

Andreas Limbeck

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148
papers

3,992
citations

35
h-index

58
g-index

154
ext. papers

4,603
ext. citations

5.7
avg, IF

5.71
L-index

#	Paper	IF	Citations
148	Secondary organic aerosol formation in the atmosphere via heterogeneous reaction of gaseous isoprene on acidic particles. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	284
147	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, 6593-617	4.4	189
146	Organic acids in continental background aerosols. <i>Atmospheric Environment</i> , 1999 , 33, 1847-1852	5.3	167
145	Relationship between Cation Segregation and the Electrochemical Oxygen Reduction Kinetics of La _{0.6} Sr _{0.4} CoO ₃ Thin Film Electrodes. <i>Journal of the Electrochemical Society</i> , 2011 , 158, B727	3.9	161
144	Seasonal trends and possible sources of brown carbon based on 2-year aerosol measurements at six sites in Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		143
143	Semivolatile behavior of dicarboxylic acids and other polar organic species at a rural background site (Nylsvley, RSA). <i>Atmospheric Environment</i> , 2001 , 35, 1853-1862	5.3	141
142	Real-time impedance monitoring of oxygen reduction during surface modification of thin film cathodes. <i>Nature Materials</i> , 2017 , 16, 640-645	27	114
141	Size and composition of particulate emissions from motor vehicles in the Kaisermühlen-Tunnel, Vienna. <i>Atmospheric Environment</i> , 2008 , 42, 2173-2186	5.3	108
140	Recent developments in assessment of bio-accessible trace metal fractions in airborne particulate matter: a review. <i>Analytica Chimica Acta</i> , 2013 , 774, 11-25	6.6	105
139	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	3.7	103
138	Mechanisms of Performance Degradation of (La,Sr)(Co,Fe)O ₃ -Solid Oxide Fuel Cell Cathodes. <i>Journal of the Electrochemical Society</i> , 2016 , 163, F581-F585	3.9	87
137	Comparative analysis of the <i>Trichoderma reesei</i> transcriptome during growth on the cellulase inducing substrates wheat straw and lactose. <i>Biotechnology for Biofuels</i> , 2013 , 6, 127	7.8	87
136	Particulate emissions from on-road vehicles in the Kaisermühlen-tunnel (Vienna, Austria). <i>Atmospheric Environment</i> , 2004 , 38, 2187-2195	5.3	82
135	Surface chemistry of La _{0.6} Sr _{0.4} CoO ₃ thin films and its impact on the oxygen surface exchange resistance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22759-22769	13	77
134	Determination of water and alkaline extractable atmospheric humic-like substances with the TU Vienna HULIS analyzer in samples from six background sites in Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		74
133	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	3.7	69
132	Impact of mineral components and selected trace metals on ambient PM ₁₀ concentrations. <i>Atmospheric Environment</i> , 2009 , 43, 530-538	5.3	66

131	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	3.7	58
130	Interface Instability of Fe-Stabilized LiLaZrO versus Li Metal. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3780-3785	3.8	55
129	Bulk and surface characterization of In ₂ O ₃ (001) single crystals. <i>Physical Review B</i> , 2012 , 85,	3.3	54
128	Dependence of in-cloud scavenging of polar organic aerosol compounds on the water solubility. <i>Journal of Geophysical Research</i> , 2000 , 105, 19857-19867		52
127	Carbon-specific analysis of humic-like substances in atmospheric aerosol and precipitation samples. <i>Analytical Chemistry</i> , 2005 , 77, 7288-93	7.8	51
126	Photosynthetic poly- γ -hydroxybutyrate accumulation in unicellular cyanobacterium <i>Synechocystis</i> sp. PCC 6714. <i>AMB Express</i> , 2017 , 7, 143	4.1	46
125	Application of gold thin-films for internal standardization in LA-ICP-MS imaging experiments. <i>Analyst, The</i> , 2014 , 139, 1521-31	5	45
124	Chemoselective Supported Ionic-Liquid-Phase (SILP) Aldehyde Hydrogenation Catalyzed by an Fe(II) PNP Pincer Complex. <i>ACS Catalysis</i> , 2018 , 8, 1048-1051	13.1	44
123	Improvements in the direct analysis of advanced materials using ICP-based measurement techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 212-232	3.7	43
122	Bioaccessibility of selected trace metals in urban PM _{2.5} and PM ₁₀ samples: a model study. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 1149-57	4.4	41
121	Metal(loid) bioaccessibility and inhalation risk assessment: A comparison between an urban and an industrial area. <i>Environmental Research</i> , 2018 , 165, 140-149	7.9	41
120	Bioaccessibility of palladium and platinum in urban aerosol particulates. <i>Atmospheric Environment</i> , 2012 , 55, 213-219	5.3	40
119	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. <i>Analytical Chemistry</i> , 2007 , 79, 5023-9	7.8	40
118	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	3.7	37
117	The origin of conductivity variations in Al-stabilized Li ₇ La ₃ Zr ₂ O ₁₂ ceramics. <i>Solid State Ionics</i> , 2018 , 319, 203-208	3.3	36
116	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	13	36
115	Gas to particle distribution of low molecular weight dicarboxylic acids at two different sites in central Europe (Austria). <i>Journal of Aerosol Science</i> , 2005 , 36, 991-1005	4.3	36
114	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	4.4	35

113	Solid solution hardening of vacancy stabilized Ti W1B2. <i>Acta Materialia</i> , 2015 , 101, 55-61	8.4	34
112	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	6.6	33
111	Methodology and applications of elemental mapping by laser induced breakdown spectroscopy. <i>Analytica Chimica Acta</i> , 2021 , 1147, 72-98	6.6	33
110	Platinum and palladium emissions from on-road vehicles in the Kaisermöhlen Tunnel (Vienna, Austria). <i>Environmental Science & Technology</i> , 2007 , 41, 4938-45	10.3	32
109	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	3.1	29
108	Seasonal variation of palladium, elemental carbon and aerosol mass concentrations in airborne particulate matter. <i>Atmospheric Environment</i> , 2004 , 38, 1979-1987	5.3	29
107	Microwave-assisted UV-digestion procedure for the accurate determination of Pd in natural waters. <i>Analytica Chimica Acta</i> , 2006 , 575, 114-9	6.6	28
106	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. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 354	3.7	27
105	Determination of Pt, Pd and Rh in Brassica Napus using solid sampling electrothermal vaporization inductively coupled plasma optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013 , 89, 60-65	3.1	25
104	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. <i>Analytica Chimica Acta</i> , 2012 , 750, 111-9	6.6	23
103	Increased carbohydrate production from carbon dioxide in randomly mutated cells of cyanobacterial strain Synechocystis sp. PCC 6714: Bioprocess understanding and evaluation of productivities. <i>Bioresource Technology</i> , 2019 , 273, 277-287	11	23
102	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	7.8	22
101	Type I Interferon Response Dysregulates Host Iron Homeostasis and Enhances Candida glabrata Infection. <i>Cell Host and Microbe</i> , 2020 , 27, 454-466.e8	23.4	21
100	Singular charge fluctuations at a magnetic quantum critical point. <i>Science</i> , 2020 , 367, 285-288	33.3	21
99	Local Li-ion conductivity changes within Al stabilized Li7La3Zr2O12 and their relationship to three-dimensional variations of the bulk composition. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6818-6831	13	21
98	Flow injection on-line pre-concentration of platinum coupled with electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 1474	3.7	20
97	In Situ Pt Photodeposition and Methanol Photooxidation on Pt/TiO2: Pt-Loading-Dependent Photocatalytic Reaction Pathways Studied by Liquid-Phase Infrared Spectroscopy. <i>ACS Catalysis</i> , 2020 , 10, 2964-2977	13.1	19
96	Characterization of recombinant human diamine oxidase (rhDAO) produced in Chinese Hamster Ovary (CHO) cells. <i>Journal of Biotechnology</i> , 2016 , 227, 120-130	3.7	18

95	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, 41-9	6.2	17
94	Dispersed particle extraction--a new procedure for trace element enrichment from natural aqueous samples with subsequent ICP-OES analysis. <i>Talanta</i> , 2013 , 103, 145-52	6.2	17
93	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	3.7	16
92	Thermal stability and mechanical properties of boron enhanced MoBi coatings. <i>Surface and Coatings Technology</i> , 2015 , 280, 282-290	4.4	16
91	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	7.3	16
90	Quantification of chloride in concrete samples using LA-ICP-MS. <i>Cement and Concrete Research</i> , 2016 , 86, 78-84	10.3	16
89	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. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 1388	3.7	16
88	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	4.8	16
87	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	5.8	15
86	FTIR-spectroscopic and LA-ICP-MS imaging for combined hyperspectral image analysis of tumor models. <i>Analytical Methods</i> , 2017 , 9, 5464-5471	3.2	15
85	Mass Concentration and Size-Distribution of Atmospheric Particulate Matter in an Urban Environment. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 1142-1155	4.6	15
84	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	5.1	15
83	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, 16620-30	5.1	14
82	On-line determination of water-soluble zinc in airborne particulate matter using a dynamic extraction procedure coupled to flame atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 1056	3.7	14
81	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. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 1287-1293	3.7	14
80	Toxic trace metals in size-segregated fine particulate matter: Mass concentration, respiratory deposition, and risk assessment. <i>Environmental Pollution</i> , 2020 , 266, 115242	9.3	14
79	Development of an ETV-ICP-OES procedure for assessment of bio-accessible trace metal fractions in airborne particulate matter. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 2081	3.7	13
78	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	1.8	13

77	Spatially resolved polymer classification using laser induced breakdown spectroscopy (LIBS) and multivariate statistics. <i>Talanta</i> , 2020 , 209, 120572	6.2	13
76	Solution-based low-temperature synthesis of germanium nanorods and nanowires. <i>Monatshefte für Chemie</i> , 2018 , 149, 1315-1320	1.4	12
75	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	3.1	12
74	Direct imaging of elemental distributions in tissue sections by laser ablation mass spectrometry. <i>Methods</i> , 2016 , 104, 86-92	4.6	12
73	Determination of trace metal fractionation in aqueous solutions using a solid phase extraction flow injection system on-line coupled to ICP-AES. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 1434	3.7	12
72	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	3.7	12
71	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, 05E129	2.9	11
70	Toward the Recovery of Platinum Group Metals from a Spent Automotive Catalyst with Supported Ionic Liquid Phases. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 375-386	8.3	11
69	Valorisation of cheese whey as substrate and inducer for recombinant protein production in E. coli HMS174(DE3). <i>Bioresource Technology Reports</i> , 2019 , 8, 100340	4.1	10
68	Point defects at cleaved Sr _{n+1} RunO _{3n+1} (001) surfaces. <i>Physical Review B</i> , 2014 , 90,	3.3	10
67	A new approach for the determination of silicon in airborne particulate matter using electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2009 , 646, 17-22	6.6	10
66	Development of a multi-variate calibration approach for quantitative analysis of oxidation resistant MoSiB coatings using laser ablation inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016 , 120, 57-62	3.1	10
65	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	6.6	10
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	6.6	10
63	Electron-configuration stabilized (W,Al)B ₂ solid solutions. <i>Acta Materialia</i> , 2019 , 174, 398-405	8.4	9
62	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	3.1	9
61	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, 1329-37	2.2	9
60	Influence of Ta on the oxidation resistance of WB ₂ coatings. <i>Journal of Alloys and Compounds</i> , 2021 , 864, 158121	5.7	9

59	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	3.7	9
58	Ligand engineering of immobilized nanoclusters on surfaces: ligand exchange reactions with supported Au(PPh)Br. <i>Nanoscale</i> , 2020 , 12, 12809-12816	7.7	8
57	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	4.4	8
56	Combined LA-ICP-MS/LIBS: powerful analytical tools for the investigation of polymer alteration after treatment under corrosive conditions. <i>Scientific Reports</i> , 2020 , 10, 12513	4.9	8
55	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	3.7	8
54	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	4.4	7
53	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	4.4	7
52	Selective Hydrogenation of Aldehydes Using a Well-Defined Fe(II) PNP Pincer Complex in Biphasic Medium. <i>ChemCatChem</i> , 2018 , 10, 4386-4394	5.2	7
51	Conductive AFM and chemical analysis of highly conductive paths in DC degraded PZT with Ag/Pd electrodes. <i>Solid State Ionics</i> , 2013 , 244, 5-16	3.3	7
50	Characterization of rhinovirus subviral A particles via capillary electrophoresis, electron microscopy and gas phase electrophoretic mobility molecular analysis: part II. <i>Electrophoresis</i> , 2013 , 34, 1600-9	3.6	7
49	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	1.8	7
48	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	3.2	7
47	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	3.7	6
46	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	4.8	6
45	Type I Interferons Ameliorate Zinc Intoxication of <i>Candida glabrata</i> by Macrophages and Promote Fungal Immune Evasion. <i>iScience</i> , 2020 , 23, 101121	6.1	6
44	Glossary of methods and terms used in analytical spectroscopy (IUPAC Recommendations 2019). <i>Pure and Applied Chemistry</i> , 2021 ,	2.1	6
43	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	3.7	6
42	Identification of 20 polymer types by means of laser-induced breakdown spectroscopy (LIBS) and chemometrics. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 6581-6594	4.4	6

41	Quantitative imaging of structured complex metal oxide thin films using online-LASIL-ICP-MS. <i>Talanta</i> , 2020 , 217, 121012	6.2	5
40	Outstanding Oxygen Reduction Kinetics of La _{0.6} Sr _{0.4} FeO ₃ Surfaces Decorated with Platinum Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 104514	3.9	5
39	Spatially resolved stoichiometry determination of Li ₇ La ₃ Zr ₂ O ₁₂ solid-state electrolytes using LA-ICP-OES. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 972-983	3.7	5
38	Influence of Si on the oxidation behavior of TM-Si-B ₂ O ₃ coatings (TM = Ti, Cr, Hf, Ta, W). <i>Surface and Coatings Technology</i> , 2022 , 434, 128178	4.4	5
37	Laser based analysis of transition metal boride thin films using liquid standards. <i>Microchemical Journal</i> , 2020 , 152, 104449	4.8	5
36	Revisiting the fission track method for the analysis of particles in safeguards environmental samples. <i>Talanta</i> , 2017 , 167, 583-592	6.2	4
35	Comparison of the extraction efficiencies of different leaching agents for reliable assessment of bio-accessible trace metal fractions in airborne particulate matter. <i>E3S Web of Conferences</i> , 2013 , 1, 050015	0.5	4
34	A new approach for determination of crustal and trace elements in airborne particulate matter. <i>International Journal of Environmental Analytical Chemistry</i> , 2012 , 92, 496-508	1.8	4
33	Particulate Emissions from On-Road Vehicles. <i>Environmental Science and Engineering</i> , 2010 , 63-79	0.2	4
32	Application of micro-dried droplets for quantitative analysis of particulate inorganic samples with LA-ICP-MS demonstrated on surface-modified nanoparticle TiO catalyst materials. <i>Mikrochimica Acta</i> , 2020 , 187, 641	5.8	4
31	Correlation of XRF and LA-ICP-MS in the analysis of a human bone-cartilage sample. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1512-1523	3.7	4
30	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	3.1	3
29	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	3.7	3
28	Investigating oxygen reduction pathways on pristine SOFC cathode surfaces by PLD impedance spectroscopy.. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 2305-2319	13	3
27	Cytotoxicity, Retention, and Anti-inflammatory Effects of a CeO Nanoparticle-Based Supramolecular Complex in a 3D Liver Cell Culture Model. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 101-106	5.9	3
26	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	3.3	3
25	Quantitative analysis of the platinum surface decoration on lanthanum strontium iron oxide thin films via online-LASIL-ICP-MS. <i>Microchemical Journal</i> , 2021 , 166, 106236	4.8	3
24	Strategies for trace metal quantification in polymer samples with an unknown matrix using Laser-Induced Breakdown Spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021 , 183, 106272	3.1	3

23	Investigating the electrochemical stability of LiLaZrO solid electrolytes using field stress experiments. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 15226-15237	13	3
22	Tailored and deep porosification of LTCC substrates with phosphoric acid. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3112-3119	6	2
21	New Analysis Method for the Accurate Determination of Chloride Content in the Cement Phase of Concrete 2015 ,		2
20	Surface Cation Segregation and its Effect on the Oxygen Reduction Reaction on Mixed Conducting Electrodes Investigated by ToF-SIMS and ICP-OES. <i>ECS Transactions</i> , 2011 , 35, 1975-1983	1	2
19	Anisotropic super-hardness of hexagonal WB ₂ thin films. <i>Materials Research Letters</i> , 2022 , 10, 70-77	7.4	2
18	A Combined Deep Eutectic Solvent-Ionic Liquid Process for the Extraction and Separation of Platinum Group Metals (Pt, Pd, Rh). <i>Molecules</i> , 2021 , 26,	4.8	2
17	Elemental mapping of fluorine by means of molecular laser induced breakdown spectroscopy.. <i>Analytica Chimica Acta</i> , 2022 , 1195, 339422	6.6	2
16	Growth of Li La Sr MnO 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	2.6	2
15	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	2
14	Combination of Different Approaches to Infer Local or Regional Contributions to PM _{2.5} Burdens in Graz, Austria. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4222	2.6	1
13	"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	8.3	1
12	Measuring Sodium Migration in Mold Compounds Using a Sodium Amalgam Electrode as an Infinite Source 2017 ,		1
11	Clouds as habitat and seeders of active bacteria 2002 ,		1
10	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	13	1
9	Performance modulation through selective, homogenous surface doping of lanthanum strontium ferrite electrodes revealed by PLD impedance measurements.. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 2973-2986	13	1
8	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	0.7	1
7	Jaws of <i>Platynereis dumerilii</i> : Miniature Biogenic Structures with Hardness Properties Similar to Those of Crystalline Metals. <i>Jom</i> , 2021 , 73, 2390	2.1	1
6	Determination of residual chloride content in ionic liquids using LA-ICP-MS. <i>RSC Advances</i> , 2016 , 6, 90273-90279	3.7	1

- 5 Multisensor hyperspectral imaging approach for the microchemical analysis of ultramarine blue pigments.. *Scientific Reports*, **2022**, 12, 707 4.9 ○
- 4 Cation non-stoichiometry in Fe:SrTiO thin films and its effect on the electrical conductivity. *Nanoscale Advances*, **2021**, 3, 6114-6127 5.1 ○
- 3 Short-Term Variation of Palladium in Airborne Particulate Matter **2006**, 381-396
- 2 Ultra-Trace Analysis of Palladium: State-of-the-Art and Future Challenges. *Environmental Science and Engineering*, **2010**, 217-234 0.2
- 1 Quantitative Depth Profiling Using Online-Laser Ablation of Solid Samples in Liquid (LASIL) to Investigate the Oxidation Behavior of Transition Metal Borides. *Molecules*, **2022**, 27, 3221 4.8