, 2019, 76, 310-318.	3.2	27
24	A Dietary Pattern Derived from Reduced Rank Regression and Fatty Acid Biomarkers Is Associated with Lower Risk of Type 2 Diabetes and Coronary Artery Disease in Chinese Adults. Journal of Nutrition, 2019, 149, 2001-2010.	1.3	20
25	Targeted metabolomics reveals differential biological effects of nanoplastics and nanoZnO in human lung cells. Nanotoxicology, 2019, 13, 1117-1132.	1.6	125
26	Lomatogonium Rotatum for Treatment of Acute Liver Injury in Mice: A Metabolomics Study. Metabolites, 2019, 9, 227.	1.3	15
27	Toxicity Study of Zinc Oxide Nanoparticles in Cell Culture and in Drosophila melanogaster. Journal of Visualized Experiments, 2019, , .	0.2	8
28	Association between serum heavy metals and prostate cancer risk â€“ A multiple metal analysis. Environment International, 2019, 132, 105109.	4.8	75
29	Employing multi-omics to elucidate the hormetic response against oxidative stress exerted by nC60 on Daphnia pulex. Environmental Pollution, 2019, 251, 22-29.	3.7	20
30	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.	3.7	40
31	Reproducibility of Dietary Biomarkers in a Multiethnic Asian Population. Molecular Nutrition and Food Research, 2019, 63, 1801104.	1.5	3
32	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.	6.5	41
33	Serum Amino Acids in Association with Prevalent and Incident Type 2 Diabetes in A Chinese Population. Metabolites, 2019, 9, 14.	1.3	40
34	Omega-6-derived oxylipin changes in serum of patients with hepatitis B virus-related liver diseases. Metabolomics, 2018, 14, 26.	1.4	13
35	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.	1.8	27
36	Gold nanoparticles induce serum amyloid A 1â€“Toll-like receptor 2 mediated NF-kB signaling in lung cells in vitro. Chemico-Biological Interactions, 2018, 289, 81-89.	1.7	8

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37	Simultaneous Quantification of 22 Glucosinolates in 12 Brassicaceae Vegetables by Hydrophilic Interaction Chromatographyâ€“Tandem Mass Spectrometry. ACS Omega, 2018, 3, 15546-15553.	1.6	37
38	Characterization of Plant Volatiles Reveals Distinct Metabolic Profiles and Pathways among 12 Brassicaceae Vegetables. Metabolites, 2018, 8, 94.	1.3	26
39	Metabolic signatures of four major histological types of lung cancer cells. Metabolomics, 2018, 14, 118.	1.4	18
40	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.	1.6	56
41	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.	2.9	43
42	Occurrence and distribution of pesticides in precipitation as revealed by targeted screening through GC-MS/MS. Chemosphere, 2018, 211, 210-217.	4.2	18
43	Profiling of Phenolic Compounds and Antioxidant Activity of 12 Cruciferous Vegetables. Molecules, 2018, 23, 1139.	1.7	90
44	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.	0.8	36
45	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.	1.3	25
46	Dietary predictors and plasma concentrations of perfluorinated alkyl acids in a Singapore population. Chemosphere, 2017, 171, 617-624.	4.2	31
47	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.	0.4	68
48	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.	5.3	58
49	Serum Metabolomics Investigation of Humanized Mouse Model of Dengue Virus Infection. Journal of Virology, 2017, 91, .	1.5	25
50	Targeted analysis of omega-6-derived oxylipins and parent polyunsaturated fatty acids in serum of hepatitis B virus-related hepatocellular carcinoma patients. Metabolomics, 2017, 13, 1.	1.4	4
51	Toward the Quantitative Evaluation of an Activated Carbon Particle Electrode Performance in a Packedâ€Bed System. ChemElectroChem, 2017, 4, 2464-2468.	1.7	2
52	Biological effect of aqueous C60 aggregates on Scenedesmus obliquus revealed by transcriptomics and non-targeted metabolomics. Journal of Hazardous Materials, 2017, 324, 221-229.	6.5	58
53	Targeted metabolomics reveals altered oxylipin profiles in plasma of mild cognitive impairment patients. Metabolomics, 2017, 13, 1.	1.4	8
54	Interactive monitoring in reservoirs using NUSwan â€“ preliminary field results. Water Practice and Technology, 2017, 12, 806-817.	1.0	2

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55	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.	3.3	189
56	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.	1.7	27
57	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.	1.7	25
58	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.	1.7	52
59	HILICâ€MS for metabolomics: An attractive and complementary approach to RPLCâ€MS. Mass Spectrometry Reviews, 2016, 35, 574-600.	2.8	191
60	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.	3.9	75
61	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.	1.2	24
62	Gold nanocluster sensitized TiO₂nanotube arrays for visible-light driven photoelectrocatalytic removal of antibiotic tetracycline. Nanoscale, 2016, 8, 10145-10151.	2.8	87
63	Nitrogen-doped graphene nanosheets as reactive water purification membranes. Nano Research, 2016, 9, 1983-1993.	5.8	81
64	Emerging nanotechnology for environmental applications. Nanotechnology Reviews, 2016, 5, 1-2.	2.6	23
65	Plasma fatty acids, oxylipins, and risk of myocardial infarction: the Singapore Chinese Health Study. Journal of Lipid Research, 2016, 57, 1300-1307.	2.0	35
66	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.	2.9	127
67	Metabolomics Investigation Reveals Metabolite Mediators Associated with Acute Lung Injury and Repair in a Murine Model of Influenza Pneumonia. Scientific Reports, 2016, 6, 26076.	1.6	90
68	Reused water policies for potable use. International Journal of Water Resources Development, 2016, 32, 500-502.	1.2	15
69	Oxidative stress by inorganic nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2016, 8, 414-438.	3.3	80
70	Acetylcarnitine Is a Candidate Diagnostic and Prognostic Biomarker of Hepatocellular Carcinoma. Cancer Research, 2016, 76, 2912-2920.	0.4	83
71	Plasma Î±-Linolenic and Long-Chain Ï‰-3 Fatty Acids Are Associated with a Lower Risk of Acute Myocardial Infarction in Singapore Chinese Adults. Journal of Nutrition, 2016, 146, 275-282.	1.3	12
72	Associations of serum organohalogen levels and prostate cancer risk: Results from a caseâ€“control study in Singapore. Chemosphere, 2016, 144, 1505-1512.	4.2	27

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73	Water reuse, emerging contaminants and public health: state-of-the-art analysis. International Journal of Water Resources Development, 2016, 32, 514-525.	1.2	15
74	MicroRNAs as biomarkers of hepatotoxicity in a randomized placebo-controlled study of simvastatin and ubiquinol supplementation. Experimental Biology and Medicine, 2016, 241, 317-330.	1.1	20
75	Serum Metabolomics Reveals Serotonin as a Predictor of Severe Dengue in the Early Phase of Dengue Fever. PLoS Neglected Tropical Diseases, 2016, 10, e0004607.	1.3	69
76	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.	1.2	53
77	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.	1.2	27
78	Vitamin E Isoform Î³-Tocotrienol Downregulates House Dust Miteâ€“Induced Asthma. Journal of Immunology, 2015, 195, 437-444.	0.4	42
79	Identification of serum biomarkers associated with hepatitis B virus-related hepatocellular carcinoma and liver cirrhosis using mass-spectrometry-based metabolomics. Metabolomics, 2015, 11, 1526-1538.	1.4	23
80	Anti-malarial drug artesunate restores metabolic changes in experimental allergic asthma. Metabolomics, 2015, 11, 380-390.	1.4	8
81	Nickel exposure is associated with the prevalence of type 2 diabetes in Chinese adults. International Journal of Epidemiology, 2015, 44, 240-248.	0.9	62
82	Degradation of the Common Aqueous Antibiotic Tetracycline using a Carbon Nanotube Electrochemical Filter. Environmental Science & Technology, 2015, 49, 7974-7980.	4.6	200
83	MetTailor: dynamic block summary and intensity normalization for robust analysis of mass spectrometry data in metabolomics. Bioinformatics, 2015, 31, 3645-3652.	1.8	4
84	Removal of Microcystis aeruginosa using nano-Fe3O4 particles as a coagulant aid. Environmental Science and Pollution Research, 2015, 22, 18731-18740.	2.7	14
85	Electrochemical wastewater treatment with carbon nanotube filters coupled with in situ generated H₂O₂. Environmental Science: Water Research and Technology, 2015, 1, 769-778.	1.2	78
86	Rapid adsorption removal of arsenate by hydrous cerium oxideâ€“graphene composite. RSC Advances, 2015, 5, 64983-64990.	1.7	89
87	Epigenetic mechanisms in nanomaterial-induced toxicity. Epigenomics, 2015, 7, 395-411.	1.0	57
88	Engineering noble metal nanomaterials for environmental applications. Nanoscale, 2015, 7, 7502-7519.	2.8	116
89	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.	6.5	99
90	Untargeted Proteomics and Systems-Based Mechanistic Investigation of Artesunate in Human Bronchial Epithelial Cells. Chemical Research in Toxicology, 2015, 28, 1903-1913.	1.7	26

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91	Clathrinâ€Mediated Endocytosis of Gold Nanoparticles In Vitro. Anatomical Record, 2015, 298, 418-427.	0.8	74
92	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.	2.1	54
93	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.	1.9	46
94	Impact of blended tap water and desalinated seawater on biofilm stability. Desalination and Water Treatment, 2014, 52, 5806-5811.	1.0	5
95	Impact of elevated Ca2+/Mg2+ concentrations of reverse osmosis membrane desalinated seawater on the stability of water pipe materials. Journal of Water and Health, 2014, 12, 24-33.	1.1	9
96	Recent developments and applications of metabolomics in microbiological investigations. TrAC - Trends in Analytical Chemistry, 2014, 56, 37-48.	5.8	68
97	Combination of in Situ Preconcentration and On-Site Analysis for Phosphate Monitoring in Fresh Waters. Analytical Chemistry, 2014, 86, 7658-7665.	3.2	13
98	Identifying Early Urinary Metabolic Changes with Long-Term Environmental Exposure to Cadmium by Mass-Spectrometry-Based Metabolomics. Environmental Science & Technology, 2014, 48, 6409-6418.	4.6	72
99	Impact of pH level and magnesium addition on corrosion of re-mineralized seawater reverse osmosis membrane (SWRO) product water on pipeline materials. Desalination, 2014, 351, 171-183.	4.0	6
100	A graphene-based electrochemical filter for water purification. Journal of Materials Chemistry A, 2014, 2, 16554-16562.	5.2	108
101	MetaboNexus: an interactive platform for integrated metabolomics analysis. Metabolomics, 2014, 10, 1084-1093.	1.4	10
102	Does High-Dose Coenzyme Q₁₀ Improve Oxidative Damage and Clinical Outcomes in Parkinson's Disease?. Antioxidants and Redox Signaling, 2014, 21, 211-217.	2.5	31
103	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.	1.8	33
104	Impact of seawater reverse osmosis (SWRO) product remineralization on the corrosion rate of water distribution pipeline materials. Desalination, 2013, 311, 54-61.	4.0	25
105	Highly luminescent silver nanoclusters with tunable emissions: cyclic reductionâ€“decomposition synthesis and antimicrobial properties. NPG Asia Materials, 2013, 5, e39-e39.	3.8	237
106	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.	1.0	23
107	Toxicological profile of small airway epithelial cells exposed to gold nanoparticles. Experimental Biology and Medicine, 2013, 238, 1355-1361.	1.1	30
108	Multidimensional Information-Based HPLC Technologies to Evaluate Traditional Chinese Medicine. Journal of Chromatographic Science, 2013, 51, 716-725.	0.7	23

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109	Exploratory investigation of plasma metabolomics in human lung adenocarcinoma. Molecular BioSystems, 2013, 9, 2370.	2.9	54
110	Metabolomics of developing zebrafish embryos using gas chromatography- and liquid chromatography-mass spectrometry. Molecular BioSystems, 2013, 9, 1372.	2.9	53
111	Metabolic Signature Shift in Type 2 Diabetes Mellitus Revealed by Mass Spectrometry-based Metabolomics. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1060-E1065.	1.8	206
112	The effect of primary particle size on biodistribution of inhaled gold nano-agglomerates. Biomaterials, 2013, 34, 5439-5452.	5.7	120
113	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.	4.0	29
114	Metabolomics Reveals Altered Metabolic Pathways in Experimental Asthma. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 204-211.	1.4	92
115	Serum Metabolome and Lipidome Changes in Adult Patients with Primary Dengue Infection. PLoS Neglected Tropical Diseases, 2013, 7, e2373.	1.3	128
116	Metabolic Profiling of Plasma from Benign and Malignant Pulmonary Nodules Patients Using Mass Spectrometry-Based Metabolomics. Metabolites, 2013, 3, 539-551.	1.3	24
117	Occurrence of Regulated and Emerging Iodinated DBPs in the Shanghai Drinking Water. PLoS ONE, 2013, 8, e59677.	1.1	39
118	Significant Biochemical, Biophysical and Metabolic Diversity in Circulating Human Cord Blood Reticulocytes. PLoS ONE, 2013, 8, e76062.	1.1	114
119	Emerging Contaminants and the Implications for Drinking Water. International Journal of Water Resources Development, 2012, 28, 247-263.	1.2	63
120	Andrographolide sensitizes cisplatin-induced apoptosis via suppression of autophagosome-lysosome fusion in human cancer cells. Autophagy, 2012, 8, 338-349.	4.3	100
121	Plasma Vitamin E and Coenzyme Q10 Are Not Associated with a Lower Risk of Acute Myocardial Infarction in Singapore Chinese Adults,. Journal of Nutrition, 2012, 142, 1046-1052.	1.3	15
122	Anti-malarial drug artesunate ameliorates oxidative lung damage in experimental allergic asthma. Free Radical Biology and Medicine, 2012, 53, 498-507.	1.3	79
123	Metabolomics Studies Show Doseâ€Dependent Toxicity Induced by SiO₂ Nanoparticles in MRCâ€5 Human Fetal Lung Fibroblasts. Advanced Healthcare Materials, 2012, 1, 779-784.	3.9	33
124	A metabolomic study of low estimated GFR in non-proteinuric type 2 diabetes mellitus. Diabetologia, 2012, 55, 499-508.	2.9	69
125	Ultra-performance liquid chromatographic assay coupled with two-dimensional separation for spectrometric determination of urinary S-phenylmercapturic acid. Analytical Methods, 2011, 3, 2025.	1.3	1
126	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.	1.1	59

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127	Plasma carotenoids and risk of acute myocardial infarction in the Singapore Chinese Health Study. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 685-690.	1.1	45
128	Toxicogenomic and Phenotypic Analyses of Bisphenol-A Early-Life Exposure Toxicity in Zebrafish. PLoS ONE, 2011, 6, e28273.	1.1	104
129	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
130	Genomic instability of gold nanoparticle treated human lung fibroblast cells. Biomaterials, 2011, 32, 5515-5523.	5.7	68
131	Enhancement of the capabilities of liquid chromatographyâ€“mass spectrometry with derivatization: General principles and applications. Mass Spectrometry Reviews, 2011, 30, 1143-1172.	2.8	135
132	Characterization, purification, and stability of gold nanoparticles. Biomaterials, 2010, 31, 9023-9030.	5.7	198
133	Inhibition of the JAK-STAT3 pathway by andrographolide enhances chemosensitivity of cancer cells to doxorubicin. Biochemical Pharmacology, 2010, 79, 1242-1250.	2.0	103
134	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.	5.8	47
135	Biodistribution of gold nanoparticles and gene expression changes in the liver and spleen after intravenous administration in rats. Biomaterials, 2010, 31, 2034-2042.	5.7	456
136	Autophagy and oxidative stress associated with gold nanoparticles. Biomaterials, 2010, 31, 5996-6003.	5.7	449
137	Antioxidant activity and profiles of common vegetables in Singapore. Food Chemistry, 2010, 120, 993-1003.	4.2	152
138	Antioxidant activity and profiles of common fruits in Singapore. Food Chemistry, 2010, 123, 77-84.	4.2	200
139	Metabolic profiling in colorectal cancer reveals signature metabolic shifts during tumorigenesis. Molecular and Cellular Proteomics, 2010, , .	2.5	79
140	Chrysin sensitizes tumor necrosis factor-Î±-induced apoptosis in human tumor cells via suppression of nuclear factor-kappaB. Cancer Letters, 2010, 293, 109-116.	3.2	89
141	Luteolin induces G1 arrest in human nasopharyngeal carcinoma cells via the Aktâ€“GSK-3Î²â€“Cyclin D1 pathway. Cancer Letters, 2010, 298, 167-175.	3.2	69
142	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.	1.6	942
143	A novel C6-phenyl liquid chromatographic technique for rapid and simultaneous measurements of urinary cotinine and nicotine. Analytical Methods, 2010, 2, 878.	1.3	1
144	Deformability study of breast cancer cells using microfluidics. Biomedical Microdevices, 2009, 11, 557-564.	1.4	273

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145	Microdevice for the isolation and enumeration of cancer cells from blood. Biomedical Microdevices, 2009, 11, 883-892.	1.4	346
146	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.	0.7	40
147	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.	5.0	101
148	Comprehensive high-performance liquid chromatographic method for the measurements of lipophilic antioxidants in human plasma. Journal of Chromatography A, 2009, 1216, 3131-3137.	1.8	34
149	Combination of 1H Nuclear Magnetic Resonance Spectroscopy and Liquid Chromatography/Mass Spectrometry with Pattern Recognition Techniques for Evaluation of Metabolic Profile Associated with Albuminuria. Journal of Proteome Research, 2009, 8, 1828-1837.	1.8	17
150	Multiorigination of Chromatographic Peaks in Derivatized GC/MS Metabolomics: A Confounder That Influences Metabolic Pathway Interpretation. Journal of Proteome Research, 2009, 8, 5657-5665.	1.8	39
151	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.	2.9	59
152	A multi-analytical approach for metabolomic profiling of zebrafish (Danio rerio) livers. Molecular BioSystems, 2009, 5, 288-298.	2.9	74
153	Activation of the PI3K-Akt-mTOR signaling pathway promotes necrotic cell death via suppression of autophagy. Autophagy, 2009, 5, 824-834.	4.3	200
154	Limited antioxidant effect after consumption of a single dose of tomato sauce by young males, despite a rise in plasma lycopene. Free Radical Research, 2009, 43, 622-628.	1.5	20
155	Elevated oxidative stress, iron accumulation around microvessels and increased 4-hydroxynonenal immunostaining in zone 1 of the liver acinus in hypercholesterolemic rabbits. Free Radical Research, 2009, 43, 241-249.	1.5	21
156	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.	0.7	51
157	Gold Nanoparticles Induce Oxidative Damage in Lung Fibroblasts In Vitro. Advanced Materials, 2008, 20, 138-142.	11.1	182
158	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.	2.4	95
159	Signaling pathways from membrane lipid rafts to JNK1 activation in reactive nitrogen species-induced non-apoptotic cell death. Cell Death and Differentiation, 2008, 15, 386-397.	5.0	22
160	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.	3.2	52
161	AFM indentation study of breast cancer cells. Biochemical and Biophysical Research Communications, 2008, 374, 609-613.	1.0	770
162	The effect of coenzyme Q10 on microcirculatory endothelial function of subjects with type 2 diabetes mellitus. Atherosclerosis, 2008, 196, 966-969.	0.4	39

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163	Microdevice for Isolating Viable Circulating Tumor Cells. , 2008, , .		1
164	Autophagy plays a protective role during zVAD-induced necrotic cell death. Autophagy, 2008, 4, 457-466.	4.3	165
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