

# Joachim Koch

## List of Publications by Year in descending order

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16  
papers

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citations

840776

11  
h-index

940533

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16  
docs citations

16  
times ranked

754  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the State-of-the-Art of Laser Ablation Inductively Coupled Plasma Mass Spectrometry. <i>Applied Spectroscopy</i> , 2011, 65, 155-162.	2.2	221
2	Capabilities of inductively coupled plasma mass spectrometry for the detection of nanoparticles carried by monodisperse microdroplets. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1166.	3.0	137
3	Femtosecond laser ablation-ICP-mass spectrometry analysis of a heavy metallic matrix: Determination of platinum group metals and gold in lead fire-assay buttons as a case study. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1259.	3.0	42
4	Experimental and theoretical investigations about the vaporization of laser-produced aerosols and individual particles inside inductively-coupled plasmas – Implications for the extraction efficiency of ions prior to mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 76, 70-76.	2.9	39
5	Portable Laser Ablation Sampling Device for Elemental Fingerprinting of Objects Outside the Laboratory with Laser Ablation Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 5358-5364.	6.5	36
6	Accelerated evaporation of microdroplets at ambient conditions for the on-line analysis of nanoparticles by inductively-coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1707.	3.0	35
7	Comparison of 795 nm and 265 nm femtosecond and 193 nm nanosecond laser ablation inductively coupled plasma mass spectrometry for the quantitative multi-element analysis of glass materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1345.	3.0	35
8	Aerosol entrainment and a large-capacity gas exchange device (Q-GED) for laser ablation inductively coupled plasma mass spectrometry in atmospheric pressure air. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 831.	3.0	29
9	The effect of carrier gas humidity on the vaporization of laser-produced aerosols in inductively coupled plasmas. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 280-286.	3.0	29
10	Visualization, velocimetry, and mass spectrometric analysis of engineered and laser-produced particles passing through inductively coupled plasma sources. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 619.	3.0	21
11	Determining isotope ratios using laser ablation sampling in air with MC-ICPMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1513.	3.0	16
12	Demonstrating Rapid Qualitative Elemental Analyses of Participant-Supplied Objects at a Public Outreach Event. <i>Journal of Chemical Education</i> , 2016, 93, 1749-1753.	2.3	9
13	Optimizing the analyte introduction for <sup>14</sup> C laser ablation-AMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1813-1819.	3.0	8
14	Effects of H <sub>2</sub> O- and O <sub>2</sub> -containing He carrier gases on the <sup>206</sup> Pb/ <sup>238</sup> U system bias and down-hole fractionation in LA-ICPMS of zircon. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2238-2245.	3.0	6
15	Tracking mass removal of portable laser ablation sampling by its acoustic response. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 179, 106118.	2.9	6
16	Listening with Curiosity – Tracking the Acoustic Response of Portable Laser Ablation. <i>Chimia</i> , 2021, 75, 300.	0.6	5