

Chao Zhao

List of Publications by Year in descending order

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41
papers

1,438
citations

393982

19
h-index

329751

37
g-index

42
all docs

42
docs citations

42
times ranked

2175
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional quantitative mass spectrometry imaging in complex system: From subcellular to whole organism. <i>Mass Spectrometry Reviews</i> , 2022, 41, 469-487.	2.8	20
2	Ultrahigh-transparency and pressure-sensitive iontronic device for tactile intelligence. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	16
3	Airborne fine particulate matter induces cognitive and emotional disorders in offspring mice exposed during pregnancy. <i>Science Bulletin</i> , 2021, 66, 578-591.	4.3	23
4	MALDI-MS-based biomarker analysis of extracellular vesicles from human lung carcinoma cells. <i>RSC Advances</i> , 2021, 11, 25375-25380.	1.7	8
5	Data Filtering and Its Prioritization in Pipelines for Spatial Segmentation of Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021, 93, 4788-4793.	3.2	17
6	A System-Wide Spatiotemporal Characterization of ErbB Receptor Complexes by Subcellular Fractionation Integrated Quantitative Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 7933-7941.	3.2	5
7	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.	6.5	30
8	Mass spectrometry imaging-based multi-modal technique: Next-generation of biochemical analysis strategy. <i>Innovation(China)</i> , 2021, 2, 100151.	5.2	12
9	Airborne particulate matter and its organic components: Complex triggers of human disease. , 2021, , 193-206.		1
10	Evaluation of the splenic injury following exposure of mice to bisphenol S: A mass spectrometry-based lipidomics and imaging analysis. <i>Environment International</i> , 2020, 135, 105378.	4.8	19
11	A peptide nucleic acid-regulated fluorescence resonance energy transfer DNA assay based on the use of carbon dots and gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 375.	2.5	14
12	Preparation of Frozen Sections of Multicellular Tumor Spheroids Coated with Ice for Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2020, 92, 7413-7418.	3.2	16
13	Ultra-small sepiolite fiber toughened alumina aerogel with enhanced thermal stability and machinability. <i>Journal of Porous Materials</i> , 2020, 27, 1535-1546.	1.3	7
14	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.	3.9	15
15	A PNA-DNA ₂ Triple-Helix Molecular Switch-Based Colorimetric Sensor for Sensitive and Specific Detection of microRNAs from Cancer Cells. <i>ChemBioChem</i> , 2020, 21, 2667-2675.	1.3	6
16	Effects of PM2.5 exposure in utero on heart injury, histone acetylation and GATA4 expression in offspring mice. <i>Chemosphere</i> , 2020, 256, 127133.	4.2	12
17	How does gestational PM<sub>2.5</sub> exposure affect the offspring behaviors?. <i>Chinese Science Bulletin</i> , 2020, 65, 3849-3850.	0.4	0
18	Immunotoxic Potential of Bisphenol F Mediated through Lipid Signaling Pathways on Macrophages. <i>Environmental Science & Technology</i> , 2019, 53, 11420-11428.	4.6	23

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19	Colorimetric detection of single base-pair mismatches based on the interactions of PNA and PNA/DNA complexes with unmodified gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 333-340.	2.5	20
20	Highly sensitive and specific screening of EGFR mutation using a PNA microarray-based fluorometric assay based on rolling circle amplification and graphene oxide. <i>RSC Advances</i> , 2019, 9, 38298-38308.	1.7	8
21	Metabolic perturbation, proliferation and reactive oxygen species jointly contribute to cytotoxicity of human breast cancer cell induced by tetrabromo and tetrachloro bisphenol A. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 495-501.	2.9	21
22	Bisphenol S induced epigenetic and transcriptional changes in human breast cancer cell line MCF-7. <i>Environmental Pollution</i> , 2019, 246, 697-703.	3.7	42
23	Prenatal exposure to ambient fine particulate matter induces dysregulations of lipid metabolism in adipose tissue in male offspring. <i>Science of the Total Environment</i> , 2019, 657, 1389-1397.	3.9	20
24	Omics approach reveals metabolic disorders associated with the cytotoxicity of airborne particulate matter in human lung carcinoma cells. <i>Environmental Pollution</i> , 2019, 246, 45-52.	3.7	31
25	Identification of glycerophospholipid fatty acid remodeling by using mass spectrometry imaging in bisphenol S induced mouse liver. <i>Chinese Chemical Letters</i> , 2018, 29, 1281-1283.	4.8	19
26	MALDI-MS Imaging Reveals Asymmetric Spatial Distribution of Lipid Metabolites from Bisphenol S-Induced Nephrotoxicity. <i>Analytical Chemistry</i> , 2018, 90, 3196-3204.	3.2	73
27	Determination of bisphenol A and bisphenol S in sacked mouse foods by liquid chromatography-tandem mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2018, 434, 17-22.	0.7	12
28	Label-free colorimetric aptasensor for highly sensitive and selective detection of proteins by using PNA/DNA hybrids and a cyanine dye. <i>Analytical Methods</i> , 2018, 10, 3824-3829.	1.3	12
29	Liquid chromatography-mass spectrometry-based metabolomics and lipidomics reveal toxicological mechanisms of bisphenol F in breast cancer xenografts. <i>Journal of Hazardous Materials</i> , 2018, 358, 503-507.	6.5	37
30	Interaction of bisphenol A 3,4-quinone metabolite with glutathione and ribonucleosides/deoxyribonucleosides in vitro. <i>Journal of Hazardous Materials</i> , 2017, 323, 195-202.	6.5	31
31	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.	3.9	69
32	Glucosylation Mediated Rolling Circle Amplification Combined with a qPCR Assay for the Detection of 5-Hydroxymethylcytosine. <i>Analytical Sciences</i> , 2016, 32, 963-968.	0.8	1
33	Investigation on fragmentation pathways of bisphenols by using electrospray ionization Orbitrap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1901-1913.	0.7	39
34	Redox-active quinones induces genome-wide DNA methylation changes by an iron-mediated and Tet-dependent mechanism. <i>Nucleic Acids Research</i> , 2014, 42, 1593-1605.	6.5	106
35	Boronic acid-mediated polymerase chain reaction for gene- and fragment-specific detection of 5-hydroxymethylcytosine. <i>Nucleic Acids Research</i> , 2014, 42, e81-e81.	6.5	25
36	Ascorbic Acid Enhances Tet-Mediated 5-Methylcytosine Oxidation and Promotes DNA Demethylation in Mammals. <i>Journal of the American Chemical Society</i> , 2013, 135, 10396-10403.	6.6	499

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37	Plastic antibody for DNA damage: fluorescent imaging of BPDEâ€“dG adducts in genomic DNA. <i>Analyst, The</i> , 2013, 138, 4958.	1.7	10
38	An Ammonium Bicarbonate-Enhanced Stable Isotope Dilution UHPLC-MS/MS Method for Sensitive and Accurate Quantification of Acroleinâ€“DNA Adducts in Human Leukocytes. <i>Analytical Chemistry</i> , 2013, 85, 3190-3197.	3.2	43
39	The Progress on Sequencing and Detection of Hydroxymethylated DNA. <i>Acta Chimica Sinica</i> , 2013, 71, 26.	0.5	4
40	High performance aptamer affinity chromatography for single-step selective extraction and screening of basic protein lysozyme. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 903, 112-117.	1.2	63
41	Capillary Monolithic Bioreactor of Immobilized Snake Venom Phosphodiesterase for Mass Spectrometry Based Oligodeoxynucleotide Sequencing. <i>Analytical Chemistry</i> , 2012, 84, 1157-1164.	3.2	9