

# Andreas Limbeck

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/20277/publications.pdf>

Version: 2024-02-01

153  
papers

5,204  
citations

87888

38  
h-index

106344

65  
g-index

154  
all docs

154  
docs citations

154  
times ranked

6332  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating oxygen reduction pathways on pristine SOFC cathode surfaces by <i>in situ</i> PLD impedance spectroscopy. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2305-2319.	10.3	20
2	Performance modulation through selective, homogenous surface doping of lanthanum strontium ferrite electrodes revealed by <i>in situ</i> PLD impedance measurements. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2973-2986.	10.3	6
3	Elemental mapping of fluorine by means of molecular laser induced breakdown spectroscopy. <i>Analytica Chimica Acta</i> , 2022, 1195, 339422.	5.4	11
4	Anisotropic super-hardness of hexagonal $W_{2-x}Z_x$ thin films. <i>Materials Research Letters</i> , 2022, 10, 70-77.	8.7	21
5	Combining electrochemical and quantitative elemental analysis to investigate the sulfur poisoning process of ceria thin film fuel electrodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1840-1851.	10.3	2
6	Multisensor hyperspectral imaging approach for the microchemical analysis of ultramarine blue pigments. <i>Scientific Reports</i> , 2022, 12, 707.	3.3	7
7	Influence of Si on the oxidation behavior of TM-Si-B $_{2-x}Z_x$ coatings (TM=Ti, Cr, Hf, Ta, W). <i>Surface and Coatings Technology</i> , 2022, 434, 128178.	4.8	23
8	Liquid- and Solid-based Separations Employing Ionic Liquids for the Recovery of Platinum Group Metals Typically Encountered in Catalytic Converters: A Review. <i>ChemSusChem</i> , 2022, 15, .	6.8	11
9	Benign recovery of platinum group metals from spent automotive catalysts using choline-based deep eutectic solvents. <i>Green Chemistry Letters and Reviews</i> , 2022, 15, 404-414.	4.7	14
10	Quantitative Depth Profiling Using Online-Laser Ablation of Solid Samples in Liquid (LASIL) to Investigate the Oxidation Behavior of Transition Metal Borides. <i>Molecules</i> , 2022, 27, 3221.	3.8	0
11	Unravelling the Origin of Ultra-low Conductivity in $SrTiO_3$ Thin Films: Sr Vacancies and Ti on A-sites Cause Fermi Level Pinning. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	5
12	Cation non-stoichiometry in $Fe:SrTiO_3$ thin films and its effect on the electrical conductivity. <i>Nanoscale Advances</i> , 2021, 3, 6114-6127.	4.6	4
13	Facile synthesis of Al-stabilized lithium garnets by a solution-combustion technique for all solid-state batteries. <i>Materials Advances</i> , 2021, 2, 5181-5188.	5.4	10
14	Methodology and applications of elemental mapping by laser induced breakdown spectroscopy. <i>Analytica Chimica Acta</i> , 2021, 1147, 72-98.	5.4	92
15	Multi-proxy analyses of a minerotrophic fen to reconstruct prehistoric periods of human activity associated with salt mining in the Hallstatt region (Austria). <i>Journal of Archaeological Science: Reports</i> , 2021, 36, 102813.	0.5	3
16	Influence of Ta on the oxidation resistance of $WB_{2-x}Z_x$ coatings. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158121.	5.5	18
17	Growth of $LixLaySrzMnO_3$ thin films by pulsed laser deposition: complex relation between thin film composition and deposition parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 473.	2.3	4
18	Jaws of <i>Platynereis dumerilii</i> : Miniature Biogenic Structures with Hardness Properties Similar to Those of Crystalline Metals. <i>Jom</i> , 2021, 73, 2390.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Glossary of methods and terms used in analytical spectroscopy (IUPAC Recommendations 2019). Pure and Applied Chemistry, 2021, 93, 647-776.	1.9	13
20	Quantitative analysis of the platinum surface decoration on lanthanum strontium iron oxide thin films via online-LASIL-ICP-MS. Microchemical Journal, 2021, 166, 106236.	4.5	5
21	Identification of 20 polymer types by means of laser-induced breakdown spectroscopy (LIBS) and chemometrics. Analytical and Bioanalytical Chemistry, 2021, 413, 6581-6594.	3.7	19
22	Strategies for trace metal quantification in polymer samples with an unknown matrix using Laser-Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 183, 106272.	2.9	8
23	Investigating the electrochemical stability of $\text{Li}_{7-x}\text{La}_3\text{Zr}_2\text{O}_{12}$ solid electrolytes using field stress experiments. Journal of Materials Chemistry A, 2021, 9, 15226-15237.	10.3	17
24	Correlation of $\text{L}^{\text{IV}}$ XRF and LA-ICP-MS in the analysis of a human bone-cartilage sample. Journal of Analytical Atomic Spectrometry, 2021, 36, 1512-1523.	3.0	10
25	Cytotoxicity, Retention, and Anti-inflammatory Effects of a $\text{CeO}_2$ Nanoparticle-Based Supramolecular Complex in a 3D Liver Cell Culture Model. ACS Pharmacology and Translational Science, 2021, 4, 101-106.	4.9	6
26	Toward the Recovery of Platinum Group Metals from a Spent Automotive Catalyst with Supported Ionic Liquid Phases. ACS Sustainable Chemistry and Engineering, 2021, 9, 375-386.	6.7	31
27	A Combined Deep Eutectic Solvent "Ionic Liquid Process for the Extraction and Separation of Platinum Group Metals (Pt, Pd, Rh). Molecules, 2021, 26, 7204.	3.8	9
28	Oxygen-rich tetrahedral surface phase on high-temperature rutile $\text{V}_2\text{O}_5$ single crystals. Physical Review Materials, 2021, 5, .	2.4	3
29	Spatially resolved polymer classification using laser induced breakdown spectroscopy (LIBS) and multivariate statistics. Talanta, 2020, 209, 120572.	5.5	22
30	Laser based analysis of transition metal boride thin films using liquid standards. Microchemical Journal, 2020, 152, 104449.	4.5	6
31	Type I Interferons Ameliorate Zinc Intoxication of Candida glabrata by Macrophages and Promote Fungal Immune Evasion. IScience, 2020, 23, 101121.	4.1	14
32	Toxic trace metals in size-segregated fine particulate matter: Mass concentration, respiratory deposition, and risk assessment. Environmental Pollution, 2020, 266, 115242.	7.5	22
33	Application of micro-dried droplets for quantitative analysis of particulate inorganic samples with LA-ICP-MS demonstrated on surface-modified nanoparticle $\text{TiO}_2$ catalyst materials. Mikrochimica Acta, 2020, 187, 641.	5.0	6
34	Combined LA-ICP-MS/LIBS: powerful analytical tools for the investigation of polymer alteration after treatment under corrosive conditions. Scientific Reports, 2020, 10, 12513.	3.3	18
35	Depletion of Boric Acid and Cobalt from Cultivation Media: Impact on Recombinant Protein Production with Komagataella phaffii. Bioengineering, 2020, 7, 161.	3.5	3
36	Quantitative imaging of structured complex metal oxide thin films using online-LASIL-ICP-MS. Talanta, 2020, 217, 121012.	5.5	7

#	ARTICLE	IF	CITATIONS
37	Outstanding Oxygen Reduction Kinetics of La <sub>0.6</sub> Sr <sub>0.4</sub> FeO <sub>3</sub> Surfaces Decorated with Platinum Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2020, 167, 104514.	2.9	15
38	Multivariate analysis and laser-induced breakdown spectroscopy (LIBS): a new approach for the spatially resolved classification of modern art materials. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3187-3198.	3.7	18
39	Combination of Different Approaches to Infer Local or Regional Contributions to PM2.5 Burdens in Graz, Austria. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4222.	2.5	3
40	Variances and in-variances in hierarchical porosity and composition, across femoral tissues from cow, horse, ostrich, emu, pig, rabbit, and frog. <i>Materials Science and Engineering C</i> , 2020, 117, 111234.	7.3	2
41	Type I Interferon Response Dysregulates Host Iron Homeostasis and Enhances <i>Candida glabrata</i> Infection. <i>Cell Host and Microbe</i> , 2020, 27, 454-466.e8.	11.0	41
42	In Situ Pt Photodeposition and Methanol Photooxidation on Pt/TiO <sub>2</sub> : Pt-Loading-Dependent Photocatalytic Reaction Pathways Studied by Liquid-Phase Infrared Spectroscopy. <i>ACS Catalysis</i> , 2020, 10, 2964-2977.	11.2	33
43	Singular charge fluctuations at a magnetic quantum critical point. <i>Science</i> , 2020, 367, 285-288.	12.6	55
44	Effect of boron incorporation on the bioactivity, structure, and mechanical properties of ordered mesoporous bioactive glasses. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1456-1465.	5.8	32
45	Spatially resolved stoichiometry determination of Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> solid-state electrolytes using LA-ICP-OES. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 972-983.	3.0	6
46	Ligand engineering of immobilized nanoclusters on surfaces: ligand exchange reactions with supported Au <sub>11</sub> (PPh <sub>3</sub> ) <sub>7</sub> Br <sub>3</sub> . <i>Nanoscale</i> , 2020, 12, 12809-12816.	5.6	19
47	Ca-doped rare earth perovskite materials for tailored exsolution of metal nanoparticles. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 1055-1070.	1.1	15
48	Valorisation of cheese whey as substrate and inducer for recombinant protein production in <i>E. coli</i> HMS174(DE3). <i>Bioresource Technology Reports</i> , 2019, 8, 100340.	2.7	17
49	Tailored and deep porosification of LTCC substrates with phosphoric acid. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3112-3119.	5.7	4
50	Electron-configuration stabilized (W,Al)B <sub>2</sub> solid solutions. <i>Acta Materialia</i> , 2019, 174, 398-405.	7.9	15
51	Local Li-ion conductivity changes within Al stabilized Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> and their relationship to three-dimensional variations of the bulk composition. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6818-6831.	10.3	30
52	Quantitative analysis of gadolinium doped cerium oxide thin films via online-LASIL-ICP-OES. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2333-2339.	3.0	7
53	Increased carbohydrate production from carbon dioxide in randomly mutated cells of cyanobacterial strain <i>Synechocystis</i> sp. PCC 6714: Bioprocess understanding and evaluation of productivities. <i>Bioresource Technology</i> , 2019, 273, 277-287.	9.6	30
54	FI-ICP-OES determination of Pb in drinking water after pre-concentration using magnetic nanoparticles coated with ionic liquid. <i>Microchemical Journal</i> , 2019, 146, 339-344.	4.5	20

#	ARTICLE	IF	CITATIONS
55	The origin of conductivity variations in Al-stabilized Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> ceramics. <i>Solid State Ionics</i> , 2018, 319, 203-208.	2.7	46
56	Interface Instability of Fe-Stabilized Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> versus Li Metal. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3780-3785.	3.1	83
57	ETV-ICP-OES analysis of trace elements in fly-ash samples - A fast and easy way for simplified routine determination. <i>Microchemical Journal</i> , 2018, 137, 496-501.	4.5	7
58	Chemoselective Supported Ionic-Liquid-Phase (SILP) Aldehyde Hydrogenation Catalyzed by an Fe(II) PNP Pincer Complex. <i>ACS Catalysis</i> , 2018, 8, 1048-1051.	11.2	59
59	Solution-based low-temperature synthesis of germanium nanorods and nanowires. <i>Monatshefte für Chemie</i> , 2018, 149, 1315-1320.	1.8	13
60	Fourier Transform Infrared (FT-IR) and Laser Ablation Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS) Imaging of Cerebral Ischemia: Combined Analysis of Rat Brain Thin Cuts Toward Improved Tissue Classification. <i>Applied Spectroscopy</i> , 2018, 72, 241-250.	2.2	17
61	Online-LASIL: Laser Ablation of Solid Samples in Liquid with online-coupled ICP-OES detection for direct determination of the stoichiometry of complex metal oxide thin layers. <i>Analytica Chimica Acta</i> , 2018, 1000, 93-99.	5.4	11
62	Prediction of filamentous process performance attributes by CSL quality assessment using mid-infrared spectroscopy and chemometrics. <i>Journal of Biotechnology</i> , 2018, 265, 93-100.	3.8	9
63	Fourier-Transform Infrared Imaging Spectroscopy and Laser Ablation-ICPMS New Vistas for Biochemical Analyses of Ischemic Stroke in Rat Brain. <i>Frontiers in Neuroscience</i> , 2018, 12, 647.	2.8	20
64	Multi-element analysis of size-segregated fine and ultrafine particulate via Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1043, 11-19.	5.4	13
65	Metal(loid) bioaccessibility and inhalation risk assessment: A comparison between an urban and an industrial area. <i>Environmental Research</i> , 2018, 165, 140-149.	7.5	64
66	Multisensor Imaging—From Sample Preparation to Integrated Multimodal Interpretation of LA-ICPMS and MALDI MS Imaging Data. <i>Analytical Chemistry</i> , 2018, 90, 8831-8837.	6.5	30
67	Metal analysis in polymers using tandem LA-ICP-MS/LIBS: eliminating matrix effects using multivariate calibration. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1631-1637.	3.0	23
68	Selective Hydrogenation of Aldehydes Using a Well-Defined Fe(II) PNP Pincer Complex in Biphasic Medium. <i>ChemCatChem</i> , 2018, 10, 4386-4394.	3.7	15
69	Revisiting the fission track method for the analysis of particles in safeguards environmental samples. <i>Talanta</i> , 2017, 167, 583-592.	5.5	6
70	Simple robust estimation of uranium isotope ratios in individual particles from LA-ICP-MS measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1155-1165.	3.0	7
71	A comparison of sample preparation strategies for biological tissues and subsequent trace element analysis using LA-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1805-1814.	3.7	51
72	On-line dynamic extraction system hyphenated to inductively coupled plasma optical emission spectrometry for automatic determination of oral bioaccessible trace metal fractions in airborne particulate matter. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2747-2756.	3.7	8

#	ARTICLE	IF	CITATIONS
73	Real-time impedance monitoring of oxygen reduction during surface modification of thin-film cathodes. <i>Nature Materials</i> , 2017, 16, 640-645.	27.5	146
74	Combining Dispersed Particle Extraction with Dried-Droplet Laser Ablation ICP-MS for Determining Platinum in Airborne Particulate Matter. <i>Applied Spectroscopy</i> , 2017, 71, 1613-1620.	2.2	3
75	Improvements in the direct analysis of advanced materials using ICP-based measurement techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 212-232.	3.0	52
76	FTIR-spectroscopic and LA-ICP-MS imaging for combined hyperspectral image analysis of tumor models. <i>Analytical Methods</i> , 2017, 9, 5464-5471.	2.7	15
77	Analysis of single fly ash particles using laser ablation ICP-MS – an approach achieving lateral elemental distribution information via imaging. <i>RSC Advances</i> , 2017, 7, 20510-20519.	3.6	4
78	Measuring Sodium Migration in Mold Compounds Using a Sodium Amalgam Electrode as an Infinite Source. , 2017, , .		1
79	Photosynthetic poly- $\beta$ -hydroxybutyrate accumulation in unicellular cyanobacterium <i>Synechocystis</i> sp. PCC 6714. <i>AMB Express</i> , 2017, 7, 143.	3.0	61
80	Mass Concentration and Size-Distribution of Atmospheric Particulate Matter in an Urban Environment. <i>Aerosol and Air Quality Research</i> , 2017, 17, 1142-1155.	2.1	24
81	Characterization of recombinant human diamine oxidase (rhDAO) produced in Chinese Hamster Ovary (CHO) cells. <i>Journal of Biotechnology</i> , 2016, 227, 120-130.	3.8	21
82	Development of a multi-variate calibration approach for quantitative analysis of oxidation resistant Mo-Si-B coatings using laser ablation inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 120, 57-62.	2.9	12
83	Dynamic etching of soluble surface layers with on-line inductively coupled plasma mass spectrometry detection – a novel approach for determination of complex metal oxide surface cation stoichiometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1638-1646.	3.0	10
84	Bioparticles coated with an ionic liquid for the pre-concentration of rare earth elements from microwave-digested tea samples and the subsequent quantification by ETV-ICP-OES. <i>Analytical Methods</i> , 2016, 8, 7808-7815.	2.7	7
85	Determination of residual chloride content in ionic liquids using LA-ICP-MS. <i>RSC Advances</i> , 2016, 6, 90273-90279.	3.6	3
86	Self-aliquoting micro-grooves in combination with laser ablation-ICP-mass spectrometry for the analysis of challenging liquids: quantification of lead in whole blood. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5671-5676.	3.7	8
87	Direct imaging of elemental distributions in tissue sections by laser ablation mass spectrometry. <i>Methods</i> , 2016, 104, 86-92.	3.8	15
88	Quantification of chloride in concrete samples using LA-ICP-MS. <i>Cement and Concrete Research</i> , 2016, 86, 78-84.	11.0	25
89	Mechanisms of Performance Degradation of (La,Sr)(Co,Fe)O <sub>3-<math>\delta</math></sub> Solid Oxide Fuel Cell Cathodes. <i>Journal of the Electrochemical Society</i> , 2016, 163, F581-F585.	2.9	118
90	Application of dried-droplets deposited on pre-cut filter paper disks for quantitative LA-ICP-MS imaging of biologically relevant minor and trace elements in tissue samples. <i>Analytica Chimica Acta</i> , 2016, 908, 54-62.	5.4	40

#	ARTICLE	IF	CITATIONS
91	Elemental mapping of biological samples by the combined use of LIBS and LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 252-258.	3.0	84
92	New Analysis Method for the Accurate Determination of Chloride Content in the Cement Phase of Concrete. , 2015, , .		3
93	Oxidation behavior and tribological properties of multilayered Ti-Al-N/Mo-Si-B thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, .	2.1	14
94	LA-ICP-MS of rare earth elements concentrated in cation-exchange resin particles for origin attribution of uranium ore concentrate. <i>Talanta</i> , 2015, 135, 41-49.	5.5	20
95	A metric for evaluation of the image quality of chemical maps derived from LA-ICP-MS experiments. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1809-1815.	3.0	17
96	The suitability of extraction solutions to assess bioaccessible trace metal fractions in airborne particulate matter: a comparison of common leaching agents. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16620-16630.	5.3	15
97	Recent advances in quantitative LA-ICP-MS analysis: challenges and solutions in the life sciences and environmental chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6593-6617.	3.7	240
98	Thermal stability and mechanical properties of boron enhanced Mo-Si coatings. <i>Surface and Coatings Technology</i> , 2015, 280, 282-290.	4.8	19
99	Solid solution hardening of vacancy stabilized Ti-W-B <sub>2</sub> . <i>Acta Materialia</i> , 2015, 101, 55-61.	7.9	45
100	Extraction and pre-concentration of platinum and palladium from microwave-digested road dust via ion exchanging mesoporous silica microparticles prior to their quantification by quadrupole ICP-MS. <i>Mikrochimica Acta</i> , 2015, 182, 2369-2376.	5.0	18
101	Surface chemistry of La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-<math>\delta</math></sub> thin films and its impact on the oxygen surface exchange resistance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22759-22769.	10.3	102
102	Quantitative analysis of trace elements in environmental powders with laser ablation inductively coupled mass spectrometry using non-sample-corresponding reference materials for signal evaluation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 113, 63-69.	2.9	11
103	Point defects at cleaved $\text{SrO}$ surfaces. <i>Physical Review B</i> . 2014, 90, .	3.2	12
104	Correlating surface cation composition and thin film microstructure with the electrochemical performance of lanthanum strontium cobaltite (LSC) electrodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7099-7108.	10.3	46
105	Application of gold thin-films for internal standardization in LA-ICP-MS imaging experiments. <i>Analyst</i> , 2014, 139, 1521.	3.5	52
106	Radial line-scans as representative sampling strategy in dried-droplet laser ablation of liquid samples deposited on pre-cut filter paper disks. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 101, 123-129.	2.9	30
107	Quantitative LA-ICP-MS imaging of platinum in chemotherapy treated human malignant pleural mesothelioma samples using printed patterns as standard. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 2159-2167.	3.0	42
108	Determination of rare earth elements in saline matrices using dispersed particle extraction and inductively coupled plasma mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1329-1337.	1.5	9

#	ARTICLE	IF	CITATIONS
109	Determination of Pt, Pd and Rh in Brassica Napus using solid sampling electrothermal vaporization inductively coupled plasma optical emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 89, 60-65.	2.9	25
110	Comparative analysis of the Trichoderma reesei transcriptome during growth on the cellulose inducing substrates wheat straw and lactose. Biotechnology for Biofuels, 2013, 6, 127.	6.2	100
111	Conductive AFM and chemical analysis of highly conductive paths in DC degraded PZT with Ag/Pd electrodes. Solid State Ionics, 2013, 244, 5-16.	2.7	11
112	A novel flow-injection method for simultaneous measurement of platinum (Pt), palladium (Pd) and rhodium (Rh) in aqueous soil extracts of contaminated soil by ICP-OES. Journal of Analytical Atomic Spectrometry, 2013, 28, 354.	3.0	31
113	Recent developments in assessment of bio-accessible trace metal fractions in airborne particulate matter: A review. Analytica Chimica Acta, 2013, 774, 11-25.	5.4	131
114	Dispersed particle extraction – A new procedure for trace element enrichment from natural aqueous samples with subsequent ICP-OES analysis. Talanta, 2013, 103, 145-152.	5.5	18
115	Characterization of rhinovirus subviral A particles via capillary electrophoresis, electron microscopy and gas phase electrophoretic mobility molecular analysis: Part II. Electrophoresis, 2013, 34, 1600-1609.	2.4	10
116	Comparison of the extraction efficiencies of different leaching agents for reliable assessment of bio-accessible trace metal fractions in airborne particulate matter. E3S Web of Conferences, 2013, 1, 05001.	0.5	4
117	A new approach for determination of crustal and trace elements in airborne particulate matter. International Journal of Environmental Analytical Chemistry, 2012, 92, 496-508.	3.3	5
118	Bulk and surface characterization of $\text{In}_2\text{O}_3(001)$ single crystals. Physical Review B, 2012, 85, .	3.2	62
119	Determination of water soluble trace metals in airborne particulate matter using a dynamic extraction procedure with on-line inductively coupled plasma optical emission spectrometric detection. Analytica Chimica Acta, 2012, 750, 111-119.	5.4	27
120	Bioaccessibility of palladium and platinum in urban aerosol particulates. Atmospheric Environment, 2012, 55, 213-219.	4.1	42
121	Development of an ETV-ICP-OES procedure for assessment of bio-accessible trace metal fractions in airborne particulate matter. Journal of Analytical Atomic Spectrometry, 2011, 26, 2081.	3.0	15
122	Relationship between Cation Segregation and the Electrochemical Oxygen Reduction Kinetics of $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ Thin Film Electrodes. Journal of the Electrochemical Society, 2011, 158, B727-B734.	2.9	183
123	Surface Cation Segregation and its Effect on the Oxygen Reduction Reaction on Mixed Conducting Electrodes Investigated by ToF-SIMS and ICP-OES. ECS Transactions, 2011, 35, 1975-1983.	0.5	2
124	On-line determination of water-soluble zinc in airborne particulate matter using a dynamic extraction procedure coupled to flame atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 1056.	3.0	15
125	Particulate Emissions from On-Road Vehicles. Environmental Science and Engineering, 2010, , 63-79.	0.2	5
126	Ultra-Trace Analysis of Palladium: State-of-the-Art and Future Challenges. Environmental Science and Engineering, 2010, , 217-234.	0.2	0



#	ARTICLE	IF	CITATIONS
127	Impact of mineral components and selected trace metals on ambient PM10 concentrations. Atmospheric Environment, 2009, 43, 530-538.	4.1	74
128	A new approach for the determination of silicon in airborne particulate matter using electrothermal atomic absorption spectrometry. Analytica Chimica Acta, 2009, 646, 17-22.	5.4	10
129	Determination of trace metal fractionation in aqueous solutions using a solid phase extraction flow injection system on-line coupled to ICP-AES. Journal of Analytical Atomic Spectrometry, 2009, 24, 1434.	3.0	13
130	Bioaccessibility of selected trace metals in urban PM2.5 and PM10 samples: a model study. Analytical and Bioanalytical Chemistry, 2008, 390, 1149-1157.	3.7	44
131	Size and composition of particulate emissions from motor vehicles in the KaisermÃ¼hlen-Tunnel, Vienna. Atmospheric Environment, 2008, 42, 2173-2186.	4.1	129
132	Automation and miniaturization of an on-line flow injection Sr/matrix separation method for accurate, high throughput determination of Sr isotope ratios by MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2008, 23, 1388.	3.0	17
133	Platinum and Palladium Emissions from On-Road Vehicles in the KaisermÃ¼hlen Tunnel (Vienna, Austria). Environmental Science & Technology, 2007, 41, 4938-4945.	10.0	36
134	Development of an On-Line Flow Injection Sr/Matrix Separation Method for Accurate, High-Throughput Determination of Sr Isotope Ratios by Multiple Collector-Inductively Coupled Plasma-Mass Spectrometry. Analytical Chemistry, 2007, 79, 5023-5029.	6.5	48
135	Seasonal trends and possible sources of brown carbon based on 2-year aerosol measurements at six sites in Europe. Journal of Geophysical Research, 2007, 112, .	3.3	169
136	Determination of water and alkaline extractable atmospheric humic-like substances with the TU Vienna HULIS analyzer in samples from six background sites in Europe. Journal of Geophysical Research, 2007, 112, .	3.3	85
137	Novel matrix separation on-line pre-concentration procedure for accurate quantification of palladium in environmental samples by isotope dilution inductively coupled plasma sector field mass spectrometry. Journal of Analytical Atomic Spectrometry, 2006, 21, 1287-1293.	3.0	16
138	Microwave-assisted UV-digestion procedure for the accurate determination of Pd in natural waters. Analytica Chimica Acta, 2006, 575, 114-119.	5.4	30
139	Short-Term Variation of Palladium in Airborne Particulate Matter. , 2006, , 381-396.		1
140	Carbon-Specific Analysis of Humic-like Substances in Atmospheric Aerosol and Precipitation Samples. Analytical Chemistry, 2005, 77, 7288-7293.	6.5	56
141	Gas to particle distribution of low molecular weight dicarboxylic acids at two different sites in central Europe (Austria). Journal of Aerosol Science, 2005, 36, 991-1005.	3.8	44
142	Seasonal variation of palladium, elemental carbon and aerosol mass concentrations in airborne particulate matter. Atmospheric Environment, 2004, 38, 1979-1987.	4.1	30
143	Particulate emissions from on-road vehicles in the KaisermÃ¼hlen-tunnel (Vienna, Austria). Atmospheric Environment, 2004, 38, 2187-2195.	4.1	94
144	Flow injection on-line pre-concentration of platinum coupled with electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 1474.	3.0	24

#	ARTICLE	IF	CITATIONS
145	ETAAS determination of palladium in environmental samples with on-line preconcentration and matrix separation. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 161-165.	3.0	69
146	Secondary organic aerosol formation in the atmosphere via heterogeneous reaction of gaseous isoprene on acidic particles. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	325
147	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.	3.0	121
148	<title>Clouds as habitat and seeders of active bacteria</title>. , 2002, , .		2
149	Semivolatile behavior of dicarboxylic acids and other polar organic species at a rural background site (Nyalsvley, RSA). <i>Atmospheric Environment</i> , 2001, 35, 1853-1862.	4.1	154
150	Dependence of in-cloud scavenging of polar organic aerosol compounds on the water solubility. <i>Journal of Geophysical Research</i> , 2000, 105, 19857-19867.	3.3	63
151	A GC-MS Method for the Determination of Polar Organic Compounds in Atmospheric Samples. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 73, 329-343.	3.3	16
152	Organic acids in continental background aerosols. <i>Atmospheric Environment</i> , 1999, 33, 1847-1852.	4.1	184
153	Formation and Detection of High-Pressure Oxygen in Closed Pores of La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> Solid Oxide Electrolysis Anodes. <i>ACS Applied Energy Materials</i> , 0, , .	5.1	3