William Shotyk

List of Publications by Year
in descending order

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		18482	32842
238	13,137	62	100
papers	citations	h-index	g-index

247	247	247	7951
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of the 2016 Fort McMurray wildfires on atmospheric deposition of polycyclic aromatic hydrocarbons and trace elements to surrounding ombrotrophic bogs. Environment International, 2022, 158, 106910.	10.0	11
2	Size-fractionation of trace elements in dusty snow from open pit bitumen mines and upgraders: collection, handling, preparation and analysis of samples from the Athabasca bituminous sands region of Alberta, Canada. Environmental Science Atmospheres, 2022, 2, 428-440.	2.4	1
3	The Reading Palaeofire Database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records. Earth System Science Data, 2022, 14, 1109-1124.	9.9	9
4	Spatiotemporal variations of total and dissolved trace elements and their distributions amongst major colloidal forms along and across the lower Athabasca River. Journal of Hydrology: Regional Studies, 2022, 40, 101029.	2.4	3
5	Size and optical properties of dissolved organic matter in large boreal rivers during mixing: Implications for carbon transport and source discrimination. Journal of Hydrology: Regional Studies, 2022, 40, 101033.	2.4	4
6	Exploring Nanogeochemical Environments: New Insights from Single Particle ICP-TOFMS and AF4-ICPMS. ACS Earth and Space Chemistry, 2022, 6, 943-952.	2.7	9
7	Environmental significance of trace elements in the Athabasca Bituminous Sands: facts and misconceptions. Environmental Sciences: Processes and Impacts, 2022, 24, 1279-1302.	3.5	1
8	Delayed mixing of iron-laden tributaries in large boreal rivers: Implications for iron transport, water quality and monitoring. Journal of Hydrology, 2021, 597, 125747.	5.4	8
9	Chronic toxicity of waterborne thallium to Daphnia magna. Environmental Pollution, 2021, 268, 115776.	7.5	13
10	Trace metals as indicators of tree rooting in bituminous soils. Land Degradation and Development, 2021, 32, 1970-1980.	3.9	1
11	The Anthropocene: Comparing Its Meaning in Geology (Chronostratigraphy) with Conceptual Approaches Arising in Other Disciplines. Earth's Future, 2021, 9, e2020EF001896.	6.3	61
12	Trace elements in the Athabasca Bituminous Sands: A geochemical explanation for the paucity of environmental contamination by chalcophile elements. Chemical Geology, 2021, 581, 120392.	3.3	14
13	Trace elements in wild berries from reclaimed lands: Biomonitors of contamination by atmospheric dust. Ecological Indicators, 2020, 110, 105960.	6.3	13
14	Application of asymmetric flow field-flow fractionation to the study of aquatic systems: Coupled methods, challenges, and future needs. Journal of Chromatography A, 2020, 1632, 461600.	3.7	12
15	Extraordinary human energy consumption and resultant geological impacts beginning around 1950 CE initiated the proposed Anthropocene Epoch. Communications Earth & Environment, 2020, 1, .	6.8	101
16	Dissolved versus particulate forms of trace elements in the Athabasca River, upstream and downstream of bitumen mines and upgraders. Applied Geochemistry, 2020, 122, 104706.	3.0	18
17	Carbon and nitrogen accumulation rates in ombrotrophic peatlands of central and northern Alberta, Canada, during the last millennium. Biogeochemistry, 2020, 151, 251-272.	3.5	6
18	Lead immobilization processes in soils subjected to freeze-thaw cycles. Ecotoxicology and Environmental Safety, 2020, 192, 110288.	6.0	34

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19	Trace elements in Labrador Tea (Rhododendron groenlandicum): How predominant sources to the plants impact the chemical composition of hot water extracts. Environmental Research, 2020, 183, 109272.	7.5	13
20	Geochemical and biological controls on the ecological relevance of total, dissolved, and colloidal forms of trace elements in large boreal rivers: review and case studies. Environmental Reviews, 2020, 28, 138-163.	4.5	23
21	Comment on: â€œA novel approach to peatlands as archives of total cumulative spatial pollution loads from atmospheric deposition of airborne elements complementary to EMEP data: Priority pollutants (Pb, Cd, Hg)â€•by Ewa Miszczak, Sebastian Stefaniak, Adam MichczyÅ„ski, Eiliv Steinnes and Irena Twardowska. Science of the Total Environment, 2020, 737, 138699.	8.0	8
22	Natural and anthropogenic sources of copper to organic soils: a global, geochemical perspective. Canadian Journal of Soil Science, 2020, 100, 516-536.	1.2	4
23	Size-resolved analysis of trace elements in the dissolved fraction (<0.45 Î¼m) of soil solutions using a novel lysimeter and asymmetrical flow field-flow fractionation coupled to ultraviolet absorbance and inductively coupled plasma mass spectrometry. Canadian Journal of Soil Science, 2020, 100, 381-392.	1.2	8
24	An optimized HNO₃ and HBF₄ digestion method for multielemental soil and sediment analysis using inductively coupled plasma quadrupole mass spectrometry. Canadian Journal of Soil Science, 2020, 100, 393-407.	1.2	10
25	Sampling, handling, and preparation of peat cores from bogs: review of recent progress and perspectives for trace element research. Canadian Journal of Soil Science, 2020, 100, 363-380.	1.2	5
26	A geochemical perspective on the natural abundance and predominant sources of trace elements in cranberries (Vaccinium oxycoccus) from remote bogs in the Boreal region of northern Alberta, Canada. Science of the Total Environment, 2019, 650, 1652-1663.	8.0	21
27	Learning from the Past: Fires, Architecture, and Environmental Lead Emissions. Environmental Science & Technology, 2019, 53, 8482-8484.	10.0	11
28	The Effect of Major Ions and Dissolved Organic Matter on Complexation and Toxicity of Dissolved Thallium to Daphnia magna. Environmental Toxicology and Chemistry, 2019, 38, 2472-2479.	4.3	13
29	Atmospheric Hg accumulation rates determined using Sphagnum moss from ombrotrophic (rain-fed) bogs in the Athabasca Bituminous Sands region of northern Alberta, Canada. Ecological Indicators, 2019, 107, 105626.	6.3	6
30	EEM-PARAFAC-SOM for assessing variation in the quality of dissolved organic matter: simultaneous detection of differences by source and season. Environmental Chemistry, 2019, 16, 360.	1.5	19
31	Trace elements in berries collected near upgraders and open pit mines in the Athabasca Bituminous Sands Region (ABSR): Distinguishing atmospheric dust deposition from plant uptake. Science of the Total Environment, 2019, 670, 849-864.	8.0	30
32	A geochemical perspective on the natural abundance of trace elements in beaver (Castor canadensis) from a rural region of southern Ontario, Canada. Science of the Total Environment, 2019, 672, 40-50.	8.0	6
33	Contemporary and Historical Atmospheric Deposition of Arsenic and Selenium in the Athabasca Bituminous Sands Region. Environmental Science & Technology, 2019, 53, 14020-14028.	10.0	9
34	Spatial assessment of major and trace element concentrations from Lower Athabasca Region Trout-perch (Percopsis omiscomaycus) otoliths. Science of the Total Environment, 2019, 655, 363-373.	8.0	8
35	Bioaccumulation of Tl in otoliths of Trout-perch (Percopsis omiscomaycus) from the Athabasca River, upstream and downstream of bitumen mining and upgrading. Science of the Total Environment, 2019, 650, 2559-2566.	8.0	27
36	Impact of the Little Ice Age cooling and 20th century climate change on peatland vegetation dynamics in central and northern Alberta using a multi-proxy approach and high-resolution peat chronologies. Quaternary Science Reviews, 2018, 185, 230-243.	3.0	39

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37	Testate amoeba records indicate regional 20thâ€century lowering of water tables in ombrotrophic peatlands in centralâ€northern Alberta, Canada. Global Change Biology, 2018, 24, 2758-2774.	9.5	29
38	Selenium and sulphur in Athabasca bituminous sands mineral and bitumen fractions. Fuel, 2018, 224, 718-725.	6.4	14
39	Global Boundary Stratotype Section and Point (GSSP) for the Anthropocene Series: Where and how to look for potential candidates. Earth-Science Reviews, 2018, 178, 379-429.	9.1	153
40	Trace metals in soils of the bituminous sands mining region of Alberta: A critical, geochemical perspective on the study by Boutin and Carpenter (2017). Science of the Total Environment, 2018, 618, 866-869.	8.0	3
41	Methylated arsenic species throughout a 4-m deep core from a free-floating peat island. Science of the Total Environment, 2018, 621, 67-74.	8.0	10
42	Selenium in surface waters of the lower Athabasca River watershed: Chemical speciation and implications for aquatic life. Environmental Pollution, 2018, 243, 1343-1351.	7.5	26
43	Advances in the determination of humification degree in peat since : Applications in geochemical and paleoenvironmental studies. Earth-Science Reviews, 2018, 185, 163-178.	9.1	50
44	Estimating bioaccessibility of trace elements in particles suspended inÂthe Athabasca River using sequential extraction. Environmental Pollution, 2018, 240, 466-474.	7.5	23
45	Measuring the distribution of trace elements amongst dissolved colloidal species as a fingerprint for the contribution of tributaries to large boreal rivers. Science of the Total Environment, 2018, 642, 1242-1251.	8.0	39
46	High-resolution age modelling of peat bogs from northern Alberta, Canada, using pre- and post-bomb 14C, 210Pb and historical cryptotephra. Quaternary Geochronology, 2018, 47, 138-162.	1.4	25
47	Trace metals in the dissolved fraction (< 0.45 Î¼m) of the lower Athabasca River: Analytical challenges and environmental implications. Science of the Total Environment, 2017, 580, 660-669.	8.0	74
48	Arsenic speciation in the lower Athabasca River watershed: A geochemical investigation of the dissolved and particulate phases. Environmental Pollution, 2017, 224, 265-274.	7.5	37
49	Peat Bogs Document Decades of Declining Atmospheric Contamination by Trace Metals in the Athabasca Bituminous Sands Region. Environmental Science & Technology, 2017, 51, 6237-6249.	10.0	54
50	Sphagnum Moss as an Indicator of Contemporary Rates of Atmospheric Dust Deposition in the Athabasca Bituminous Sands Region. Environmental Science & Technology, 2017, 51, 7422-7431.	10.0	37
51	Major and trace elements in Sphagnum moss from four southern German bogs, and comparison with available moss monitoring data. Ecological Indicators, 2017, 78, 19-25.	6.3	29
52	Rapid peat accumulation favours the occurrence of both fen and bog microbial communities within a Mediterranean, free-floating peat island. Scientific Reports, 2017, 7, 8511.	3.3	9
53	Determination of ultratrace (<0.1 mg/kg) elements in Athabasca Bituminous Sands mineral and bitumen fractions using inductively coupled plasma sector field mass spectrometry (ICP-SFMS). Fuel, 2017, 206, 248-257.	6.4	35
54	Highly anomalous accumulation rates of C and N recorded by a relic, free-floating peatland in Central Italy. Scientific Reports, 2017, 7, 43040.	3.3	22

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55	Size-resolved Pb distribution in the Athabasca River shows snowmelt in the bituminous sands region an insignificant source of dissolved Pb. Scientific Reports, 2017, 7, 43622.	3.3	31
56	Characterization of Naphthenic Acids and Other Dissolved Organics in Natural Water from the Athabasca Oil Sands Region, Canada. Environmental Science & Technology, 2017, 51, 9524-9532.	10.0	59
57	Reconstructing Past Rates of Atmospheric Dust Deposition in the Athabasca Bituminous Sands Region Using Peat Cores from Bogs. Land Degradation and Development, 2017, 28, 2468-2481.	3.9	18
58	Validating modelled data on major and trace element deposition in southern Germany using Sphagnum moss. Atmospheric Environment, 2017, 167, 656-664.	4.1	10
59	Arctic plants take up mercury vapour. Nature, 2017, 547, 167-168.	27.8	15
60	AF4-ICPMS with the 300 Da Membrane To Resolve Metal-Bearing â€œColloidsâ€•< 1 kDa: Optimization, Fractogram Deconvolution, and Advanced Quality Control. Analytical Chemistry, 2017, 89, 8027-8035.	6.5	47
61	Dust is the dominant source of â€œheavy metalsâ€•to peat moss (Sphagnum fuscum) in the bogs of the Athabasca Bituminous Sands region of northern Alberta. Environment International, 2016, 92-93, 494-506.	10.0	73
62	Peat bogs in northern Alberta, Canada reveal decades of declining atmospheric Pb contamination. Geophysical Research Letters, 2016, 43, 9964-9974.	4.0	64
63	Isotopic Composition of Pb in Peat and Porewaters from Three Contrasting Ombrotrophic Bogs in Finland: Evidence of Chemical Diagenesis in Response to Acidification. Environmental Science & Technology, 2016, 50, 9943-9951.	10.0	20
64	Isotopic evolution of atmospheric Pb from metallurgical processing in Flin Flon, Manitoba: Retrospective analysis using peat cores from bogs. Environmental Pollution, 2016, 218, 338-348.	7.5	15
65	Airborne Petcoke Dust is a Major Source of Polycyclic Aromatic Hydrocarbons in the Athabasca Oil Sands Region. Environmental Science & Technology, 2016, 50, 1711-1720.	10.0	109
66	Seabird Transfer of Nutrients and Trace Elements from the North Water Polynya to Land during the Mid-Holocene Warm Period, Carey Islands, Northwest Greenland + Supplementary Appendix Figure S1 (See Article Tools). Arctic, 2016, 69, 253.	0.4	8
67	Response to Comment on â€œSphagnum Mosses from 21 Ombrotrophic Bogs in the Athabasca Bituminous Sands Region Show No Significant Atmospheric Contamination of â€˜Heavy Metalsâ€™â€• Environmental Science & Technology, 2015, 49, 6354-6357.	10.0	6
68	Stable (206Pb, 207Pb, 208Pb) and radioactive (210Pb) lead isotopes in 1year of growth of Sphagnum moss from four ombrotrophic bogs in southern Germany: Geochemical significance and environmental implications. Geochimica Et Cosmochimica Acta, 2015, 163, 101-125.	3.9	44
69	Changes in bacterial and archaeal community assemblages along an ombrotrophic peat bog profile. Biology and Fertility of Soils, 2014, 50, 815-826.	4.3	14
70	Sphagnum Mosses from 21 Ombrotrophic Bogs in the Athabasca Bituminous Sands Region Show No Significant Atmospheric Contamination of â€œHeavy Metalsâ€• Environmental Science & Technology, 2014, 48, 12603-12611.	10.0	90
71	Stibiconite (Sb3O6OH), senarmontite (Sb2O3) and valentinite (Sb2O3): Dissolution rates at pH 2â€“11 and isoelectric points. Geochimica Et Cosmochimica Acta, 2013, 109, 268-279.	3.9	41
72	Determination of 239Pu, 240Pu, 241Pu and 242Pu at femtogram and attogram levels â€“ evidence for the migration of fallout plutonium in an ombrotrophic peat bog profile. Environmental Sciences: Processes and Impacts, 2013, 15, 839.	3.5	30

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73	Comparative evaluation of the mineralogical composition of Sphagnum peat and their corresponding humic acids, and implications for understanding past dust depositions. Quaternary International, 2013, 306, 80-87.	1.5	15
74	Measurements of ²³⁶U in Ancient and Modern Peat Samples and Implications for Postdepositional Migration of Fallout Radionuclides. Environmental Science & Technology, 2013, 47, 5243-5250.	10.0	36
75	The Fate of Mineral Particles in Bulk Peat and Corresponding Humic Acids Throughout an Ombrotrophic Bog Profile: Atmospheric Dust Depositions vs Mineralization Processes. , 2013, , 61-65.		0
76	High-resolution palynology, climate change and human impact on a late Holocene peat bog on Haida Gwaii, British Columbia, Canada. Holocene, 2013, 23, 1572-1583.	1.7	12
77	Volcano- and climate-driven changes in atmospheric dust sources and fluxes since the Late Glacial in Central Europe. Geology, 2012, 40, 335-338.	4.4	52
78	Experimental study of the kinetics of ligand-promoted dissolution of stibnite (Sb2S3). Chemical Geology, 2012, 294-295, 165-172.	3.3	28
79	Stibnite (Sb2S3) oxidative dissolution kinetics from pH 1 to 11. Geochimica Et Cosmochimica Acta, 2012, 79, 127-139.	3.9	55
80	Interpreting the ash trend within ombrotrophic bog profiles: atmospheric dust depositions vs. mineralization processes. The Etang de la GruÃ¨re case study. Plant and Soil, 2012, 353, 1-9.	3.7	19
81	The Desorption of Antimony(V) from Sediments, Hydrous Oxides, and Clay Minerals by Carbonate, Phosphate, Sulfate, Nitrate, and Chloride. Journal of Environmental Quality, 2011, 40, 1143-1152.	2.0	31
82	Comparison of mercury and zinc profiles in peat and lake sediment archives with historical changes in emissions from the Flin Flon metal smelter, Manitoba, Canada. Science of the Total Environment, 2011, 409, 548-563.	8.0	52
83	Speciation of antimony in polyethylene terephthalate bottles. X-Ray Spectrometry, 2010, 39, 257-259.	1.4	11
84	Atmospheric Pb and Ti Accumulation Rates from Sphagnum Moss: Dependence upon Plant Productivity. Environmental Science & Technology, 2010, 44, 5509-5515.	10.0	30
85	The isotopic evolution of atmospheric Pb in central Ontario since AD 1800, and its impacts on the soils, waters, and sediments of a forested watershed, Kawagama Lake. Geochimica Et Cosmochimica Acta, 2010, 74, 1963-1981.	3.9	33
86	Trace elements in recent groundwater of an artesian flow system and comparison with snow: enrichments, depletions, and chemical evolution of the water. Journal of Environmental Monitoring, 2010, 12, 208-217.	2.1	38
87	Peat as an archive of atmospheric pollution and environmental change: a case study of lead in Europe. PAGES News, 2010, 18, 20-22.	0.1	25
88	Trace and ultratrace metals in bottled waters: Survey of sources worldwide and comparison with refillable metal bottles. Science of the Total Environment, 2009, 407, 1089-1096.	8.0	109
89	Chemical and spectroscopic investigation of porewater and aqueous extracts of corresponding peat samples throughout a bog core (Jura Mountains, Switzerland). Journal of Soils and Sediments, 2009, 9, 443-456.	3.0	29
90	Comparison of Hg concentrations in ombrotrophic peat and corresponding humic acids, and implications for the use of bogs as archives of atmospheric Hg deposition. Geoderma, 2009, 148, 399-404.	5.1	28

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91	Determination of trace element concentrations in natural freshwaters: How low is â€œlowâ€, and how low do we need to go?. Journal of Environmental Monitoring, 2009, 11, 1747.	2.1	24
92	Global atmospheric As and Bi contamination preserved in 3000 year old Arctic ice. Global Biogeochemical Cycles, 2009, 23, .	4.9	40
93	Atmospheric inputs of Ag and Tl to the Arctic: Comparison of a high resolution snow pit (AD) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Environment, 2008, 399, 78-89.	8.0	25
94	Atmospheric Sb in the Arctic during the past 16,000 years: Responses to climate change and human impacts. Global Biogeochemical Cycles, 2008, 22, .	4.9	31
95	Distribution of As, Cr, Ni, Rb, Ti and Zr between peat and its humic fraction along an undisturbed ombrotrophic bog profile (NW Switzerland). Applied Geochemistry, 2008, 23, 25-33.	3.0	35
96	Comment on â€œThe biosphere: A homogeniser of Pb-isotope signalsâ€•by C. Reimann, B. Flem, A. Arnoldussen, P. Englmaier, T.E. Finne, F. Koller and Ã˜. Nordgulen. Applied Geochemistry, 2008, 23, 2514-2518.	3.0	15
97	Humic acids role in Br accumulation along two ombrotrophic peat bog profiles. Geoderma, 2008, 146, 26-31.	5.1	24
98	Reply to the comments on â€œThe biosphere: A homogenizer of Pb-isotope signalsâ€•by Richard Bindler and William Shotyk. Applied Geochemistry, 2008, 23, 2527-2535.	3.0	8
99	Qualitative comparison between raw peat and related humic acids in an ombrotrophic bog profile. Organic Geochemistry, 2007, 38, 151-160.	1.8	112
100	Enrichment and depletion of major and trace elements, and radionuclides in ombrotrophic raw peat and corresponding humic acids. Geoderma, 2007, 141, 235-246.	5.1	51
101	Six millennia of atmospheric dust deposition in southern South America (Isla Navarino, Chile). Holocene, 2007, 17, 561-572.	1.7	40
102	Lead in Bottled Waters:Â Contamination from Glass and Comparison with Pristine Groundwater. Environmental Science & Technology, 2007, 41, 3508-3513.	10.0	52
103	Contamination of Bottled Waters with Antimony Leaching from Polyethylene Terephthalate (PET) Increases upon Storage. Environmental Science & Technology, 2007, 41, 1560-1563.	10.0	177
104	A 15,800-year record of atmospheric lead deposition on the Devon Island Ice Cap, Nunavut, Canada: Natural and anthropogenic enrichments, isotopic composition, and predominant sources. Global Biogeochemical Cycles, 2007, 21, n/a-n/a.	4.9	82
105	Biogeochemistry of Nickel and Its Release into the Environment. , 2007, , 1-29.		20
106	Highly Organic Soils as â€œWitnessesâ€•of Anthropogenic Pb, Cu, Zn, and 137Cs Inputs During Centuries. Water, Air, and Soil Pollution, 2007, 186, 263-271.	2.4	28
107	Contamination of Canadian and European bottled waters with antimony from PET containers. Journal of Environmental Monitoring, 2006, 8, 288.	2.1	179
108	Determination of arsenic in peat samples using HG-AFS and l-cysteine as pre-reductant. Journal of Analytical Atomic Spectrometry, 2006, 21, 204-207.	3.0	13

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109	An ultra-clean firn core from the Devon Island Ice Cap, Nunavut, Canada, retrieved using a titanium drill specially designed for trace element studies. Journal of Environmental Monitoring, 2006, 8, 406.	2.1	17
110	Comment on â€œDoes within-bog spatial variability of mercury and lead constrain reconstructions of absolute deposition rates from single peat records? The example of Store Mosse, Sweden,â€•by Richard Bindler, Malin Klarqvist, Jonatan Klaminder, and Johannes. Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	4.9	0
111	Spatial Distribution of Natural Enrichments of Arsenic, Selenium, and Uranium in a Minerotrophic Peatland, Gola di Lago, Canton Ticino, Switzerland. Environmental Science & Technology, 2006, 40, 6568-6574.	10.0	123
112	Use of Br and Se in Peat To Reconstruct the Natural and Anthropogenic Fluxes of Atmospheric Hg: A 10000-Year Record from Caribou Bog, Maine. Environmental Science & Technology, 2006, 40, 3188-3194.	10.0	49
113	Origin and fluxes of atmospheric REE entering an ombrotrophic peat bog in Black Forest (SW) Tj ETQq1 1 0.784314 rgBT /Overlock 1 2815-2826.	3.9	46
114	Recent organic matter accumulation in relation to some climatic factors in ombrotrophic peat bogs near heavy metal emission sources in Finland. Global and Planetary Change, 2006, 53, 259-268.	3.5	16
115	Evaluation of samplers and filter materials for the establishment of trace metal concentration profiles in peat bog porewaters using inductively coupled plasma-mass spectrometry. Analytica Chimica Acta, 2006, 558, 201-210.	5.4	19
116	Trends in atmospheric Cd deposition recorded in a 64-meter long ice-core and a 5-m snow pit record from Devon Island, Nunavut, Canada. Diqiu Huaxue, 2006, 25, 15-15.	0.5	0
117	Fate of calcite, apatite and feldspars in an ombrotrophic peat bog, Black Forest, Germany. Journal of the Geological Society, 2006, 163, 641-646.	2.1	38
118	Chapter 9 Weathering of inorganic matter in bogs. Developments in Earth Surface Processes, 2006, 9, 197-215.	2.8	8
119	Biogeochemistry and Cycling of Lead. Metal Ions in Biological Systems, 2005, 43, 239-275.	0.4	64
120	Analytical procedures for improved trace element detection limits in polar ice from Arctic Canada using ICP-SMS. Analytica Chimica Acta, 2005, 530, 291-298.	5.4	65
121	Direct determination of arsenic in acid digests of plant and peat samples using HG-AAS and ICP-SF-MS. Analytica Chimica Acta, 2005, 530, 307-316.	5.4	24
122	Improved determination of selenium in plant and peat samples using hydride generation-atomic fluorescence spectrometry (HG-AFS). Analytica Chimica Acta, 2005, 534, 255-261.	5.4	29
123	Analytical procedures for the determination of selected major (Al, Ca, Fe, K, Mg, Na, and Ti) and trace (Li, Mn, Sr, and Zn) elements in peat and plant samples using inductively coupled plasma-optical emission spectrometry. Analytica Chimica Acta, 2005, 540, 247-256.	5.4	41
124	Recent atmospheric Pb deposition at a rural site in southern Germany assessed using a peat core and snowpack, and comparison with other archives. Atmospheric Environment, 2005, 39, 6790-6801.	4.1	82
125	Energy-dispersive XRF spectrometer for Ti determination (TITAN). X-Ray Spectrometry, 2005, 34, 69-72.	1.4	27
126	Improved determination of arsenic in environmental and geological specimens using HG-AFS. Journal of Analytical Atomic Spectrometry, 2005, 20, 95.	3.0	23

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127	Natural abundance of Sb and Sc in pristine groundwaters, Springwater Township, Ontario, Canada, and implications for tracing contamination from landfill leachates. Journal of Environmental Monitoring, 2005, 7, 1238.	2.1	28
128	Lithogenic, oceanic and anthropogenic sources of atmospheric Sb to a maritime blanket bog, Myrarnar, Faroe Islands. Journal of Environmental Monitoring, 2005, 7, 1148.	2.1	36
129	Increasing atmospheric antimony contamination in the northern hemisphere: snow and ice evidence from Devon Island, Arctic Canada. Journal of Environmental Monitoring, 2005, 7, 1169.	2.1	134
130	Comparison of Atmospheric Deposition of Copper, Nickel, Cobalt, Zinc, and Cadmium Recorded by Finnish Peat Cores with Monitoring Data and Emission Records. Environmental Science & Technology, 2005, 39, 5989-5998.	10.0	79
131	Response to Comment on â€œAtmospheric Mercury Accumulation Rates between 5900 and 800 Calibrated Years BP in the High Arctic of Canada Recorded by Peat Hummocksâ€• Environmental Science & Technology, 2005, 39, 910-912.	10.0	3
132	Porewater Evidence of Metal (Cu, Ni, Co, Zn, Cd) Mobilization in an Acidic, Ombrotrophic Bog Impacted by a Smelter, Harjavalta, Finland and Comparison with Reference Sites. Environmental Science & Technology, 2005, 39, 8207-8213.	10.0	46
133	Comment on â€œAtmospheric Mercury Accumulation Rates between 5900 and 800 Calibrated Years BP in the High Arctic of Canada Recorded by Peat Hummocksâ€• Environmental Science & Technology, 2005, 39, 908-909.	10.0	4
134	Accumulation rates and predominant atmospheric sources of natural and anthropogenic Hg and Pb on the Faroe Islands. Geochimica Et Cosmochimica Acta, 2005, 69, 1-17.	3.9	108
135	Predominance of industrial Pb in recent snow (1994â€“2004) and ice (1842â€“1996) from Devon Island, Arctic Canada. Geophysical Research Letters, 2005, 32, .	4.0	77
136	Antimony: global environmental contaminant. Journal of Environmental Monitoring, 2005, 7, 1135.	2.1	64
137	Anthropogenic Impacts on the Biogeochemistry and Cycling of Antimony. , 2005, , 171-204.		25
138	Natural enrichment of arsenic in a minerotrophic peatland (Gola di Lago, Canton Ticino, Switzerland), and implications for the treatment of contaminated waters. , 2005, , 205-210.		0
139	Anthropogenic impacts on the biogeochemistry and cycling of antimony. Metal Ions in Biological Systems, 2005, 44, 171-203.	0.4	1
140	A Late-glacial and Holocene record of climatic change from a Swiss peat humification profile. Holocene, 2004, 14, 7-19.	1.7	57
141	Heavy Metal and Arsenic Profiles in Ombrogenous Peat Cores from Four Differently Loaded Areas in Finland. Water, Air, and Soil Pollution, 2004, 158, 277-294.	2.4	49
142	A record of Late Pleistocene and Holocene carbon accumulation and climate change from an equatorial peat bog(Kalimantan, Indonesia): implications for past, present and future carbon dynamics. Journal of Quaternary Science, 2004, 19, 625-635.	2.1	266
143	Identifying the sources and timing of ancient and medieval atmospheric lead pollution in England using a peat profile from Lindow bog, Manchester. Journal of Environmental Monitoring, 2004, 6, 502-510.	2.1	119
144	Optimising accuracy and precision of lead isotope measurement (206Pb, 207Pb, 208Pb) in acid digests of peat with ICP-SMS using individual mass discrimination correction. Journal of Analytical Atomic Spectrometry, 2004, 19, 354.	3.0	55

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145	Novel calibration procedure for improving trace element determinations in ice and water samples using ICP-SMS. Journal of Analytical Atomic Spectrometry, 2004, 19, 1017.	3.0	30
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