

# Ulrich Panne

## List of Publications by Year in descending order

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215  
papers

6,026  
citations

76031

42  
h-index

120465

65  
g-index

223  
all docs

223  
docs citations

223  
times ranked

7276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of lithium in human serum by isotope dilution atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 251-256.	1.9	3
2	Quantification of sulphur in copper and copper alloys by GDMS and LA-ICP-MS, demonstrating metrological traceability to the international system of units. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2404-2414.	1.6	3
3	High-Resolution Atomic Absorption Spectrometry Combined With Machine Learning Data Processing for Isotope Amount Ratio Analysis of Lithium. <i>Analytical Chemistry</i> , 2021, 93, 10022-10030.	3.2	10
4	Determination of organic chlorine in water via AlCl derivatization and detection by high-resolution continuum source graphite furnace molecular absorption spectrometry. <i>Analytical Methods</i> , 2021, 13, 3724-3730.	1.3	1
5	Improved validation for single particle ICP-MS analysis using a pneumatic nebulizer / microdroplet generator sample introduction system for multi-mode nanoparticle determination. <i>Analytica Chimica Acta</i> , 2020, 1099, 16-25.	2.6	17
6	Separation of polystyrene nanoparticles bearing different carboxyl group densities and functional groups quantification with capillary electrophoresis and asymmetrical flow field flow fractionation. <i>Journal of Chromatography A</i> , 2020, 1626, 461392.	1.8	8
7	Simultaneous characterization of poly(acrylic acid) and polysaccharide polymers and copolymers. <i>Analytical Science Advances</i> , 2020, 1, 34.	1.2	3
8	LIBS for aerosol analysis. , 2020, , 499-535.		4
9	<i>In vitro</i> and <i>in situ</i> experiments to evaluate the biodistribution and cellular toxicity of ultrasmall iron oxide nanoparticles potentially used as oral iron supplements. <i>Nanotoxicology</i> , 2020, 14, 388-403.	1.6	36
10	Tackling Complex Analytical Tasks: An ISO/TS-Based Validation Approach for Hydrodynamic Chromatography Single Particle Inductively Coupled Plasma Mass Spectrometry. <i>Materials</i> , 2020, 13, 1447.	1.3	10
11	Shake, shut, and go – A fast screening of sulfur in heavy crude oils by high-resolution continuum source graphite furnace molecular absorption spectrometry via GeS molecule detection. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 160, 105671.	1.5	6
12	Arraying of Single Cells for Quantitative High Throughput Laser Ablation ICP-TOF-MS. <i>Analytical Chemistry</i> , 2019, 91, 11520-11528.	3.2	34
13	Separation of polystyrene nanoparticles with different coatings using two-dimensional off-line coupling of asymmetrical flow field flow fractionation and capillary electrophoresis. <i>Journal of Chromatography A</i> , 2019, 1593, 119-126.	1.8	8
14	Degradation of MDI-based polyether and polyester-polyurethanes in various environments - Effects on molecular mass and crosslinking. <i>Polymer Testing</i> , 2019, 77, 105881.	2.3	31
15	Fifteenth International Symposium on Biological and Environmental Reference Materials (BERM-15). <i>Accreditation and Quality Assurance</i> , 2019, 24, 249-250.	0.4	0
16	Photocatalysis of –cyclodextrin-functionalised Fe <sub>3</sub> O <sub>4</sub> nanoparticles for degrading Bisphenol A in polluted waters. <i>Environmental Chemistry</i> , 2019, 16, 125.	0.7	7
17	Glucosylation and Glutathione Conjugation of Chlorpyrifos and Fluopyram Metabolites Using Electrochemistry/Mass Spectrometry. <i>Molecules</i> , 2019, 24, 898.	1.7	14
18	Laser ionization ion mobility spectrometric interrogation of acoustically levitated droplets. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 8053-8061.	1.9	3

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19	Specific Decoration of a Discrete Bismuth Oxido Cluster by Selected Peptides towards the Design of Metal Tags. <i>Chemistry - A European Journal</i> , 2019, 25, 759-763.	1.7	1
20	Prediction of biotransformation products of the fungicide fluopyram by electrochemistry coupled online to liquid chromatography-mass spectrometry and comparison with in vitro microsomal assays. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2607-2617.	1.9	16
21	Functionalized magnetic nanoparticles: Synthesis, characterization, catalytic application and assessment of toxicity. <i>Scientific Reports</i> , 2018, 8, 6278.	1.6	95
22	Investigation of Chlorpyrifos and Its Transformation Products in Fruits and Spices by Combining Electrochemistry and Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2018, 11, 2657-2665.	1.3	9
23	Power of Ultra Performance Liquid Chromatography/Electrospray Ionization-MS Reconstructed Ion Chromatograms in the Characterization of Small Differences in Polymer Microstructure. <i>Analytical Chemistry</i> , 2018, 90, 3467-3474.	3.2	6
24	SI-traceable quantification of sulphur in copper metal and its alloys by ICP-IDMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 90-101.	1.6	8
25	Singlet oxygen generation potential of porphyrin-sensitized magnetite nanoparticles: Synthesis, characterization and photocatalytic application. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 553-561.	10.8	33
26	Confinement and enhancement of an airborne atmospheric laser-induced plasma using an ultrasonic acoustic resonator. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 135-140.	1.6	4
27	Cooperation in publicly funded reference material production. <i>Accreditation and Quality Assurance</i> , 2018, 23, 371-377.	0.4	7
28	New Photodegradation Products of the Fungicide Fluopyram: Structural Elucidation and Mechanism Identification. <i>Molecules</i> , 2018, 23, 2940.	1.7	8
29	LC-ELISA as a contribution to the assessment of matrix effects with environmental water samples in an immunoassay for estrone (E1). <i>Accreditation and Quality Assurance</i> , 2018, 23, 349-364.	0.4	2
30	Quantitative assessment of the metabolic products of iron oxide nanoparticles to be used as iron supplements in cell cultures. <i>Analytica Chimica Acta</i> , 2018, 1039, 24-30.	2.6	17
31	Zirconium permanent modifiers for graphite furnaces used in absorption spectrometry: understanding their structure and mechanism of action. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 2034-2042.	1.6	12
32	Quantification of metals in single cells by LA-ICP-MS: comparison of single spot analysis and imaging. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1579-1587.	1.6	31
33	A new approach of using polyethylene frits for the quantification of sulphur in copper metals by isotope dilution LA-ICP-MS and comparison with conventional IDMS techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1506-1517.	1.6	4
34	Surface chemical characterization of model glycan surfaces and shelf life studies of glycan microarrays using XPS, NEXAFS spectroscopy, ToF-SIMS and fluorescence scanning. <i>Applied Surface Science</i> , 2018, 459, 860-873.	3.1	11
35	Screening for cocaine on Euro banknotes by a highly sensitive enzyme immunoassay. <i>Talanta</i> , 2017, 165, 619-624.	2.9	12
36	Characterization of an Airborne Laser-Spark Ion Source for Ambient Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 3437-3444.	3.2	9

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37	Electrochemistry coupled online to liquid chromatography-mass spectrometry for fast simulation of biotransformation reactions of the insecticide chlorpyrifos. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3359-3368.	1.9	18
38	“Click”-analytics for “click”-chemistry – A simple method for calibration-free evaluation of online NMR spectra. <i>Journal of Magnetic Resonance</i> , 2017, 277, 154-161.	1.2	13
39	A simple metal staining procedure for identification and visualization of single cells by LA-ICP-MS. <i>Analyst, The</i> , 2017, 142, 1703-1710.	1.7	36
40	Quantitative characterization of single cells by use of immunocytochemistry combined with multiplex LA-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3667-3676.	1.9	37
41	Critical Conditions for Liquid Chromatography of Statistical Copolymers: Functionality Type and Composition Distribution Characterization by UP-LCCC/ESI-MS. <i>Analytical Chemistry</i> , 2017, 89, 1778-1786.	3.2	12
42	Determination of boron isotope ratios by high-resolution continuum source molecular absorption spectrometry using graphite furnace vaporizers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 136, 116-122.	1.5	18
43	Für das Heute lernen. <i>Nachrichten Aus Der Chemie</i> , 2017, 65, 1255-1255.	0.0	0
44	The fate of iron nanoparticles used for treatment of iron deficiency in blood using mass-spectrometry based strategies. <i>Mikrochimica Acta</i> , 2017, 184, 3673-3680.	2.5	11
45	Microsecond mid-infrared laser pulses for atmospheric pressure laser ablation/ionization of liquid samples. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 298-305.	4.0	7
46	Quantitative NMR spectroscopy for gas analysis for production of primary reference gas mixtures. <i>Journal of Magnetic Resonance</i> , 2017, 275, 1-10.	1.2	7
47	Cyclodextrin “ferrocene host” guest complexes on silicon oxide surfaces. <i>Surface and Interface Analysis</i> , 2016, 48, 606-610.	0.8	7
48	Hybrid iron-based core-shell magnetic catalysts for fast degradation of bisphenol A in aqueous systems. <i>Chemical Engineering Journal</i> , 2016, 302, 587-594.	6.6	23
49	Structural considerations on the selectivity of an immunoassay for sulfamethoxazole. <i>Talanta</i> , 2016, 158, 198-207.	2.9	21
50	Determination of tributyltin in whole water matrices under the European Water Framework Directive. <i>Journal of Chromatography A</i> , 2016, 1459, 112-119.	1.8	17
51	Monte Carlo standardless approach for laser induced breakdown spectroscopy based on massive parallel graphic processing unit computing. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 125, 97-102.	1.5	19
52	Separation and quantification of silver nanoparticles and silver ions using reversed phase high performance liquid chromatography coupled to inductively coupled plasma mass spectrometry in combination with isotope dilution analysis. <i>Journal of Chromatography A</i> , 2016, 1468, 102-108.	1.8	43
53	Tomography of homogenized laser-induced plasma by Radon transform technique. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 123, 59-67.	1.5	22
54	Combination of single particle ICP-QMS and isotope dilution analysis for the determination of size, particle number and number size distribution of silver nanoparticles. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2045-2052.	1.6	29

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55	Glass fibre paper-based test strips for sensitive SERS sensing. <i>Analytical Methods</i> , 2016, 8, 1313-1318.	1.3	17
56	Gadolinium-uptake by aquatic and terrestrial organisms-distribution determined by laser ablation inductively coupled plasma mass spectrometry. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 200-207.	1.7	39
57	Removal of pollutants by the new Fenton-like highly active catalysts containing an imidazolium salt and a Schiff base. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 335-342.	10.8	15
58	Taxonomic relationships of pollens from matrix-assisted laser desorption/ionization time-of-flight mass spectrometry data using multivariate statistics. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1145-1154.	0.7	8
59	Improved analysis of ultra-high molecular mass polystyrenes in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry using DCTB matrix and caesium salts. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1039-1046.	0.7	14
60	Green Fenton-like magnetic nanocatalysts: Synthesis, characterization and catalytic application. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 667-677.	10.8	36
61	Tannic acid- and natural organic matter-coated magnetite as green Fenton-like catalysts for the removal of water pollutants. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	15
62	Catalytical degradation of relevant pollutants from waters using magnetic nanocatalysts. <i>Applied Surface Science</i> , 2015, 352, 42-48.	3.1	21
63	Direct multi-element analysis of plastic materials via solid sampling electrothermal vaporization inductively coupled plasma optical emission spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1064-1071.	1.6	17
64	Mass Spectrometry of Levitated Droplets by Thermally Unconfined Infrared-Laser Desorption. <i>Analytical Chemistry</i> , 2015, 87, 8323-8327.	3.2	24
65	Pathway of a damaging mechanism – Analyzing chloride attack by synchrotron based X-ray diffraction. <i>Solid State Sciences</i> , 2015, 44, 45-54.	1.5	5
66	Analysis of Gadolinium-based contrast agents in tap water with a new hydrophilic interaction chromatography (ZIC-cHILIC) hyphenated with inductively coupled plasma mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2415-2422.	1.9	44
67	Sample loss in asymmetric flow field-flow fractionation coupled to inductively coupled plasma-mass spectrometry of silver nanoparticles. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2214-2222.	1.6	18
68	Report on KOSMOS Summer University at the School of Analytical Sciences Adlershof (Berlin): limits and scales in analytical sciences. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4869-4872.	1.9	1
69	Characterization of two modes in a dielectric barrier discharge probe by optical emission spectroscopy and time-of-flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2496-2506.	1.6	15
70	Maleimide functionalized silicon surfaces for biosensing investigated by in-situ IRSE and EQCM. <i>Electrochemistry Communications</i> , 2015, 51, 103-107.	2.3	12
71	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometric imaging of synthetic polymer sample spots prepared using ionic liquid matrices. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 489-498.	0.7	27
72	High repetition rate laser-induced breakdown spectroscopy using acousto-optically gated detection. <i>Review of Scientific Instruments</i> , 2014, 85, 073104.	0.6	15

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73	Mechanochemical Synthesis of [Zn <sub>3</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> (4,4'-bipy) <sub>4</sub> ] and its Reorganization at High Temperatures. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, .	1.4	3
74	Experimental and numerical characterization of the sound pressure in standing wave acoustic levitators. <i>Review of Scientific Instruments</i> , 2014, 85, 015110.	0.6	23
75	Determination of impurities in solar grade silicon by inductively coupled plasma sector field mass spectrometry (ICP-SFMS) subsequent to matrix evaporation. <i>Analytical Methods</i> , 2014, 6, 77-85.	1.3	9
76	Determination of boron in silicon without use of additional complexing agents. <i>Analytical Methods</i> , 2014, 6, 4003-4008.	1.3	5
77	Matrix Segregation as the Major Cause for Sample Inhomogeneity in MALDI Dried Droplet Spots. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1356-1363.	1.2	29
78	Laser-induced breakdown spectroscopy for in situ qualitative and quantitative analysis of mineral ores. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 101, 155-163.	1.5	56
79	Characterisation of An Inexpensive Sonic Spray Ionisation Source Using Laser-Induced Fluorescence Imaging and Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 21-29.	0.5	6
80	High Repetition Rate Atmospheric Pressure Matrix-Assisted Laser Desorption/Ionization in Combination with Liquid Matrices. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 367-374.	0.5	3
81	Laser-Induced Breakdown Spectroscopy Combined with Spatial Heterodyne Spectroscopy. <i>Applied Spectroscopy</i> , 2014, 68, 1076-1084.	1.2	28
82	CO <sub>2</sub> laser ionization of acoustically levitated droplets. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7005-7010.	1.9	19
83	A rapid method for the assessment of the surface group density of carboxylic acid-functionalized polystyrene microparticles. <i>Analyst, The</i> , 2013, 138, 2924.	1.7	23
84	Performance of <sup>114</sup> XRF with SEM/EDS for trace analysis on the example of RoHS relevant elements " measurement, optimisation and prediction of the detection limits. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1466.	1.6	12
85	Application of a micro-droplet generator for an ICP-sector field mass spectrometer " optimization and analytical characterization. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 646.	1.6	70
86	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
87	In situ vacuum thermal mass spectroscopy for the selection of an environmentally friendly, energy saving catalytic additive and optimization of the process by a novel ignition mechanism. <i>RSC Advances</i> , 2013, 3, 9677.	1.7	0
88	Temperature evaluation by simultaneous emission and saturated fluorescence measurements: A critical theoretical and experimental appraisal of the approach. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 89, 50-59.	1.5	3
89	Spatially resolved investigation of complex multi-phase systems using <sup>114</sup> XRF, SEM-EDX and high resolution SyXRD. <i>Cement and Concrete Composites</i> , 2013, 37, 241-245.	4.6	4
90	Speciation of gadolinium in surface water samples and plants by hydrophilic interaction chromatography hyphenated with inductively coupled plasma mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1865-1873.	1.9	44

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91	Diagnostic of Laser-Induced Plasma Using Abel Inversion and Radiation Modeling. Applied Spectroscopy, 2013, 67, 851-859.	1.2	16
92	A wall-free climate unit for acoustic levitators. Review of Scientific Instruments, 2012, 83, 055101.	0.6	13
93	Monitoring Caffeine in Human Saliva Using a Newly Developed ELISA. Analytical Letters, 2012, 45, 2549-2561.	1.0	5
94	Numerical and experimental determination of the sound pressure distribution in single-axis acoustic levitators. , 2012, , .		0
95	Immunoassays as high-throughput tools: Monitoring spatial and temporal variations of carbamazepine, caffeine and cetirizine in surface and wastewaters. Chemosphere, 2012, 89, 1278-1286.	4.2	96
96	Morphological Diversity of Caffeine on Surfaces: Needles and Hexagons. Crystal Growth and Design, 2012, 12, 583-588.	1.4	18
97	Interaction of Levitated Ionic Liquid Droplets with Water. Journal of Physical Chemistry B, 2012, 116, 14171-14177.	1.2	20
98	Determination of the absolute fluorescence quantum yield of rhodamine 6G with optical and photoacoustic methods – Providing the basis for fluorescence quantum yield standards. Talanta, 2012, 90, 30-37.	2.9	107
99	Tomography of single and double pulse laser-induced plasma using Radon transform technique. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 76, 203-213.	1.5	15
100	Simultaneous UV/Vis spectroscopy and surface enhanced Raman scattering of nanoparticle formation and aggregation in levitated droplets. Analytical Methods, 2012, 4, 1252.	1.3	37
101	Quantitative Imaging of Gold and Silver Nanoparticles in Single Eukaryotic Cells by Laser Ablation ICP-MS. Analytical Chemistry, 2012, 84, 9684-9688.	3.2	191
102	History of inductively coupled plasma mass spectrometry-based immunoassays. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 76, 27-39.	1.5	49
103	Calculation of X-ray tube spectra by means of photon generation yields and a modified Kramers background for side-window X-ray tubes. X-Ray Spectrometry, 2012, 41, 264-272.	0.9	10
104	Matrix-assisted laser desorption/ionization mass spectrometric investigation of pollen and their classification by multivariate statistics. Rapid Communications in Mass Spectrometry, 2012, 26, 1032-1038.	0.7	11
105	First Seconds in a Building's Life...Situ Synchrotron X-Ray Diffraction Study of Cement Hydration on the Millisecond Timescale. Angewandte Chemie - International Edition, 2012, 51, 4993-4996.	7.2	19
106	Double-pulse laser-induced breakdown spectroscopy for analysis of molten glass. Analytical and Bioanalytical Chemistry, 2012, 402, 2597-2606.	1.9	36
107	Multivariate classification of pigments and inks using combined Raman spectroscopy and LIBS. Analytical and Bioanalytical Chemistry, 2012, 402, 1443-1450.	1.9	120
108	Iodine as an elemental marker for imaging of single cells and tissue sections by laser ablation inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 2160.	1.6	69

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109	Pushing the limits for fast spatially resolved elemental distribution patterns. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1986.	1.6	15
110	Carbonate-coordinated metal complexes precede the formation of liquid amorphous mineral emulsions of divalent metal carbonates. <i>Nanoscale</i> , 2011, 3, 1158.	2.8	114
111	Laser-induced plasma tomography by the Radon transform. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 2483.	1.6	13
112	Container-less polymerization in acoustically levitated droplets: an analytical study by GPC and MALDI-TOF mass spectrometry. <i>Analytical Methods</i> , 2011, 3, 70-73.	1.3	7
113	Cetirizine as pH-dependent cross-reactant in a carbamazepine-specific immunoassay. <i>Analyst, The</i> , 2011, 136, 1357.	1.7	19
114	Surface-enhanced Raman scattering with silver nanostructures generated in situ in a sporopollenin biopolymer matrix. <i>Chemical Communications</i> , 2011, 47, 3236.	2.2	21
115	Deciphering the Sulfate Attack of Cementitious Materials by High-Resolution Micro-X-ray Diffraction. <i>Analytical Chemistry</i> , 2011, 83, 3744-3749.	3.2	13
116	Elemental Bioimaging in Kidney by LA-ICP-MS As a Tool to Study Nephrotoxicity and Renal Protective Strategies in Cisplatin Therapies. <i>Analytical Chemistry</i> , 2011, 83, 7933-7940.	3.2	130
117	Abel inversion applied to a transient laser induced plasma: implications from plasma modeling. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1457.	1.6	23
118	A routine procedure for the characterisation of polycapillary X-ray semi-lenses in parallelising mode with SEM/EDS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 499-504.	1.6	9
119	Assessment of suitability of diode pumped solid state lasers for laser induced breakdown and Raman spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 414-424.	1.6	30
120	Multiplexed Immunohistochemical Detection of Tumor Markers in Breast Cancer Tissue Using Laser Ablation Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 8177-8183.	3.2	97
121	Calibration of double focusing Glow Discharge Mass Spectrometry instruments with pin-shaped synthetic standards. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 847-854.	1.5	23
122	A Novel Immunoreagent for the Specific and Sensitive Detection of the Explosive Triacetone Triperoxide (TATP). <i>Biosensors</i> , 2011, 1, 93-106.	2.3	23
123	Procedure for the Impurity-Related Correction at the Indium Fixed-Point. <i>International Journal of Thermophysics</i> , 2011, 32, 293-302.	1.0	13
124	Encapsulation of Hydrophobic Dyes in Polystyrene Micro- and Nanoparticles via Swelling Procedures. <i>Journal of Fluorescence</i> , 2011, 21, 937-944.	1.3	99
125	MALDI-TOF imaging mass spectrometry of artifacts in "dried droplet" polymer samples. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 127-134.	1.9	29
126	Aerosol Emissions from Outdoor Firework Displays. <i>Chemical Engineering and Technology</i> , 2011, 34, 2044-2050.	0.9	11



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127	Multi-element screening in milk and feed by SF-ICP-MS. Food Chemistry, 2011, 124, 1223-1230.	4.2	61
128	Comparison of ICP-MS and photometric detection of an immunoassay for the determination of ochratoxin A in wine. Journal of Analytical Atomic Spectrometry, 2010, 25, 1567.	1.6	27
129	Triacetone Triperoxide (TATP): Hapten Design and Development of Antibodies. Langmuir, 2010, 26, 15418-15423.	1.6	20
130	A highly sensitive caffeine immunoassay based on a monoclonal antibody. Analytical and Bioanalytical Chemistry, 2010, 396, 2617-2628.	1.9	43
131	Process methodology for the small scale production of m6N5 purity zinc using a resistance heated vacuum distillation system. Materials Chemistry and Physics, 2010, 122, 151-155.	2.0	25
132	Molecular changes during pollen germination can be monitored by Raman microspectroscopy. Journal of Biophotonics, 2010, 3, 542-547.	1.1	23
133	Radiative models of laser-induced plasma and pump-probe diagnostics relevant to laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 345-359.	1.5	66
134	Mass spectrometric study of the impurity profile in Zn during reduction-distillation of ZnO with activated and inactivated Al. Journal of the American Society for Mass Spectrometry, 2010, 21, 1620-1623.	1.2	1
135	Comparison of different calibration strategies for the analysis of zinc and other pure metals by using the GD-MS instruments VG 9000 and Element GD. Journal of Analytical Atomic Spectrometry, 2010, 25, 314.	1.6	33
136	Combined Synchrotron XRD/Raman Measurements: <i>In Situ</i> Identification of Polymorphic Transitions during Crystallization Processes. Langmuir, 2010, 26, 11233-11237.	1.6	35
137	Different calibration strategies for the analysis of pure copper metal by nanosecond laser ablation inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 690.	1.6	16
138	Effects of non-uniformity of laser induced plasma on plasma temperature and concentrations determined by the Boltzmann plot method: implications from plasma modeling. Journal of Analytical Atomic Spectrometry, 2010, 25, 1643.	1.6	46
139	Real time monitoring of chemical transformations during catalytic reduction using gas source mass spectrometry: carbon/zinc carbonate hydroxide. Journal of Analytical Atomic Spectrometry, 2010, 25, 1378.	1.6	1
140	Use of mass spectrometric detection as a versatile process monitoring tool: reduction patterns in a milled ZnO/Al mixture. Analytical Methods, 2010, 2, 451.	1.3	2
141	Speciation of gadolinium based MRI contrast agents in environmental water samples using hydrophilic interaction chromatography hyphenated with inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 55-61.	1.6	50
142	A novel solid phase extraction method for pre-concentration of gadolinium and gadolinium based MRI contrast agents from the environment. Journal of Analytical Atomic Spectrometry, 2010, 25, 1573.	1.6	21
143	Applications of Raman and Surface-Enhanced Raman Scattering to the Analysis of Eukaryotic Samples. Biological and Medical Physics Series, 2010, , 71-95.	0.3	2
144	High-resolution phase analyses and early crystallization processes of cement. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s178-s178.	0.3	0

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145	Considerations with regard to the calculation of key comparison reference values and uncertainties. Accreditation and Quality Assurance, 2009, 14, 281-287.	0.4	2
146	Monitoring carbamazepine in surface and wastewaters by an immunoassay based on a monoclonal antibody. Analytical and Bioanalytical Chemistry, 2009, 395, 1809-1820.	1.9	84
147	Evaluation of different calibration strategies for the analysis of pure copper and zinc samples using femtosecond laser ablation ICP-MS. Analytical and Bioanalytical Chemistry, 2009, 395, 1471-1480.	1.9	21
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