

Zongwei Cai

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

613
papers

15,170
citations

64
h-index

84
g-index

646
ext. papers

18,637
ext. citations

7.1
avg, IF

7.07
L-index

#	Paper	IF	Citations
613	Simultaneous analysis of derivatized allyl isothiocyanate together with its phase II metabolites by UHPLC-MS/MS.. <i>Rapid Communications in Mass Spectrometry</i> , 2022 , e9257	2.2	
612	Metabolic study of aristolochic acid I-exposed mice liver by atmospheric pressure matrix-assisted laser desorption/ionization mass spectrometry imaging and machine learning.. <i>Talanta</i> , 2022 , 241, 123261	6.2	1
611	A glutathione-responsive silica-based nanosystem capped with in-situ polymerized cell-penetrating poly(disulfide)s for precisely modulating immuno-inflammatory responses.. <i>Journal of Colloid and Interface Science</i> , 2022 , 614, 322-336	9.3	0
610	Exploring the adsorption behavior of benzotriazoles and benzothiazoles on polyvinyl chloride microplastics in the water environment.. <i>Science of the Total Environment</i> , 2022 , 153471	10.2	0
609	An integrative analysis of miRNA and mRNA expression in the brains of Alzheimer's disease transgenic mice after real-world PM2.5 exposure. <i>Journal of Environmental Sciences</i> , 2022 , 122, 25-40	6.4	0
608	Metabolomics and proteomics study reveals the effects of benzo[a]pyrene on the viability and migration of KYSE-150 esophageal cells.. <i>Science of the Total Environment</i> , 2022 , 153761	10.2	0
607	Microbial enzymes induce colitis by reactivating triclosan in the mouse gastrointestinal tract.. <i>Nature Communications</i> , 2022 , 13, 136	17.4	3
606	Soluble arsenic species in total suspended particles and their health risk and origin implication: A case study in Taiyuan, China. <i>Science of the Total Environment</i> , 2022 , 807, 150791	10.2	1
605	Release of tens of thousands of microfibers from discarded face masks under simulated environmental conditions. <i>Science of the Total Environment</i> , 2022 , 806, 150458	10.2	3
604	Intertidal zone effects on Occurrence, fate and potential risks of microplastics with perspectives under COVID-19 pandemic. <i>Chemical Engineering Journal</i> , 2022 , 429, 132351	14.7	2
603	Lipid metabolism dysfunction and toxicity of BDE-47 exposure in white adipose tissue revealed by the integration of lipidomics and metabolomics. <i>Science of the Total Environment</i> , 2022 , 806, 150350	10.2	4
602	Exposure to ambient fine particulate matter impedes the function of spleen in the mouse metabolism of high-fat diet. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127129	12.8	2
601	Enhanced Adsorption of Methyl Orange by Mongolian Montmorillonite after Aluminum Pillaring. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3182	2.6	1
600	One-pot synthesis of magnetic covalent organic frameworks for highly efficient enrichment of phthalate esters from fine particulate matter.. <i>Journal of Chromatography A</i> , 2022 , 1667, 462906	4.5	0
599	Application of machine learning algorithms to screen potential biomarkers under cadmium exposure based on human urine metabolic profiles. <i>Chinese Chemical Letters</i> , 2022 ,	8.1	1
598	New Evidence of Rubber-Derived Quinones in Water, Air, and Soil.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	7
597	In situ localization of lipids on mouse kidney tissues with acute cadmium toxicity using atmospheric pressure-MALDI mass spectrometry imaging.. <i>Talanta</i> , 2022 , 245, 123466	6.2	3

596	A QuEChERS-based UPLC-MS/MS method for rapid determination of organophosphate flame retardants and their metabolites in human urine.. <i>Science of the Total Environment</i> , 2022 , 153989	10.2	0
595	Mass spectrometric determination of N7-HPTE-dG and N7-HPTE-Gua in mammalian cells and mice exposed to methoxychlor, an emergent persistent organic pollutant.. <i>Journal of Hazardous Materials</i> , 2022 , 432, 128741	12.8	0
594	Equipment-free, gold nanoparticle based semiquantitative assay of SARS-CoV-2-S1RBD IgG from fingertip blood: A practical strategy for on-site measurement of COVID-19 antibodies.. <i>Talanta</i> , 2022 , 246, 123498	6.2	0
593	Associations of benzotriazoles and benzothiazoles with estrogens and androgens among pregnant women: A cohort study with repeated measurements.. <i>Science of the Total Environment</i> , 2022 , 155998	10.2	0
592	The composites of triple-helix glucan nanotubes/selenium nanoparticles target hepatocellular carcinoma to enhance ferroptosis by depleting glutathione and augmenting redox imbalances. <i>Chemical Engineering Journal</i> , 2022 , 137110	14.7	1
591	Protective Mechanism of Polygonum perfoliatum L. Extract on Chronic Alcoholic Liver Injury Based on UHPLC-QExactive Plus Mass Spectrometry Lipidomics and MALDI-TOF/TOF Mass Spectrometry Imaging. <i>Foods</i> , 2022 , 11, 1583	4.9	0
590	Spatially revealed perfluorooctane sulfonate-induced nephrotoxicity in mouse kidney using atmospheric pressure MALDI mass spectrometry imaging. <i>Science of the Total Environment</i> , 2022 , 838, 156380	10.2	0
589	Multi-Omics Comparison of the Spontaneous Diabetes Mellitus and Diet-Induced Prediabetic Macaque Models. <i>Frontiers in Pharmacology</i> , 2021 , 12, 784231	5.6	
588	Toxic chemicals from uncontrolled e-waste recycling: Exposure, body burden, health impact. <i>Journal of Hazardous Materials</i> , 2021 , 127792	12.8	5
587	Covalent Organic Framework Nanofilm-Based Laser Desorption/Ionization Mass Spectrometry for 5-Fluorouracil Analysis and Tissue Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 15573-15578	7.8	6
586	Influence of COVID-19 lockdown on the variation of organic aerosols: Insight into its molecular composition and oxidative potential.. <i>Environmental Research</i> , 2021 , 206, 112597	7.9	2
585	Preparation of multivariate zirconia metal-organic frameworks for highly efficient adsorption of endocrine disrupting compounds. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127559	12.8	6
584	Machine Learning for Investigation on Endocrine-Disrupting Chemicals with Gestational Age and Delivery Time in a Longitudinal Cohort. <i>Research</i> , 2021 , 2021, 9873135	7.8	0
583	Pollution characteristics, exposure assessment and potential cardiotoxicities of PM-bound benzotriazole and its derivatives in typical Chinese cities. <i>Science of the Total Environment</i> , 2021 , 151132 ^{10.2}	10.2	0
582	Nitrogen-rich carbon nitride as solid-phase microextraction fiber coating for high-efficient pretreatment of polychlorinated biphenyls from environmental samples. <i>Journal of Chromatography A</i> , 2021 , 1659, 462655	4.5	6
581	Controllable Synthesis of Hollow Microtubular Covalent Organic Frameworks as an Enzyme-Immobilized Platform for Enhancing Catalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	6
580	Toxic effects of triclocarban on larval zebrafish: A focus on visual dysfunction. <i>Aquatic Toxicology</i> , 2021 , 241, 106013	5.1	1
579	Convenient detection of HS based on the photothermal effect of Au@Ag nanocubes using a handheld thermometer as readout. <i>Analytica Chimica Acta</i> , 2021 , 1149, 338211	6.6	8

578	Database-assisted global metabolomics profiling of pleural effusion induced by tuberculosis and malignancy. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	1
577	Continuous Dermal Exposure to Triclocarban Perturbs the Homeostasis of Liver-Gut Axis in Mice: Insights from Metabolic Interactions and Microbiome Shifts. <i>Environmental Science & Technology</i> , 2021 , 55, 5117-5127	10.3	4
576	Use of NAD tagSeq II to identify growth phase-dependent alterations in RNA NAD capping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
575	Soluble ACE2-mediated cell entry of SARS-CoV-2 via interaction with proteins related to the renin-angiotensin system. <i>Cell</i> , 2021 , 184, 2212-2228.e12	56.2	94
574	Metabolomics reveals the reproductive abnormality in female zebrafish exposed to environmentally relevant levels of climbazole. <i>Environmental Pollution</i> , 2021 , 275, 116665	9.3	7
573	Simultaneous determination of triclosan, triclocarban, triclocarban metabolites and byproducts in urine and serum by ultra-high-performance liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, e9117	2.2	2
572	Squalene Epoxidase Induces Nonalcoholic Steatohepatitis Via Binding to Carbonic Anhydrase III and is a Therapeutic Target. <i>Gastroenterology</i> , 2021 , 160, 2467-2482.e3	13.3	3
571	Immunometabolism-modulation and immunotoxicity evaluation of perfluorooctanoic acid in macrophage. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 215, 112128	7	5
570	Three-Dimensional Imaging of Whole-Body Zebrafish Revealed Lipid Disorders Associated with Niemann-Pick Disease Type C1. <i>Analytical Chemistry</i> , 2021 , 93, 8178-8187	7.8	3
569	Interaction of mercury ion (Hg) with blood and cytotoxicity attenuation by serum albumin binding. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125158	12.8	6
568	Facile preparation of nano-g-C ₃ N ₄ /UiO-66-NH ₂ composite as sorbent for high-efficient extraction and preconcentration of food colorants prior to HPLC analysis. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	3
567	Integrated metabolomics analysis of the effect of PPAR α agonist GW501516 on catabolism of BCAAs and carboxylic acids in diabetic mice. <i>Chinese Chemical Letters</i> , 2021 , 32, 2197-2202	8.1	4
566	Investigation of PM _{2.5} pollution during COVID-19 pandemic in Guangzhou, China. <i>Journal of Environmental Sciences</i> , 2021 , 115, 443-443	6.4	3
565	Breast cancer proliferation and deterioration-associated metabolic heterogeneity changes induced by exposure of bisphenol S, a widespread replacement of bisphenol A. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125391	12.8	7
564	Identification and interaction mechanism of protein corona on silver nanoparticles with different sizes and the cellular responses. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125582	12.8	11
563	Application of a real-ambient fine particulate matter exposure system on different animal models. <i>Journal of Environmental Sciences</i> , 2021 , 105, 64-70	6.4	2
562	Emerging environmental pollutants hydroxylated polybrominated diphenyl ethers: From analytical methods to toxicology research. <i>Mass Spectrometry Reviews</i> , 2021 , 40, 255-279	11	2
561	Atmospheric pressure gas chromatography-tandem mass spectrometry analysis of fourteen emerging polycyclic aromatic sulfur heterocycles in PM _{2.5} . <i>Chinese Chemical Letters</i> , 2021 , 32, 801-804	8.1	3

560	Airborne fine particulate matter induces cognitive and emotional disorders in offspring mice exposed during pregnancy. <i>Science Bulletin</i> , 2021 , 66, 578-591	10.6	8
559	Visualization of lipids in cottonseeds by matrix-assisted laser desorption/ionization mass spectrometry imaging. <i>Talanta</i> , 2021 , 221, 121614	6.2	4
558	Facile synthesis of tubular magnetic fluorinated covalent organic frameworks for efficient enrichment of ultratrace polybrominated diphenyl ethers from environmental samples. <i>Talanta</i> , 2021 , 221, 121651	6.2	9
557	Characteristics of exposure to multiple environmental chemicals among pregnant women in Wuhan, China. <i>Science of the Total Environment</i> , 2021 , 754, 142167	10.2	4
556	Adsorption of phenanthrene and its monohydroxy derivatives on polyvinyl chloride microplastics in aqueous solution: Model fitting and mechanism analysis. <i>Science of the Total Environment</i> , 2021 , 764, 142889	10.2	13
555	Contamination profiles and health impact of benzothiazole and its derivatives in PM in typical Chinese cities. <i>Science of the Total Environment</i> , 2021 , 755, 142617	10.2	8
554	Toxicity and accumulation of 6-OH-BDE-47 and newly synthesized 6,6'-diOH-BDE-47 in early life-stages of Zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2021 , 763, 143036	10.2	2
553	Simultaneous determination of methionine cycle metabolites, urea cycle intermediates and polyamines in serum, urine and intestinal tissue by using UHPLC-MS/MS. <i>Talanta</i> , 2021 , 224, 121868	6.2	6
552	Association between urinary organophosphate flame retardant diesters and steroid hormones: A metabolomic study on type 2 diabetes mellitus cases and controls. <i>Science of the Total Environment</i> , 2021 , 756, 143836	10.2	2
551	An integrated quantitative proteomics strategy reveals the dual mechanisms of celastrol against acute inflammation. <i>Chinese Chemical Letters</i> , 2021 , 32, 2164-2168	8.1	4
550	Cumulative health risks for bisphenols using the maximum cumulative ratio among Chinese pregnant women. <i>Environmental Pollution</i> , 2021 , 270, 116044	9.3	1
549	Over 17% Efficiency Binary Organic Solar Cells with Photoresponses Reaching 1000 nm Enabled by Selenophene-Fused Nonfullerene Acceptors. <i>ACS Energy Letters</i> , 2021 , 6, 9-15	20.1	79
548	Frequent occurrence of triclosan hydroxylation in mammals: A combined theoretical and experimental investigation. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124803	12.8	4
547	New insights into the cellular mechanism of triclosan-induced dermal toxicity from a combined metabolomic and lipidomic approach. <i>Science of the Total Environment</i> , 2021 , 757, 143976	10.2	7
546	Metabolic signatures for safety assessment of low-level cadmium exposure on human osteoblast-like cells. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 207, 111257	7	6
545	Mass spectrometry-based metabolomics investigation on two different indica rice grains (<i>Oryza sativa</i> L.) under cadmium stress. <i>Food Chemistry</i> , 2021 , 343, 128472	8.5	4
544	Multilayered glycoproteomic analysis reveals the hepatotoxic mechanism in perfluorooctane sulfonate (PFOS) exposure mice. <i>Environmental Pollution</i> , 2021 , 268, 115774	9.3	7
543	A novel binary matrix consisting of graphene oxide and caffeic acid for the analysis of scutellarin and its metabolites in mouse kidney by MALDI imaging. <i>Analyst, The</i> , 2021 , 146, 289-295	5	2

542	Host-Endosymbiont Genome Integration in a Deep-Sea Chemosymbiotic Clam. <i>Molecular Biology and Evolution</i> , 2021 , 38, 502-518	8.3	14
541	Synergistic optimization of Liquid Chromatography and Mass Spectrometry parameters on Orbitrap Tribrid mass spectrometer for high efficient data-dependent proteomics. <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4653	2.2	6
540	Gas-cycle-assisted headspace solid-phase microextraction coupled with gas chromatography for rapid analysis of organic pollutants. <i>Chemical Communications</i> , 2021 , 57, 8810-8813	5.8	8
539	Thiol functionalized covalent organic framework for highly selective enrichment and detection of mercury by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Analyst, The</i> , 2021 , 146, 2991-2997	5	6
538	Sulfinylation on Superoxide Dismutase 1 Cys111: Novel Mechanism for 1-Nitropyrene to Promote Acute Reactive Oxygen Species Generation. <i>Small Structures</i> , 2021 , 2, 2000123	8.7	0
537	Evidence of Foodborne Transmission of the Coronavirus (COVID-19) through the Animal Products Food Supply Chain. <i>Environmental Science & Technology</i> , 2021 , 55, 2713-2716	10.3	14
536	Facile fabrication of magnetic covalent organic frameworks and their application in selective enrichment of polychlorinated naphthalenes from fine particulate matter. <i>Mikrochimica Acta</i> , 2021 , 188, 91	5.8	4
535	Integrated Proteomics and Metabolomics Assessment Indicated Metabolic Alterations in Hypothalamus of Mice Exposed to Triclosan. <i>Chemical Research in Toxicology</i> , 2021 , 34, 1319-1328	4	1
534	Prenatal exposure to organochlorine pesticides and infant growth: A longitudinal study. <i>Environment International</i> , 2021 , 148, 106374	12.9	2
533	Metabolic and Lipid Alterations in Mice Brain Cortex after PM Exposure. <i>Chemical Research in Toxicology</i> , 2021 , 34, 1250-1255	4	0
532	Data Filtering and Its Prioritization in Pipelines for Spatial Segmentation of Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 4788-4793	7.8	5
531	Trimester-specific and sex-specific effects of prenatal exposure to di(2-ethylhexyl) phthalate on fetal growth, birth size, and early-childhood growth: A longitudinal prospective cohort study. <i>Science of the Total Environment</i> , 2021 , 777, 146146	10.2	4
530	Spatially Resolved Metabolomics and Lipidomics Reveal Salinity and Drought-Tolerant Mechanisms of Cottonseeds. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 8028-8037	5.7	9
529	Visual authentication of edible vegetable oil and used cooking oil using MALDI imaging mass spectrometry. <i>Food Control</i> , 2021 , 125, 107966	6.2	3
528	Mass spectrometry investigation of nucleoside adducts of fatty acid hydroperoxides from oxidation of linolenic and linoleic acids. <i>Journal of Chromatography A</i> , 2021 , 1649, 462236	4.5	1
527	Ambient air PM exposure induces heart injury and cardiac hypertrophy in rats through regulation of miR-208a/b, β MHC, and GATA4. <i>Environmental Toxicology and Pharmacology</i> , 2021 , 85, 103653	5.8	4
526	Loss of tyrosine catabolic enzyme HPD promotes glutamine anaplerosis through mTOR signaling in liver cancer. <i>Cell Reports</i> , 2021 , 36, 109617	10.6	2
525	Taurine reduction associated with heart dysfunction after real-world PM exposure in aged mice. <i>Science of the Total Environment</i> , 2021 , 782, 146866	10.2	4

524	Extracellular and Intracellular Angiotensin II Regulate the Automaticity of Developing Cardiomyocytes Different Signaling Pathways. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 699827	5.6	
523	Discovery of emerging sulfur-containing PAHs in PM: Contamination profiles and potential health risks. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125795	12.8	4
522	Molecular structural heterogeneity of bisphenols governs their serum albumin binding. <i>Science of the Total Environment</i> , 2021 , 781, 146499	10.2	0
521	Metabolic fate of environmental chemical triclocarban in colon tissues: roles of gut microbiota involved. <i>Science of the Total Environment</i> , 2021 , 787, 147677	10.2	2
520	A stark difference in the profiles of defective viral transcripts between SARS-CoV-2 and SARS-CoV. <i>Journal of Infection</i> , 2021 , 83, 381-412	18.9	0
519	MIL-101(Fe)-derived magnetic porous carbon as sorbent for stir bar sorptive-dispersive microextraction of sulfonamides. <i>Mikrochimica Acta</i> , 2021 , 188, 340	5.8	5
518	-Phenylenediamine Antioxidants in PM: The Underestimated Urban Air Pollutants. <i>Environmental Science & Technology</i> , 2021 ,	10.3	8
517	Urinary metabolic characterization with nephrotoxicity for residents under cadmium exposure. <i>Environment International</i> , 2021 , 154, 106646	12.9	5
516	Distribution and risk assessment of hexachlorobutadiene, pentachloroanisole, and chlorobenzenes in sediment and wild fish from a region affected by industrial and agricultural activities in South China. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126002	12.8	3
515	Characterization and Determination of C-Labeled Nonessential Amino Acids in a C-Glutamine Isotope Tracer Experiment with a Mass Spectrometry Strategy Combining Parallel Reaction Monitoring and Multiple Reaction Monitoring. <i>Analytical Chemistry</i> , 2021 , 93, 13564-13571	7.8	0
514	Effects of hydroxyl group content on adsorption and desorption of anthracene and anthrol by polyvinyl chloride microplastics. <i>Science of the Total Environment</i> , 2021 , 790, 148077	10.2	4
513	New insights into the anti- hepatoma mechanism of triple-helix βglucan by metabolomics profiling. <i>Carbohydrate Polymers</i> , 2021 , 269, 118289	10.3	4
512	Lipid metabolism disorders associated with dioxin exposure in a cohort of Chinese male workers revealed by a comprehensive lipidomics study. <i>Environment International</i> , 2021 , 155, 106665	12.9	2
511	Comprehensive multi-omics approaches reveal the hepatotoxic mechanism of perfluorohexanoic acid (PFHxA) in mice. <i>Science of the Total Environment</i> , 2021 , 790, 148160	10.2	4
510	Derivatization strategy for semi-quantitative analysis of medium- and long-chain fatty acids using multiple reaction monitoring. <i>Talanta</i> , 2021 , 233, 122464	6.2	3
509	Mass spectrometry imaging revealed alterations of lipid metabolites in multicellular tumor spheroids in response to hydroxychloroquine. <i>Analytica Chimica Acta</i> , 2021 , 1184, 339011	6.6	4
508	Molecular characterization of organic aerosols in Taiyuan, China: Seasonal variation and source identification. <i>Science of the Total Environment</i> , 2021 , 800, 149419	10.2	4
507	Fabrication of stable multivariate metal-organic frameworks with excellent adsorption performance toward bisphenols from environmental samples. <i>Talanta</i> , 2021 , 235, 122818	6.2	3

506	Integration of omics analysis and atmospheric pressure MALDI mass spectrometry imaging reveals the cadmium toxicity on female ICR mouse. <i>Science of the Total Environment</i> , 2021 , 801, 149803	10.2	5
505	Analysis of aristolochic acid I in mouse serum and tissues by using magnetic solid-phase extraction and UHPLC-MS/MS. <i>Talanta</i> , 2021 , 235, 122774	6.2	0
504	Long-term environmental cadmium exposure induced serum metabolic changes related to renal and liver dysfunctions in a female cohort from Southwest China. <i>Science of the Total Environment</i> , 2021 , 798, 149379	10.2	7
503	Regiospecific -alkyl substitution tunes the molecular packing of high-performance non-fullerene acceptors. <i>Materials Horizons</i> , 2021 ,	14.4	5
502	4-Mercaptobenzoic acid as a MALDI matrix for highly sensitive analysis of metals. <i>Analyst, The</i> , 2021 , 146, 1543-1547	5	2
501	Airborne particulate matter and its organic components: Complex triggers of human disease 2021 , 193-206		0
500	N6-methyladenosine reader YTHDF1 promotes ARHGEF2 translation and RhoA signaling in colorectal cancer.. <i>Gastroenterology</i> , 2021 ,	13.3	4
499	Serum metabolomic and lipidomic profiling identifies diagnostic biomarkers for seropositive and seronegative rheumatoid arthritis patients. <i>Journal of Translational Medicine</i> , 2021 , 19, 500	8.5	5
498	Three-dimensional quantitative mass spectrometry imaging in complex system: From subcellular to whole organism. <i>Mass Spectrometry Reviews</i> , 2020 ,	11	8
497	Identification of Lysine Acetylation Sites on MERS-CoV Replicase pp1ab. <i>Molecular and Cellular Proteomics</i> , 2020 , 19, 1303-1309	7.6	10
496	Integrated Functional Omics Analysis of Flavonoid-Related Metabolism in Transcript Factor Overexpressed Tomato. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 6776-6787	5.7	6
495	Application of Derivatization in Fatty Acids and Fatty Acyls Detection: Mass Spectrometry-Based Targeted Lipidomics. <i>Small Methods</i> , 2020 , 4, 2000160	12.8	17
494	Preparation of Frozen Sections of Multicellular Tumor Spheroids Coated with Ice for Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2020 , 92, 7413-7418	7.8	7
493	Mass Spectrometry for Analysis of Changes during Food Storage and Processing. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 6956-6966	5.7	20
492	High-Throughput and Integrated Chemical Proteomic Approach for Profiling Phosphotyrosine Signaling Complexes. <i>Analytical Chemistry</i> , 2020 , 92, 8933-8942	7.8	3
491	High-throughput screening of bisphenols using magnetic covalent organic frameworks as a SELDI-TOF-MS probe. <i>Mikrochimica Acta</i> , 2020 , 187, 370	5.8	9
490	Prenatal exposure to benzotriazoles and benzothiazoles in relation to fetal and birth size: A longitudinal study. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122828	12.8	1
489	Puffer Fish Gut Microbiota Studies Revealed Unique Bacterial Co-Occurrence Patterns and New Insights on Tetrodotoxin Producers. <i>Marine Drugs</i> , 2020 , 18,	6	6

488	Chemical identity and cardiovascular toxicity of hydrophobic organic components in PM. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 201, 110827	7	17
487	Selective detection of sulfide in human lung cancer cells with a blue-fluorescent "ON-OFF-ON" benzimidazole-based chemosensor ensemble. <i>Dalton Transactions</i> , 2020 , 49, 5445-5453	4.3	4
486	Triclocarban-induced responses of endogenous and xenobiotic metabolism in human hepatic cells: Toxicity assessment based on nontargeted metabolomics approach. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122475	12.8	14
485	Thyroid Cancer "Epidemic": A Socio-Environmental Health Problem Needs Collaborative Efforts. <i>Environmental Science & Technology</i> , 2020 , 54, 3725-3727	10.3	5
484	CPVA: a web-based metabolomic tool for chromatographic peak visualization and annotation. <i>Bioinformatics</i> , 2020 , 36, 3913-3915	7.2	3
483	PCDD/F levels and phase distributions in a full-scale municipal solid waste incinerator with co-incinerating sewage sludge. <i>Waste Management</i> , 2020 , 106, 110-119	8.6	22
482	Response to Comment on "Thyroid Cancer 'Epidemic': A Socio-Environmental Health Problem Needs Collaborative Efforts". <i>Environmental Science & Technology</i> , 2020 , 54, 9711-9712	10.3	1
481	Surface-enhanced laser desorption/ionization mass spectrometry for rapid analysis of organic environmental pollutants by using polydopamine nanospheres as a substrate. <i>Analyst, The</i> , 2020 , 145, 5664-5669	5	1
480	Spatial proteome profiling by immunohistochemistry-based laser capture microdissection and data-independent acquisition proteomics. <i>Analytica Chimica Acta</i> , 2020 , 1127, 140-148	6.6	10
479	Prenatal exposure to benzotriazoles and benzothiazoles and cord blood mitochondrial DNA copy number: A prospective investigation. <i>Environment International</i> , 2020 , 143, 105920	12.9	7
478	Combinatory Data-Independent Acquisition and Parallel Reaction Monitoring Method for Deep Profiling of Gangliosides. <i>Analytical Chemistry</i> , 2020 , 92, 10830-10838	7.8	5
477	Uptake, Accumulation, and Biomarkers of PM-Associated Organophosphate Flame Retardants in C57BL/6 Mice after Chronic Exposure at Real Environmental Concentrations. <i>Environmental Science & Technology</i> , 2020 , 54, 9519-9528	10.3	6
476	Quantitative Profiling of Protein-Derived Electrophilic Cofactors in Bacterial Cells with a Hydrazine-Derived Probe. <i>Analytical Chemistry</i> , 2020 , 92, 4484-4490	7.8	2
475	Paraben Exposure Related To Purine Metabolism and Other Pathways Revealed by Mass Spectrometry-Based Metabolomics. <i>Environmental Science & Technology</i> , 2020 , 54, 3447-3454	10.3	15
474	A spherical covalent-organic framework for enhancing laser desorption/ionization mass spectrometry for small molecule detection. <i>Analyst, The</i> , 2020 , 145, 3125-3130	5	13
473	Fine particulate matter aggravates intestinal and brain injury and affects bacterial community structure of intestine and feces in Alzheimer's disease transgenic mice. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 192, 110325	7	18
472	GC-MS/MS analysis for source identification of emerging POPs in PM. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 193, 110368	7	3
471	Association between urinary paraben concentrations and gestational weight gain during pregnancy. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020 , 30, 845-855	6.7	10

470	Chiral molecularly imprinted polymeric stir bar sorptive extraction for naproxen enantiomer detection in PPCPs. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122251	12.8	25
469	Integration of proteomics and metabolomics reveals promotion of proliferation by exposure of bisphenol S in human breast epithelial MCF-10A cells. <i>Science of the Total Environment</i> , 2020 , 712, 136453	10.2	11
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