

Gunda Koellensperger

List of Publications by Year in descending order

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126
papers

4,772
citations

101384

36
h-index

118652

62
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138
all docs

138
docs citations

138
times ranked

6823
citing authors

#	ARTICLE	IF	CITATIONS
1	METLIN: A Technology Platform for Identifying Knowns and Unknowns. <i>Analytical Chemistry</i> , 2018, 90, 3156-3164.	3.2	696
2	Intracellular protein binding patterns of the anticancer ruthenium drugs KP1019 and KP1339. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 737-748.	1.1	150
3	Model based engineering of <i>Pichia pastoris</i> central metabolism enhances recombinant protein production. <i>Metabolic Engineering</i> , 2014, 24, 129-138.	3.6	130
4	Determination of Pt, Pd and Rh by inductively coupled plasma sector field mass spectrometry (ICP-SFMS) in size-classified urban aerosol samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 239-246.	1.6	121
5	Systems-level organization of yeast methylotrophic lifestyle. <i>BMC Biology</i> , 2015, 13, 80.	1.7	118
6	An albumin-based tumor-targeted oxaliplatin prodrug with distinctly improved anticancer activity in vivo. <i>Chemical Science</i> , 2017, 8, 2241-2250.	3.7	114
7	Environmental application of elemental speciation analysis based on liquid or gas chromatography hyphenated to inductively coupled plasma mass spectrometry – A review. <i>Analytica Chimica Acta</i> , 2010, 668, 114-129.	2.6	107
8	Biodistribution of the novel anticancer drug sodium trans-[tetrachloridobis(1H-indazole)ruthenate(III)] KP-1339/IT139 in nude BALB/c mice and implications on its mode of action. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 250-255.	1.5	94
9	Recurrent Topics in Mass Spectrometry-Based Metabolomics and Lipidomics – Standardization, Coverage, and Throughput. <i>Analytical Chemistry</i> , 2021, 93, 519-545.	3.2	92
10	Concentrations of Selected Trace Elements in Human Milk and in Infant Formulas Determined by Magnetic Sector Field Inductively Coupled Plasma-Mass Spectrometry. <i>Biological Trace Element Research</i> , 2000, 76, 97-112.	1.9	88
11	Anion-Exchange Chromatography Coupled to High-Resolution Mass Spectrometry: A Powerful Tool for Merging Targeted and Non-targeted Metabolomics. <i>Analytical Chemistry</i> , 2017, 89, 7667-7674.	3.2	87
12	Sample introduction of single selenized yeast cells (<i>Saccharomyces cerevisiae</i>) by micro droplet generation into an ICP-sector field mass spectrometer for label-free detection of trace elements. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 637.	1.6	77
13	The ruthenium compound KP1339 potentiates the anticancer activity of sorafenib in vitro and in vivo. <i>European Journal of Cancer</i> , 2013, 49, 3366-3375.	1.3	75
14	SEC-ICP-DRCMS and SEC-ICP-SFMS for determination of metal-sulfur ratios in metalloproteins. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 74-79.	1.6	71
15	A Novel Lipidomics Workflow for Improved Human Plasma Identification and Quantification Using RPLC-MSn Methods and Isotope Dilution Strategies. <i>Analytical Chemistry</i> , 2018, 90, 6494-6501.	3.2	69
16	Increasing selectivity and coverage in LC-MS based metabolome analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 358-366.	5.8	68
17	Quantification of cisplatin, carboplatin and oxaliplatin in spiked human plasma samples by ICP-SFMS and hydrophilic interaction liquid chromatography (HILIC) combined with ICP-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1336.	1.6	66
18	U ¹³ C cell extract of <i>Pichia pastoris</i> – a powerful tool for evaluation of sample preparation in metabolomics. <i>Journal of Separation Science</i> , 2012, 35, 3091-3105.	1.3	66

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19	Determination of glyphosate and AMPA in surface and waste water using high-performance ion chromatography coupled to inductively coupled plasma dynamic reaction cell mass spectrometry (HPIC-ICP-DRC-MS). <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 695-699.	1.9	63
20	LC-MS analysis of low molecular weight organic acids derived from root exudation. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2587-2596.	1.9	63
21	LC and CZE-ICP-MS approaches for the in vivo analysis of the anticancer drug candidate sodium trans-[tetrachloridobis(1H-indazole)ruthenate(III)] (KP1339) in mouse plasma. <i>Metallomics</i> , 2011, 3, 1049.	1.0	62
22	Interactions between ABC-transport proteins and the secondary <i>Fusarium</i> metabolites enniatin and beauvericin. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 904-920.	1.5	55
23	Quantitative Metabolite Profiling Utilizing Parallel Column Analysis for Simultaneous Reversed-Phase and Hydrophilic Interaction Liquid Chromatography Separations Combined with Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 4145-4150.	3.2	55
24	Application of imaging mass spectrometry approaches to facilitate metal-based anticancer drug research. <i>Metallomics</i> , 2017, 9, 365-381.	1.0	54
25	Systems biology approach for in vivo photodynamic therapy optimization of ruthenium-porphyrin compounds. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 117, 80-89.	1.7	51
26	Elemental labelling combined with liquid chromatography inductively coupled plasma mass spectrometry for quantification of biomolecules: A review. <i>Analytica Chimica Acta</i> , 2012, 750, 98-110.	2.6	51
27	LILY-lipidome isotope labeling of yeast: in vivo synthesis of ¹³ C labeled reference lipids for quantification by mass spectrometry. <i>Analyst</i> , The, 2017, 142, 1891-1899.	1.7	49
28	Merging metabolomics and lipidomics into one analytical run. <i>Analyst</i> , The, 2019, 144, 220-229.	1.7	48
29	Single-cell analysis by use of ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1784-1813.	1.6	46
30	What CHO is made of: Variations in the biomass composition of Chinese hamster ovary cell lines. <i>Metabolic Engineering</i> , 2020, 61, 288-300.	3.6	46
31	Bioaccessibility of selected trace metals in urban PM2.5 and PM10 samples: a model study. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1149-1157.	1.9	44
32	Sensitivity towards the GRP78 inhibitor KP1339/IT-139 is characterized by apoptosis induction via caspase 8 upon disruption of ER homeostasis. <i>Cancer Letters</i> , 2017, 404, 79-88.	3.2	44
33	Fast High-Resolution Laser Ablation-Inductively Coupled Plasma Mass Spectrometry Imaging of the Distribution of Platinum-Based Anticancer Compounds in Multicellular Tumor Spheroids. <i>Analytical Chemistry</i> , 2017, 89, 12641-12645.	3.2	44
34	ICP-SFMS determination of palladium using IDMS in combination with on-line and off-line matrix separation. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1057-1063.	1.6	43
35	An Organometallic Gold(I) Bis-Heterocyclic Carbene Complex with Multimodal Activity in Ovarian Cancer Cells. <i>Chemistry - A European Journal</i> , 2020, 26, 15528-15537.	1.7	42
36	Simultaneous non-polar and polar lipid analysis by on-line combination of HILIC, RP and high resolution MS. <i>Analyst</i> , The, 2018, 143, 1250-1258.	1.7	41

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37	Laser Ablation-Inductively Coupled Plasma Time-of-Flight Mass Spectrometry Imaging of Trace Elements at the Single-Cell Level for Clinical Practice. <i>Analytical Chemistry</i> , 2019, 91, 8207-8212.	3.2	41
38	LC-MS/MS-based analysis of coenzyme A and short-chain acyl-coenzyme A thioesters. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6681-6688.	1.9	39
39	Hydrophilic interaction LC combined with electrospray MS for highly sensitive analysis of underivatized amino acids in rhizosphere research. <i>Journal of Separation Science</i> , 2010, 33, 911-922.	1.3	38
40	LA-ICP-MS imaging in multicellular tumor spheroids – a novel tool in the preclinical development of metal-based anticancer drugs. <i>Metallomics</i> , 2016, 8, 398-402.	1.0	38
41	<i>STAT3</i> independent analysis reveals <i>MDK4</i> as independent predictor of recurrence in prostate cancer. <i>Molecular Systems Biology</i> , 2020, 16, e9247.	3.2	38
42	Studying metal integration in native and recombinant copper proteins by hyphenated ICP-DRC-MS and ESI-TOF-MS capabilities and limitations of the complementary techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1224-1231.	1.6	36
43	Gas Chromatography-Quadrupole Time-of-Flight Mass Spectrometry-Based Determination of Isotopologue and Tandem Mass Isotopomer Fractions of Primary Metabolites for ¹³ C-Metabolic Flux Analysis. <i>Analytical Chemistry</i> , 2015, 87, 11792-11802.	3.2	35
44	Accurate quantification of the redox-sensitive GSH/GSSG ratios in the yeast <i>Pichia pastoris</i> by HILIC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2031-2039.	1.9	34
45	Structure-Activity Relationships of Triple-Action Platinum(IV) Prodrugs with Albumin-Binding Properties and Immunomodulating Ligands. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 12132-12151.	2.9	34
46	In vitro studies on cisplatin focusing on kinetic aspects of intracellular chemistry by LC-ICP-MS. <i>Metallomics</i> , 2013, 5, 636.	1.0	33
47	Isotopologue analysis of sugar phosphates in yeast cell extracts by gas chromatography chemical ionization time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2865-2875.	1.9	33
48	An integrated metabolomics workflow for the quantification of sulfur pathway intermediates employing thiol protection with N-ethyl maleimide and hydrophilic interaction liquid chromatography tandem mass spectrometry. <i>Analyst</i> , 2015, 140, 7687-7695.	1.7	33
49	Mass spectrometry based analysis of nucleotides, nucleosides, and nucleobases – application to feed supplements. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 799-808.	1.9	32
50	The potential of flow-through microdialysis for probing low-molecular weight organic anions in rhizosphere soil solution. <i>Analytica Chimica Acta</i> , 2005, 546, 1-10.	2.6	29
51	Complementing reversed-phase selectivity with porous graphitized carbon to increase the metabolome coverage in an on-line two-dimensional LC-MS setup for metabolomics. <i>Analyst</i> , 2015, 140, 3465-3473.	1.7	29
52	Bioimaging of isosteric osmium and ruthenium anticancer agents by LA-ICP-MS. <i>Metallomics</i> , 2018, 10, 388-396.	1.0	29
53	Mass spectrometry techniques for imaging and detection of metallodrugs. <i>Current Opinion in Chemical Biology</i> , 2021, 61, 123-134.	2.8	28
54	Quantification of elemental labeled peptides in cellular uptake studies. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 97-102.	1.6	27

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55	Overexpression of the transcription factor Yap1 modifies intracellular redox conditions and enhances recombinant protein secretion. <i>Microbial Cell</i> , 2014, 1, 376-386.	1.4	27
56	Quantitative Imaging of Silver Nanoparticles and Essential Elements in Thin Sections of Fibroblast Multicellular Spheroids by High Resolution Laser Ablation Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 10197-10203.	3.2	27
57	Uncertainty of species unspecific quantification strategies in hyphenated ICP-MS analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 1047.	1.6	26
58	Elucidating rhizosphere processes by mass spectrometry – A review. <i>Analytica Chimica Acta</i> , 2017, 956, 1-13.	2.6	26
59	Platinum determination by inductively coupled plasma–sector field mass spectrometry (ICP–SFMS) in different matrices relevant to human biomonitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 198-204.	1.9	25
60	Ultra-fast HPLC-ICP-MS analysis of oxaliplatin in patient urine. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 401-406.	1.9	24
61	Interlaboratory comparison for quantitative primary metabolite profiling in <i>Pichia pastoris</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5159-5169.	1.9	23
62	Uncertainty budgeting in fold change determination and implications for non-targeted metabolomics studies in model systems. <i>Analyst</i> , 2017, 142, 80-90.	1.7	23
63	The Power of LC-MS Based Multiomics: Exploring Adipogenic Differentiation of Human Mesenchymal Stem/Stromal Cells. <i>Molecules</i> , 2019, 24, 3615.	1.7	23
64	Serum-binding properties of isosteric ruthenium and osmium anticancer agents elucidated by SEC–ICP–MS. <i>Monatshefte für Chemie</i> , 2018, 149, 1719-1726.	0.9	22
65	Preparative supercritical fluid chromatography for lipid class fractionation – a novel strategy in high-resolution mass spectrometry based lipidomics. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2365-2374.	1.9	22
66	Speciation analysis of orthophosphate and myo-inositol hexakisphosphate in soil- and plant-related samples by high-performance ion chromatography combined with inductively coupled plasma mass spectrometry. <i>Journal of Separation Science</i> , 2014, 37, 1711-1719.	1.3	21
67	Metabolic profiling of amino acids in cellular samples via zwitterionic sub-2 µm particle size HILIC-MS/MS and a uniformly ¹³ C labeled internal standard. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 915-922.	1.9	21
68	Preclinical studies on metal based anticancer drugs as enabled by integrated metallomics and metabolomics. <i>Metallomics</i> , 2019, 11, 1716-1728.	1.0	21
69	Differences in protein binding and excretion of Triapine and its Fe(III) complex. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 61-69.	1.5	20
70	The impact of whole human blood on the kinetic inertness of platinum(IV) prodrugs – an HPLC-ICP-MS study. <i>Dalton Transactions</i> , 2018, 47, 5252-5258.	1.6	20
71	Micro-droplet-based calibration for quantitative elemental bioimaging by LA-ICPMS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 485-495.	1.9	20
72	Sample preparation workflow for the liquid chromatography tandem mass spectrometry based analysis of nicotinamide adenine dinucleotide phosphate cofactors in yeast. <i>Journal of Separation Science</i> , 2014, 37, 2185-2191.	1.3	19

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73	Comprehensive assessment of measurement uncertainty in ¹³ C-based metabolic flux experiments. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3337-3348.	1.9	18
74	Stability assessment of different chelating moieties used for elemental labeling of bio-molecules. <i>Metallomics</i> , 2011, 3, 1304.	1.0	17
75	Fully automated on-line two-dimensional liquid chromatography in combination with ESI MS/MS detection for quantification of sugar phosphates in yeast cell extracts. <i>Analyst</i> , The, 2014, 139, 1512.	1.7	17
76	Critical assessment of different methods for quantitative measurement of metalloprotein associations. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7211-7220.	1.9	17
77	High-resolution laser ablation inductively coupled plasma mass spectrometry used to study transport of metallic nanoparticles through collagen-rich microstructures in fibroblast multicellular spheroids. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3497-3506.	1.9	17
78	Impact of terminal dimethylation on the resistance profile of 1±-N-heterocyclic thiosemicarbazones. <i>Biochemical Pharmacology</i> , 2012, 83, 1623-1633.	2.0	16
79	Accurate LC-ESI-MS/MS quantification of 2-oxo-3-deoxymugineic acid in soil and root related samples employing porous graphitic carbon as stationary phase and a ¹³ C ₄ -labeled internal standard. <i>Electrophoresis</i> , 2014, 35, 1375-1385.	1.3	16
80	Characterization of metal-tagged antibodies used in ICP-MS-based immunoassays. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 163-169.	1.9	16
81	Single Spheroid Metabolomics: Optimizing Sample Preparation of Three-Dimensional Multicellular Tumor Spheroids. <i>Metabolites</i> , 2019, 9, 304.	1.3	16
82	A combined flow injection/reversed-phase chromatography-high-resolution mass spectrometry workflow for accurate absolute lipid quantification with ¹³ C internal standards. <i>Analyst</i> , The, 2021, 146, 2591-2599.	1.7	16
83	Cisplatin Uptake in Macrophage Subtypes at the Single-Cell Level by LA-ICP-TOFMS Imaging. <i>Analytical Chemistry</i> , 2021, 93, 16456-16465.	3.2	16
84	Characterisation of zinc-binding domains of peroxisomal RING finger proteins using size exclusion chromatography/inductively coupled plasma-mass spectrometry. <i>Biological Chemistry</i> , 2007, 388, 1209-1214.	1.2	15
85	Sulfur containing amino acids - challenge of accurate quantification. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1018.	1.6	15
86	Reduced quenching and extraction time for mammalian cells using filtration and syringe extraction. <i>Journal of Biotechnology</i> , 2014, 182-183, 97-103.	1.9	15
87	Reaction of pyranose dehydrogenase from <i>Agaricus meleagris</i> with its carbohydrate substrates. <i>FEBS Journal</i> , 2015, 282, 4218-4241.	2.2	15
88	Laser ablation-ICP-TOFMS imaging of germ cell tumors of patients undergoing platinum-based chemotherapy. <i>Metallomics</i> , 2020, 12, 1246-1252.	1.0	15
89	High-throughput flow injection analysis of labeled peptides in cellular samples - ICP-MS analysis versus fluorescence based detection. <i>International Journal of Mass Spectrometry</i> , 2011, 307, 105-111.	0.7	14
90	Metabolomics sampling of <i>Pichia pastoris</i> revisited: rapid filtration prevents metabolite loss during quenching. <i>FEMS Yeast Research</i> , 2015, 15, fov049.	1.1	14

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91	In vivo synthesized ³⁴ S enriched amino acid standards for species specific isotope dilution of proteins. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1830-1835.	1.6	14
92	Altered membrane rigidity via enhanced endogenous cholesterol synthesis drives cancer cell resistance to destruxins. <i>Oncotarget</i> , 2018, 9, 25661-25680.	0.8	14
93	The Anticancer Ruthenium Compound BOLD-100 Targets Glycolysis and Generates a Metabolic Vulnerability towards Glucose Deprivation. <i>Pharmaceutics</i> , 2022, 14, 238.	2.0	14
94	Speciation analysis of sugar phosphates via anion exchange chromatography combined with inductively coupled plasma dynamic reaction cell mass spectrometry – optimization for the analysis of yeast cell extracts. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 915.	1.6	13
95	Accurate high throughput quantification of selenium in biological samples – the potential of combining isotope dilution ICP-tandem mass spectrometry with flow injection. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2227-2232.	1.6	13
96	Morpho-metabotyping the oxidative stress response. <i>Scientific Reports</i> , 2021, 11, 15471.	1.6	13
97	Platinum(IV) Complexes Featuring Axial Michael Acceptor Ligands - Synthesis, Characterization, and Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4049-4054.	1.0	12
98	Comparison of metabolic pathways of different 1- <i>N</i> -heterocyclic thiosemicarbazones. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2343-2361.	1.9	12
99	Proposing a validation scheme for ¹³ C metabolite tracer studies in high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3103-3113.	1.9	12
100	Elemental analysis in biotechnology. <i>Current Opinion in Biotechnology</i> , 2015, 31, 93-100.	3.3	11
101	Measurement uncertainty of isotopologue fractions in fluxomics determined via mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5133-5146.	1.9	10
102	Introducing N-, P-, and S-donor leaving groups: an investigation of the chemical and biological properties of ruthenium, rhodium and iridium thiopyridone piano stool complexes. <i>Dalton Transactions</i> , 2020, 49, 15693-15711.	1.6	10
103	Synthesis, Modification, and Biological Evaluation of a Library of Novel Water-Soluble Thiopyridone-Based Organometallic Complexes and Their Unexpected (Biological) Behavior. <i>Chemistry - A European Journal</i> , 2020, 26, 5419-5433.	1.7	10
104	The study of reduced versus oxidized glutathione in cancer cell models employing isotopically labelled standards. <i>Analytical Methods</i> , 2014, 6, 3086-3094.	1.3	9
105	Monitoring the production process of selenized yeast by elemental speciation analysis. <i>Metallomics</i> , 2012, 4, 1176.	1.0	8
106	Chasing the Major Sphingolipids on Earth: Automated Annotation of Plant Glycosyl Inositol Phospho Ceramides by Glycolipidomics. <i>Metabolites</i> , 2020, 10, 375.	1.3	8
107	Element labeling of antibody fragments for ICP-MS based immunoassays. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2330-2337.	1.6	7
108	FI-ICP-TOFMS for high-throughput and low volume multi-element analysis in environmental and biological matrices. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1272-1278.	1.6	7

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109	Analysis of Underivatized Amino Acids: Zwitterionic Hydrophilic Interaction Chromatography Combined with Triple Quadrupole Tandem Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2012, 828, 39-46.	0.4	6
110	Benchmarking Non-Targeted Metabolomics Using Yeast-Derived Libraries. <i>Metabolites</i> , 2021, 11, 160.	1.3	6
111	Accurate characterization of A β -amyloid (A β 240, A β 242) standards using species-specific isotope dilution by means of HPLC-ICP-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 639-648.	1.9	6
112	Turbulent flow chromatography in combination with HPLC-ICP-MS for high-throughput analysis of free, intact metal based drugs in biomedical samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1811-1817.	1.6	5
113	FI-ICP-TOFMS for quantification of biologically essential trace elements in cerebrospinal fluid – high-throughput at low sample volume. <i>Analyst</i> , 2019, 144, 4653-4660.	1.7	5
114	Heart-cut 2DSEC-RP-LC-ICP-MS as a screening tool in metal-based anticancer research. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1279-1286.	1.6	5
115	mzRAPP: a tool for reliability assessment of data pre-processing in non-targeted metabolomics. <i>Bioinformatics</i> , 2021, 37, 3678-3680.	1.8	5
116	Thermodynamic Genome-Scale Metabolic Modeling of Metallo-drug Resistance in Colorectal Cancer. <i>Cancers</i> , 2021, 13, 4130.	1.7	5
117	Yeast-based reference materials for quantitative metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4359-4368.	1.9	5
118	Elemental Mapping of Human Malignant Mesothelioma Tissue Samples Using High-Speed LA-ICP-TOFMS Imaging. <i>Analytical Chemistry</i> , 2022, 94, 2597-2606.	3.2	5
119	Error propagation in constraint-based modeling of Chinese hamster ovary cells. <i>Biotechnology Journal</i> , 2021, 16, e2000320.	1.8	4
120	Achieving Absolute Molar Lipid Concentrations: A Phospholipidomics Cross-Validation Study. <i>Analytical Chemistry</i> , 2022, 94, 1618-1625.	3.2	4
121	Inositol-phosphodihydroceramides in the periodontal pathogen <i>Tannerella forsythia</i> : Structural analysis and incorporation of exogenous myo-inositol. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1417-1427.	1.2	3
122	Ameliorative effects of deferiprone and tetraethylammonium salt of salinomycin acid on lead-induced toxicity in mouse testes. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6784-6795.	2.7	3
123	Power of mzRAPP-Based Performance Assessments in MS1-Based Nontargeted Feature Detection. <i>Analytical Chemistry</i> , 2022, 94, 8588-8595.	3.2	3
124	It is time for a special issue dedicated to elemental speciation analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1704-1705.	1.6	1
125	Novel LC-MS Workflows for Improved Lipid Identification and Quantification. , 2021, , 197-207.		0
126	Analysis of Underivatized Amino Acids: Zwitterionic Hydrophilic Interaction Chromatography Combined with Triple Quadrupole Tandem Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019, 2030, 395-402.	0.4	0