

Koppenaar David W

List of Publications by Year in descending order

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21
papers

665
citations

516710

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h-index

752698

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21
all docs

21
docs citations

21
times ranked

557
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined atomic and molecular (CAM) ionization with the liquid sampling atmospheric pressure glow discharge microplasma. <i>Mass Spectrometry Reviews</i> , 2023, 42, 652-673.	5.4	7
2	Real-time characterization of particles produced by laser ablation for analysis by inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 179, 106092.	2.9	3
3	Rick Russo reminiscences. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 179, 106130.	2.9	0
4	Resolving Severe Elemental Isobaric Interferences with a Combined Atomic and Molecular Ionization Source Orbitrap Mass Spectrometry Approach: The ⁸⁷ Sr and ⁸⁷ Rb Geochronology Pair. <i>Analytical Chemistry</i> , 2021, 93, 11506-11514.	6.5	7
5	A multi-electrode glow discharge ionization source for atomic and molecular mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1969-1978.	3.0	16
6	Siderophore profiling of co-habiting soil bacteria by ultra-high resolution mass spectrometry. <i>Metallomics</i> , 2019, 11, 166-175.	2.4	19
7	Coupling of an atmospheric pressure microplasma ionization source with an Orbitrap Fusion Lumos Tribrid 1M mass analyzer for ultra-high resolution isotopic analysis of uranium. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1387-1395.	3.0	18
8	Ultra-High Resolution Elemental/Isotopic Mass Spectrometry (m/\bar{l} $\geq 1,000,000$): Coupling of the Liquid Sampling-Atmospheric Pressure Glow Discharge with an Orbitrap Mass Spectrometer for Applications in Biological Chemistry and Environmental Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1163-1168.	2.8	23
9	Ambient Metabolic Profiling and Imaging of Biological Samples with Ultrahigh Molecular Resolution Using Laser Ablation Electrospray Ionization 21 Tesla FTICR Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 5028-5035.	6.5	40
10	Concomitant ion effects on isotope ratio measurements with liquid sampling atmospheric pressure glow discharge ion source Orbitrap mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 251-259.	3.0	19
11	Micronutrient metal speciation is controlled by competitive organic chelation in grassland soils. <i>Soil Biology and Biochemistry</i> , 2018, 120, 283-291.	8.8	31
12	Unambiguous identification and discovery of bacterial siderophores by direct injection 21 Tesla Fourier transform ion cyclotron resonance mass spectrometry. <i>Metallomics</i> , 2017, 9, 82-92.	2.4	21
13	Determination of uranium isotope ratios using a liquid sampling atmospheric pressure glow discharge/Orbitrap mass spectrometer system. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1534-1540.	1.5	20
14	Preliminary Figures of Merit for Isotope Ratio Measurements: The Liquid Sampling-Atmospheric Pressure Glow Discharge Microplasma Ionization Source Coupled to an Orbitrap Mass Analyzer. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1393-1403.	2.8	33
15	21 Tesla Fourier Transform Ion Cyclotron Resonance Mass Spectrometer Greatly Expands Mass Spectrometry Toolbox. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1929-1936.	2.8	86
16	Isotope ratio characteristics and sensitivity for uranium determinations using a liquid sampling-atmospheric pressure glow discharge ion source coupled to an Orbitrap mass analyzer. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2355-2362.	3.0	31
17	Liquid sampling atmospheric pressure glow discharge (LS-APGD) ionization source for elemental mass spectrometry: preliminary parametric evaluation and figures of merit. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 261-268.	3.7	42
18	Liquid Sampling-Atmospheric Pressure Glow Discharge Ionization Source for Elemental Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 2425-2429.	6.5	76

#	ARTICLE	IF	CITATIONS
19	High-Resolution Inductively Coupled Plasma Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 1997, 69, 3714-3721.	6.5	51
20	Ion-trap mass spectrometry with an inductively coupled plasma source. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 71-76.	1.5	58
21	Performance of an inductively coupled plasma source ion trap mass spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 1053.	3.0	64