

# Grethe Wibetoe

## List of Publications by Year in descending order

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35  
papers

865  
citations

516710

16  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaching characterisation and geochemical modelling of minor and trace elements released from recycled concrete aggregates. <i>Cement and Concrete Research</i> , 2010, 40, 1639-1649.	11.0	120
2	Release of major elements from recycled concrete aggregates and geochemical modelling. <i>Cement and Concrete Research</i> , 2009, 39, 446-459.	11.0	109
3	Field site leaching from recycled concrete aggregates applied as sub-base material in road construction. <i>Science of the Total Environment</i> , 2012, 427-428, 86-97.	8.0	60
4	Simultaneous determination of hydride (Se) and non-hydride-forming (Ca, Mg, K, P, S and Zn) elements in various beverages (beer, coffee, and milk), with minimum sample preparation, by ICP-AES and use of a dual-mode sample-introduction system. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 173-179.	3.7	53
5	Dual mode sample introduction for multi-element determination by ICP-MS: the optimization and use of a method based on simultaneous introduction of vapor formed by NaBH <sub>4</sub> reaction and aerosol from the nebulizer. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1027.	3.0	48
6	Speciation analysis of As, Sb and Se in leachates of cementitious construction materials using selective solid phase extraction and ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 169-177.	3.0	38
7	Direct Analysis of Beer by ICP-AES: A Very Simple Method for the Determination of Cu, Mn and Fe. <i>Mikrochimica Acta</i> , 2005, 152, 61-68.	5.0	33
8	Comparison between hydride generation and nebulization for sample introduction in the determination of lead in plants and water samples by inductively coupled plasma mass spectrometry, using external calibration and isotope dilution. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 50-57.	2.9	33
9	Identification of Cu and Ni indicator plants from mineralised locations in Botswana. <i>Journal of Geochemical Exploration</i> , 2005, 86, 130-142.	3.2	32
10	Charge-based fractionation of oxyanion-forming metals and metalloids leached from recycled concrete aggregates of different degrees of carbonation: A comparison of laboratory and field leaching tests. <i>Waste Management</i> , 2011, 31, 253-258.	7.4	32
11	Determination of Cobalt, Nickel and Copper in Flowers, Leaves, Stem and Roots of Plants Using Ultrasonic Slurry Sampling Electrothermal Atomic Absorption Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 849-854.	3.0	31
12	Solid sampling electrothermal vaporization inductively coupled plasma optical emission spectrometry for discrimination of automotive paint samples in forensic analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1928.	3.0	31
13	A new demountable hydrofluoric acid resistant triple mode sample introduction system for ICP-AES and ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 158-163.	3.0	25
14	Multivariate optimization and simultaneous determination of hydride and non-hydride-forming elements in samples of a wide pH range using dual-mode sample introduction with plasma techniques: application on leachates from cement mortar material. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1015-1024.	3.7	24
15	Optimization of an anion-exchange high performance liquid chromatography-inductively coupled plasma-mass spectrometric method for the speciation analysis of oxyanion-forming metals and metalloids in leachates from cement-based materials. <i>Journal of Chromatography A</i> , 2010, 1217, 6186-6194.	3.7	23
16	Longitudinal distribution of thallium in human scalp hair determined by isotope dilution electrothermal vaporization inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 485-490.	3.0	21
17	Determination of gallium in soil by slurry-sampling graphite-furnace atomic-absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 820-826.	3.7	14
18	Fractionation analysis of oxyanion-forming metals and metalloids in leachates of cement-based materials using ion exchange solid phase extraction. <i>Talanta</i> , 2009, 78, 736-742.	5.5	13

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19	Graphite furnace atomic absorption spectrometry used for determination of total, EDTA and acetic acid extractable chromium and cobalt in soils. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 187-195.	3.7	12
20	Potential of Solid Sampling Electrothermal Vaporization for solving spectral interference in Inductively Coupled Plasma Optical Emission Spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 363-368.	2.9	12
21	Overcoming matrix interferences in ion-exchange solid phase extraction of As, Cr, Mo, Sb, Se and V species from leachates of cement-based materials using multiple extractions. <i>Talanta</i> , 2010, 82, 158-163.	5.5	12
22	Impregnation and Characterization of High Performance Extraction Columns for Separation of Metal Ions. <i>Solvent Extraction and Ion Exchange</i> , 2013, 31, 668-682.	2.0	12
23	Determination of antimony in wine by hydride generation graphite furnace atomic absorption spectrometry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 92-96.	1.5	11
24	Comparative study of stationary phases impregnated with acidic organophosphorus extractants for HPLC separation of rare earth elements. <i>Separation Science and Technology</i> , 2016, 51, 494-501.	2.5	11
25	Freon (CHF <sub>3</sub> )-assisted atomization for the determination of titanium using ultrasonic slurry sampling-graphite furnace atomic absorption spectrometry (USS-GFAAS): a simple and advantageous method for solid samples. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 526-531.	3.7	10
26	Accumulation patterns of Cu and Ni for <i>Indigofera melanadenia</i> and <i>Tephrosia longipes</i> plant species growing in Cu-Ni mining area in Botswana. <i>Journal of Geochemical Exploration</i> , 2008, 97, 21-28.	3.2	10
27	Determination of titanium by slurry sampling graphite furnace atomic absorption spectrometry with the use of fluoride modifiers. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 721-727.	3.7	8
28	A multi-element study on metallophytes from mineralized areas in Botswana using ICP-AES and ICP-MS. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2007, 7, 49-56.	0.9	8
29	A rapid impregnation method for loading desired amounts of extractant on prepacked reversed-phase columns for high performance liquid chromatographic separation of metal ions. <i>Journal of Chromatography A</i> , 2017, 1500, 76-83.	3.7	5
30	Comparison of single-phase and two-phase measurements in extraction, separation and back-extraction of Cd, Zn and Co from a multi-element matrix using Aliquat 336. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 1203-1214.	1.5	5
31	A simple separation system for elimination of molecular interferences for purity determination of europium and ytterbium oxides by HPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2594-2599.	3.0	4
32	Retention and elution of precious metals on cyano-modified solid phase microparticle sorbent. <i>Mikrochimica Acta</i> , 2013, 180, 981-987.	5.0	2
33	Study of Cadmium Extraction with Aliquat 336 from Highly Saline Solutions. <i>Journal of Solution Chemistry</i> , 2018, 47, 1395-1417.	1.2	2
34	Studies of metal species in water extracts from metallophytes employing solid phase extraction and size exclusion chromatography coupled to inductively coupled plasma mass spectrometry. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2011, 11, 225-231.	0.9	1
35	Heavy metal content in untreated forest soils in Southwest China. <i>Diqiu Huaxue</i> , 2006, 25, 103-103.	0.5	0