

Zongwei Cai

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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	Adsorption mechanisms of five bisphenol analogues on PVC microplastics. <i>Science of the Total Environment</i> , 2019 , 650, 671-678	10.2	190
612	Acetate functions as an epigenetic metabolite to promote lipid synthesis under hypoxia. <i>Nature Communications</i> , 2016 , 7, 11960	17.4	181
611	Study on the photocatalytic mechanism and detoxicity of gemfibrozil by a sunlight-driven TiO ₂ /carbon dots photocatalyst: The significant roles of reactive oxygen species. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 250-259	21.8	178
610	Determination of polybrominated diphenyl ethers in soil and sediment from an electronic waste recycling facility. <i>Chemosphere</i> , 2005 , 60, 810-6	8.4	173
609	The angiosuppressive effects of 20(R)- ginsenoside Rg3. <i>Biochemical Pharmacology</i> , 2006 , 72, 437-45	6	169
608	Analytical chemistry of the persistent organic pollutants identified in the Stockholm Convention: A review. <i>Analytica Chimica Acta</i> , 2013 , 790, 1-13	6.6	148
607	Transketolase counteracts oxidative stress to drive cancer development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E725-34	11.5	138
606	Synthesis and near-infrared luminescence of 3d-4f bi-metallic Schiff base complexes. <i>New Journal of Chemistry</i> , 2002 , 26, 275-278	3.6	136
605	Comparison on gestation and lactation exposure of perfluorinated compounds for newborns. <i>Environment International</i> , 2011 , 37, 1206-12	12.9	123
604	Synthesis of magnetic nanoparticles with immobilized aminophenylboronic acid for selective capture of glycoproteins. <i>Journal of Materials Chemistry</i> , 2011 , 21, 518-524		117
603	Matrix interference-free method for the analysis of small molecules by using negative ion laser desorption/ionization on graphene flakes. <i>Analytical Chemistry</i> , 2011 , 83, 3161-9	7.8	114
602	Room-temperature synthesis of core-shell structured magnetic covalent organic frameworks for efficient enrichment of peptides and simultaneous exclusion of proteins. <i>Chemical Communications</i> , 2017 , 53, 3649-3652	5.8	110
601	An iridium(iii)-based irreversible protein-protein interaction inhibitor of BRD4 as a potent anticancer agent. <i>Chemical Science</i> , 2015 , 6, 5400-5408	9.4	110
600	One-pot synthesis of an organic-inorganic hybrid affinity monolithic column for specific capture of glycoproteins. <i>Chemical Communications</i> , 2011 , 47, 9675-7	5.8	105
599	Degradation of indometacin by simulated sunlight activated CDs-loaded BiPO ₄ photocatalyst: Roles of oxidative species. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 129-139	21.8	103
598	Inhibition of the Ras/Raf interaction and repression of renal cancer xenografts by an enantiomeric iridium(iii) metal-based compound. <i>Chemical Science</i> , 2017 , 8, 4756-4763	9.4	102
597	E-waste recycling induced polybrominated diphenyl ethers, polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins and dibenzo-furans pollution in the ambient environment. <i>Environment International</i> , 2008 , 34, 67-72	12.9	102

596	Effect of ambient PM(2.5) on lung mitochondrial damage and fusion/fission gene expression in rats. <i>Chemical Research in Toxicology</i> , 2015 , 28, 408-18	4	101
595	The latest developments and applications of mass spectrometry in food-safety and quality analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 52, 170-185	14.6	100
594	A capsule review of recent studies on the application of mass spectrometry in the analysis of Chinese medicinal herbs. <i>Journal of Mass Spectrometry</i> , 2002 , 37, 1013-24	2.2	97
593	Chiral rodlike platinum complexes, double helical chains, and potential asymmetric hydrogenation ligand based on "linear" building blocks: 1,8,9,16-tetrahydroxytetraphenylene and 1,8,9,16-tetrakis(diphenylphosphino)tetraphenylene. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9603-11	16.4	95
592	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
591	Mitochondrial damage: an important mechanism of ambient PM2.5 exposure-induced acute heart injury in rats. <i>Journal of Hazardous Materials</i> , 2015 , 287, 392-401	12.8	91
590	Photocatalytic oxidation of triclosan. <i>Chemosphere</i> , 2006 , 65, 390-9	8.4	90
589	Sources of unintentionally produced polychlorinated naphthalenes. <i>Chemosphere</i> , 2014 , 94, 1-12	8.4	88
588	Negative Ion Laser Desorption/Ionization Time-of-Flight Mass Spectrometric Analysis of Small Molecules Using Graphitic Carbon Nitride Nanosheet Matrix. <i>Analytical Chemistry</i> , 2015 , 87, 8005-12	7.8	84
587	Occurrence and Partitioning of Bisphenol Analogues in Adults' Blood from China. <i>Environmental Science & Technology</i> , 2018 , 52, 812-820	10.3	84
586	Comprehensive urinary metabolomic profiling and identification of potential noninvasive marker for idiopathic Parkinson's disease. <i>Scientific Reports</i> , 2015 , 5, 13888	4.9	83
585	Studies on the aconitine-type alkaloids in the roots of <i>Aconitum Carmichaeli</i> Debx. by HPLC/ESIMS/MS(n). <i>Talanta</i> , 2009 , 77, 1800-7	6.2	83
584	In vivo rat metabolism and pharmacokinetic studies of ginsenoside Rg3. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 816, 223-32	3.2	83
583	Proteomics analysis of differential expression of cellular proteins in response to avian H9N2 virus infection in human cells. <i>Proteomics</i> , 2008 , 8, 1851-8	4.8	81
582	DNA-binding affinities and sequence selectivity of quaternary benzophenanthridine alkaloids sanguinarine, chelerythrine, and nitidine. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 5439-45	3.4	79
581	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
580	LC-MS-based urinary metabolite signatures in idiopathic Parkinson's disease. <i>Journal of Proteome Research</i> , 2015 , 14, 467-78	5.6	77
579	Accelerated photocatalytic degradation of diclofenac by a novel CQDs/BiO ₂ COOH hybrid material under visible-light irradiation: Dechlorination, detoxicity, and a new superoxide radical model study. <i>Chemical Engineering Journal</i> , 2018 , 332, 737-748	14.7	76

578	Label-free aptamer-based electrochemical impedance biosensor for 17 β -estradiol. <i>Analyst, The</i> , 2012 , 137, 819-22	5	75
577	Concentrations, profiles and gas/particle partitioning of polychlorinated dibenzo-p-dioxins and dibenzofurans in the ambient air of Beijing, China. <i>Atmospheric Environment</i> , 2008 , 42, 2037-2047	5.3	75
576	Determination of polybrominated diphenyl ethers in soil from e-waste recycling site. <i>Talanta</i> , 2006 , 70, 88-90	6.2	75
575	Magnetic metal-organic framework nanocomposites for enrichment and direct detection of small molecules by negative-ion matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Chemical Communications</i> , 2015 , 51, 8785-8	5.8	74
574	Perfluorinated compounds in seafood from coastal areas in China. <i>Environment International</i> , 2012 , 42, 67-71	12.9	73
573	Separation of polybrominated diphenyl ethers, polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins and dibenzo-furans in environmental samples using silica gel and florisil fractionation chromatography. <i>Analytica Chimica Acta</i> , 2006 , 557, 314-320	6.6	72
572	Facile Synthesis of N-Doped Carbon Dots as a New Matrix for Detection of Hydroxy-Polycyclic Aromatic Hydrocarbons by Negative-Ion Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12976-84	9.5	72
571	Protein-Metal Organic Framework Hybrid Composites with Intrinsic Peroxidase-like Activity as a Colorimetric Biosensing Platform. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29052-29061	9.5	72
570	Polybrominated diphenyl ethers and polychlorinated dibenzo-p-dioxins and dibenzofurans in surface dust at an E-waste processing site in Southeast China. <i>Environmental Science & Technology</i> , 2011 , 45, 5775-82	10.3	71
569	Chemical investigation on Sijunzi decoction and its two major herbs Panax ginseng and Glycyrrhiza uralensis by LC/MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 41, 1642-7	3.5	71
568	Spatial-temporal distribution of microplastics in surface water and sediments of Maozhou River within Guangdong-Hong Kong-Macao Greater Bay Area. <i>Science of the Total Environment</i> , 2020 , 717, 135187	10.2	71
567	Novel composites of multifunctional FeO@Au nanofibers for highly efficient glycoprotein imprinting. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 1044-1051	7.3	70
566	Triclosan determination in water related to wastewater treatment. <i>Talanta</i> , 2007 , 72, 1650-4	6.2	70
565	Study of the phase I and phase II metabolism of nephrotoxin aristolochic acid by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 1755-60	2.2	70
564	Liquid chromatography-electrospray ionization mass spectrometry for metabolism and pharmacokinetic studies of ginsenoside Rg3. <i>Analytica Chimica Acta</i> , 2003 , 492, 283-293	6.6	70
563	Determination of adenosine nucleotides in cultured cells by ion-pairing liquid chromatography-electrospray ionization mass spectrometry. <i>Analytical Biochemistry</i> , 2004 , 325, 77-84	3.1	69
562	Increased expression of EIF5A2, via hypoxia or gene amplification, contributes to metastasis and angiogenesis of esophageal squamous cell carcinoma. <i>Gastroenterology</i> , 2014 , 146, 1701-13.e9	13.3	68
561	Acute toxicity profile of cadmium revealed by proteomics in brain tissue of <i>Paralichthys olivaceus</i> : potential role of transferrin in cadmium toxicity. <i>Aquatic Toxicology</i> , 2006 , 78, 127-35	5.1	68

560	Mass spectrometry-based metabolomics: Targeting the crosstalk between gut microbiota and brain in neurodegenerative disorders. <i>Mass Spectrometry Reviews</i> , 2019 , 38, 22-33	11	67
559	Photocatalytic degradation of clofibrac acid by g-CN/P25 composites under simulated sunlight irradiation: The significant effects of reactive species. <i>Chemosphere</i> , 2017 , 172, 193-200	8.4	66
558	Metabonomics study on the effects of the ginsenoside Rg3 in a beta-cyclodextrin-based formulation on tumor-bearing rats by a fully automatic hydrophilic interaction/reversed-phase column-switching HPLC-ESI-MS approach. <i>Analytical Chemistry</i> , 2008 , 80, 4680-8	7.8	66
557	Spectrometric studies of cytotoxic protoberberine alkaloids binding to double-stranded DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 1859-66	3.4	66
556	Pregnancy-induced metabolic phenotype variations in maternal plasma. <i>Journal of Proteome Research</i> , 2014 , 13, 1527-36	5.6	65
555	GC/MS-based metabolomics reveals fatty acid biosynthesis and cholesterol metabolism in cell lines infected with influenza A virus. <i>Talanta</i> , 2010 , 83, 262-8	6.2	65
554	Degradation of diphenylamine by persulfate: Performance optimization, kinetics and mechanism. <i>Journal of Hazardous Materials</i> , 2009 , 164, 26-31	12.8	65
553	SLC25A22 Promotes Proliferation and Survival of Colorectal Cancer Cells With KRAS Mutations and Xenograft Tumor Progression in Mice via Intracellular Synthesis of Aspartate. <i>Gastroenterology</i> , 2016 , 151, 945-960.e6	13.3	65
552	Analysis of flavors and fragrances by HPLC with FeO@GO magnetic nanocomposite as the adsorbent. <i>Talanta</i> , 2017 , 166, 262-267	6.2	64
551	Core-Shell Structured Magnetic Covalent Organic Framework Nanocomposites for Triclosan and Triclocarban Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22492-22500	9.5	64
550	Defect-Abundant Covalent Triazine Frameworks as Sunlight-Driven Self-Cleaning Adsorbents for Volatile Aromatic Pollutants in Water. <i>Environmental Science & Technology</i> , 2019 , 53, 9091-9101	10.3	64
549	New evidence for toxicity of polybrominated diphenyl ethers: DNA adduct formation from quinone metabolites. <i>Environmental Science & Technology</i> , 2011 , 45, 10720-7	10.3	64
548	High-performance liquid chromatography coupled with tandem mass spectrometry applied for metabolic study of ginsenoside Rb1 on rat. <i>Analytical Biochemistry</i> , 2006 , 352, 87-96	3.1	64
547	Serum exosomes mediate delivery of arginase 1 as a novel mechanism for endothelial dysfunction in diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E6927-E6936	11.5	64
546	Nanomaterials as Assisted Matrix of Laser Desorption/Ionization Time-of-Flight Mass Spectrometry for the Analysis of Small Molecules. <i>Nanomaterials</i> , 2017 , 7,	5.4	63
545	Liquid chromatography/mass spectrometric analysis of rat samples for in vivo metabolism and pharmacokinetic studies of ginsenoside Rh2. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 3549-54	2.2	62
544	Multiple organ injury in male C57BL/6J mice exposed to ambient particulate matter in a real-ambient PM exposure system in Shijiazhuang, China. <i>Environmental Pollution</i> , 2019 , 248, 874-887	9.3	61
543	Simultaneous determination of Ziagen and its phosphorylated metabolites by ion-pairing high-performance liquid chromatography-tandem mass spectrometry. <i>Biomedical Applications</i> , 2001 , 754, 285-95		61

542	Determination of polybrominated diphenyl ethers in freshwater fishes from a river polluted by e-wastes. <i>Talanta</i> , 2007 , 72, 1644-9	6.2	60
541	Occurrence of polychlorinated dibenzo-p-dioxins, dibenzofurans and biphenyls pollution in sediments from the Haihe River and Dagu Drainage River in Tianjin City, China. <i>Chemosphere</i> , 2007 , 68, 1772-8	8.4	60
540	Direct analysis of alkaloid profiling in plant tissue by using matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007 , 42, 58-69	2.2	59
539	Synthesis, DNA-binding affinities, and binding mode of berberine dimers. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 25-32	3.4	58
538	Placental Transfer of Perfluoroalkyl Substances and Associations with Thyroid Hormones: Beijing Prenatal Exposure Study. <i>Scientific Reports</i> , 2016 , 6, 21699	4.9	58
537	statTarget: A streamlined tool for signal drift correction and interpretations of quantitative mass spectrometry-based omics data. <i>Analytica Chimica Acta</i> , 2018 , 1036, 66-72	6.6	57
536	Bovine serum albumin-confined silver nanoclusters as fluorometric probe for detection of biothiols. <i>Luminescence</i> , 2014 , 29, 722-7	2.5	57
535	Integration of Metabolomics and Lipidomics Reveals Metabolic Mechanisms of Triclosan-Induced Toxicity in Human Hepatocytes. <i>Environmental Science & Technology</i> , 2019 , 53, 5406-5415	10.3	55
534	Bisphenol S exposure modulate macrophage phenotype as defined by cytokines profiling, global metabolomics and lipidomics analysis. <i>Science of the Total Environment</i> , 2017 , 592, 357-365	10.2	54
533	A national survey of polybrominated diphenyl ethers (PBDEs) and indicator polychlorinated biphenyls (PCBs) in Chinese mothers' milk. <i>Chemosphere</i> , 2011 , 84, 625-33	8.4	54
532	Coupling of acetonitrile deproteinization and salting-out extraction with acetonitrile stacking in chiral capillary electrophoresis for the determination of warfarin enantiomers. <i>Journal of Chromatography A</i> , 2011 , 1218, 4045-51	4.5	52
531	Detection of Ag(+) using graphite carbon nitride nanosheets based on fluorescence quenching. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 169, 122-7	4.4	51
530	Highly sensitive protein molecularly imprinted electro-chemical sensor based on gold microdendrites electrode and prussian blue mediated amplification. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 612-7	11.8	51
529	Removal and reductive dechlorination of triclosan by <i>Chlorella pyrenoidosa</i> . <i>Chemosphere</i> , 2013 , 92, 1498-505	8.4	51
528	Comparative metabolic profiling reveals secondary metabolites correlated with soybean salt tolerance. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 11132-8	5.7	51
527	Synthesis of linked berberine dimers and their remarkably enhanced DNA-binding affinities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 2689-92	2.9	51
526	Concentrations, profiles, and emission factors of unintentionally produced persistent organic pollutants in fly ash from coking processes. <i>Journal of Hazardous Materials</i> , 2013 , 261, 421-6	12.8	50
525	Analysis of Rhizoma Polygoni Cuspidati by HPLC and HPLC-ESI/MS. <i>Phytochemical Analysis</i> , 2007 , 18, 387-92	3.4	50

524	Investigation of the metabolism and reductive activation of carcinogenic aristolochic acids in rats. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 866-74	4	50
523	Boron and nitrogen co-doped carbon dots as a sensitive fluorescent probe for the detection of curcumin. <i>Luminescence</i> , 2018 , 33, 174-180	2.5	49
522	Mesoporous graphitic carbon nitride@NiCoO nanocomposite as a solid phase microextraction coating for sensitive determination of environmental pollutants in human serum samples. <i>Chemical Communications</i> , 2019 , 55, 10019-10022	5.8	49
521	Determination of atrazine in water at low- and sub-parts-per-trillion levels by using solid-phase extraction and gas chromatography/high-resolution mass spectrometry. <i>Analytical Chemistry</i> , 1993 , 65, 21-26	7.8	49
520	MALDI-MS Imaging Reveals Asymmetric Spatial Distribution of Lipid Metabolites from Bisphenol S-Induced Nephrotoxicity. <i>Analytical Chemistry</i> , 2018 , 90, 3196-3204	7.8	48
519	Removal and metabolism of triclosan by three different microalgal species in aquatic environment. <i>Journal of Hazardous Materials</i> , 2018 , 342, 643-650	12.8	48
518	Fabrication of nanoscale graphitic carbon nitride/copper oxide hybrid composites coated solid-phase microextraction fibers coupled with gas chromatography for determination of polycyclic aromatic hydrocarbons. <i>Journal of Chromatography A</i> , 2018 , 1570, 47-55	4.5	48
517	A sensitivity enhanced high-performance liquid chromatography fluorescence method for the detection of nephrotoxic and carcinogenic aristolochic acid in herbal medicines. <i>Journal of Chromatography A</i> , 2007 , 1164, 113-9	4.5	48
516	Determination of malachite green and leucomalachite green in edible goldfish muscle by liquid chromatography-ion trap mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 843, 247-51	3.2	48
515	Supramolecularly imprinted polymeric solid phase microextraction coatings for synergetic recognition nitrophenols and bisphenol A. <i>Journal of Hazardous Materials</i> , 2019 , 368, 358-364	12.8	47
514	Study on noncovalent complexes of cytotoxic protoberberine alkaloids with double-stranded DNA by using electrospray ionization mass spectrometry. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 4955-9	2.9	47
513	Negative ion laser desorption/ionization time-of-flight mass spectrometric analysis of small molecules by using nanostructured substrate as matrices. <i>Mass Spectrometry Reviews</i> , 2018 , 37, 681-696 ¹¹		46
512	Effect of sulfur dioxide on inflammatory and immune regulation in asthmatic rats. <i>Chemosphere</i> , 2014 , 112, 296-304	8.4	46
511	Screening and determination for potential α -glucosidase inhibitors from leaves of <i>Acanthopanax senticosus</i> harms by using UF-LC/MS and ESI-MS(n). <i>Phytochemical Analysis</i> , 2012 , 23, 315-23	3.4	46
510	Quantitative structure-activity relationship models for prediction of the toxicity of polybrominated diphenyl ether congeners. <i>Environmental Science & Technology</i> , 2005 , 39, 4961-6	10.3	46
509	Gas chromatography/mass spectrometry applied for the analysis of triazine herbicides in environmental waters. <i>Chemosphere</i> , 2003 , 52, 1627-32	8.4	46
508	Metabolomics study of alcohol-induced liver injury and hepatocellular carcinoma xenografts in mice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 2369-75	3.2	45
507	An ultrasensitive colorimeter assay strategy for p53 mutation assisted by nicking endonuclease signal amplification. <i>Chemical Communications</i> , 2011 , 47, 9069-71	5.8	44

506	Enhanced detection of early hepatocellular carcinoma by serum SELDI-TOF proteomic signature combined with alpha-fetoprotein marker. <i>Annals of Surgical Oncology</i> , 2010 , 17, 2518-25	3.1	44
505	Multivalent antibiotics via metal complexes: potent divalent vancomycins against vancomycin-resistant enterococci. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 4904-9	8.3	44
504	Persistent Organic Pollutants as Risk Factors for Obesity and Diabetes. <i>Current Diabetes Reports</i> , 2017 , 17, 132	5.6	43
503	A Clostridia-rich microbiota enhances bile acid excretion in diarrhea-predominant irritable bowel syndrome. <i>Journal of Clinical Investigation</i> , 2020 , 130, 438-450	15.9	43
502	Graphene oxide-SiO nanocomposite as the adsorbent for extraction and preconcentration of plant hormones for HPLC analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1046, 58-64	3.2	42
501	Highly sensitive fluorescent immunosensor for detection of influenza virus based on Ag autocatalysis. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 358-64	11.8	42
500	Synthesis and photophysical studies of chiral helical macrocyclic scaffolds via coordination-driven self-assembly of 1,8,9,16-tetraethynyltetraphenylene. formation of monometallic platinum(II) and dimetallic platinum(II)-ruthenium(II) complexes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16383-92	16.4	42
499	Determination of glucosinolates in traditional Chinese herbs by high-performance liquid chromatography and electrospray ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 2225-32	4.4	42
498	Fate and mass balance of triclosan and its degradation products: Comparison of three different types of wastewater treatments and aerobic/anaerobic sludge digestion. <i>Journal of Hazardous Materials</i> , 2017 , 323, 329-340	12.8	41
497	Beyond glucose: metabolic shifts in responses to the effects of the oral glucose tolerance test and the high-fructose diet in rats. <i>Molecular BioSystems</i> , 2011 , 7, 1537-48		41
496	Signal-on electrochemiluminescent biosensor for ATP based on the recombination of aptamer chip. <i>Chemical Communications</i> , 2011 , 47, 8064-6	5.8	41
495	PCDD/F and dioxin-like PCB in Hong Kong air in relation to their regional transport in the Pearl River Delta region. <i>Chemosphere</i> , 2008 , 71, 211-8	8.4	39
494	Gas chromatography/ion trap mass spectrometry applied for the determination of polybrominated diphenyl ethers in soil. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 83-9	2.2	39
493	Gas chromatography/ion trap mass spectrometry applied for the analysis of triazine herbicides in environmental waters by an isotope dilution technique. <i>Analytica Chimica Acta</i> , 2004 , 503, 263-270	6.6	38
492	A hybrid monolithic column based on boronate-functionalized graphene oxide nanosheets for online specific enrichment of glycoproteins. <i>Journal of Chromatography A</i> , 2017 , 1498, 90-98	4.5	37
491	Free and total urinary phthalate metabolite concentrations among pregnant women from the Healthy Baby Cohort (HBC), China. <i>Environment International</i> , 2016 , 88, 67-73	12.9	37
490	A photocatalytic degradation strategy of PPCPs by a heptazine-based CN organic polymer (OCN) under visible light. <i>Environmental Science: Nano</i> , 2018 , 5, 2325-2336	7.1	37
489	Newborn screening of phenylketonuria using direct analysis in real time (DART) mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3159-64	4.4	37

488	Highly sensitive electrochemical immunoassay for H1N1 influenza virus based on copper-mediated amplification. <i>Chemical Communications</i> , 2012 , 48, 6562-4	5.8	37
487	Effects of chronic tramadol exposure on the zebrafish brain: a proteomic study. <i>Journal of Proteomics</i> , 2012 , 75, 3351-64	3.9	37
486	Development of extraction methods for the analysis of perfluorinated compounds in human hair and nail by high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1219, 54-60	4.5	37
485	Determination of triclosan metabolites by using in-source fragmentation from high-performance liquid chromatography/negative atmospheric pressure chemical ionization ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 1828-34	2.2	37
484	Investigation of levels and fate of triclosan in environmental waters from the analysis of gas chromatography coupled with ion trap mass spectrometry. <i>Chemosphere</i> , 2008 , 73, S13-7	8.4	37
483	Differentiation and identification of ginsenoside isomers by electrospray ionization tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2005 , 531, 69-77	6.6	37
482	A magnetic covalent organic framework as an adsorbent and a new matrix for enrichment and rapid determination of PAHs and their derivatives in PM by surface-assisted laser desorption/ionization-time of flight-mass spectrometry. <i>Chemical Communications</i> , 2019 , 55, 3745-3748	5.8	36
481	Analysis of adenosine phosphates in HepG-2 cell by a HPLC-ESI-MS system with porous graphitic carbon as stationary phase. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2019-24	3.2	36
480	Liquid chromatography/mass spectrometry for metabonomics investigation of the biochemical effects induced by aristolochic acid in rats: the use of information-dependent acquisition for biomarker identification. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 873-80	2.2	36
479	Simultaneous determination of bisphenols, benzophenones and parabens in human urine by using UHPLC-TQMS. <i>Chinese Chemical Letters</i> , 2018 , 29, 102-106	8.1	35
478	Dynamic eicosanoid responses upon different inhibitor and combination treatments on the arachidonic acid metabolic network. <i>Molecular BioSystems</i> , 2012 , 8, 1585-94		35
477	Nitrogen and Sulfur Co-doped Carbon-Dot-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Imaging for Profiling Bisphenol S Distribution in Mouse Tissues. <i>Analytical Chemistry</i> , 2018 , 90, 10872-10880	7.8	34
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475	Insights into the synergetic mechanism of a combined vis-RGO/TiO/peroxodisulfate system for the degradation of PPCPs: Kinetics, environmental factors and products. <i>Chemosphere</i> , 2019 , 216, 341-351	8.4	34
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