

William Shotyk

List of Publications by Year in descending order

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238
papers

13,137
citations

18482

62
h-index

32842

100
g-index

247
all docs

247
docs citations

247
times ranked

7951
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | History of Atmospheric Lead Deposition Since 12,370±14C yr BP from a Peat Bog, Jura Mountains, Switzerland. , 1998, 281, 1635-1640. | | 722 |
| 2 | Mercury in a Spanish Peat Bog: Archive of Climate Change and Atmospheric Metal Deposition. <i>Science</i> , 1999, 284, 939-942. | 12.6 | 436 |
| 3 | Interdependence of peat and vegetation in a tropical peat swamp forest. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 1885-1897. | 4.0 | 334 |
| 4 | Review of the inorganic geochemistry of peats and peatland waters. <i>Earth-Science Reviews</i> , 1988, 25, 95-176. | 9.1 | 296 |
| 5 | Critical examination of trace element enrichments and depletions in soils: As, Cr, Cu, Ni, Pb, and Zn in Swiss forest soils. <i>Science of the Total Environment</i> , 2000, 249, 257-280. | 8.0 | 290 |
| 6 | Atmospheric Pb Deposition since the Industrial Revolution Recorded by Five Swiss Peat Profiles: Enrichment Factors, Fluxes, Isotopic Composition, and Sources. <i>Environmental Science & Technology</i> , 1999, 33, 1340-1352. | 10.0 | 276 |
| 7 | 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. <i>Journal of Quaternary Science</i> , 2004, 19, 625-635. | 2.1 | 266 |
| 8 | Title is missing!. <i>Journal of Paleolimnology</i> , 2003, 30, 307-320. | 1.6 | 255 |
| 9 | Geochemistry of the peat bog at Etang de la Gruère, Jura Mountains, Switzerland, and its record of atmospheric Pb and lithogenic trace metals (Sc, Ti, Y, Zr, and REE) since 12,370 14 C yr BP. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2337-2360. | 3.9 | 253 |
| 10 | Two thousand years of atmospheric arsenic, antimony, and lead deposition recorded in an ombrotrophic peat bog profile, Jura Mountains, Switzerland. <i>Earth and Planetary Science Letters</i> , 1996, 145, E1-E7. | 4.4 | 249 |
| 11 | Peat bog archives of atmospheric metal deposition: geochemical evaluation of peat profiles, natural variations in metal concentrations, and metal enrichment factors. <i>Environmental Reviews</i> , 1996, 4, 149-183. | 4.5 | 223 |
| 12 | Anthropogenic contributions to atmospheric Hg, Pb and As accumulation recorded by peat cores from southern Greenland and Denmark dated using the 14C bomb pulse curve. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3991-4011. | 3.9 | 179 |
| 13 | Contamination of Canadian and European bottled waters with antimony from PET containers. <i>Journal of Environmental Monitoring</i> , 2006, 8, 288. | 2.1 | 179 |
| 14 | Contamination of Bottled Waters with Antimony Leaching from Polyethylene Terephthalate (PET) Increases upon Storage. <i>Environmental Science & Technology</i> , 2007, 41, 1560-1563. | 10.0 | 177 |
| 15 | A peat bog record of natural, pre-anthropogenic enrichments of trace elements in atmospheric aerosols since 12±370 14 C yr BP, and their variation with Holocene climate change. <i>Earth and Planetary Science Letters</i> , 2002, 199, 21-37. | 4.4 | 165 |
| 16 | Characterization of solid and aqueous phases of a peat bog profile using molecular fluorescence spectroscopy, ESR and FT-IR, and comparison with physical properties. <i>Organic Geochemistry</i> , 2003, 34, 49-60. | 1.8 | 158 |
| 17 | Global Boundary Stratotype Section and Point (GSSP) for the Anthropocene Series: Where and how to look for potential candidates. <i>Earth-Science Reviews</i> , 2018, 178, 379-429. | 9.1 | 153 |
| 18 | A new approach for quantifying cumulative, anthropogenic, atmospheric lead deposition using peat cores from bogs: Pb in eight Swiss peat bog profiles. <i>Science of the Total Environment</i> , 2000, 249, 281-295. | 8.0 | 149 |

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|----|--|------|-----------|
| 19 | A 14â€500 year record of the accumulation of atmospheric mercury in peat: volcanic signals, anthropogenic influences and a correlation to bromine accumulation. <i>Earth and Planetary Science Letters</i> , 2002, 202, 435-451. | 4.4 | 147 |
| 20 | Chemical composition, pH, and redox state of sulfur and iron in complete vertical porewater profiles from two Sphagnum peat bogs, Jura Mountains, Switzerland. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1143-1163. | 3.9 | 140 |
| 21 | The geochemistry of major and selected trace elements in a forested peat bog, Kalimantan, SE Asia, and its implications for past atmospheric dust deposition. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 2307-2323. | 3.9 | 137 |
| 22 | An Energy-dispersive Miniprobe Multielement Analyzer (EMMA) for direct analysis of Pb and other trace elements in peats. <i>Analytical and Bioanalytical Chemistry</i> , 1996, 354, 688-691. | 3.7 | 136 |
| 23 | Analytical procedures for the determination of selected trace elements in peat and plant samples by inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 1277-1289. | 2.9 | 136 |
| 24 | Geochemistry, mineralogy, and geochemical mass balance on major elements in two peat bog profiles (Jura Mountains, Switzerland). <i>Chemical Geology</i> , 1997, 138, 25-53. | 3.3 | 134 |
| 25 | Increasing atmospheric antimony contamination in the northern hemisphere: snow and ice evidence from Devon Island, Arctic Canada. <i>Journal of Environmental Monitoring</i> , 2005, 7, 1169. | 2.1 | 134 |
| 26 | Suggested protocol for collecting, handling and preparing peat cores and peat samples for physical, chemical, mineralogical and isotopic analyses. <i>Journal of Environmental Monitoring</i> , 2004, 6, 481-492. | 2.1 | 124 |
| 27 | Spatial Distribution of Natural Enrichments of Arsenic, Selenium, and Uranium in a Minerotrophic Peatland, Gola di Lago, Canton Ticino, Switzerland. <i>Environmental Science & Technology</i> , 2006, 40, 6568-6574. | 10.0 | 123 |
| 28 | Natural and anthropogenic enrichments of As, Cu, Pb, Sb, and Zn in ombrotrophic versus minerotrophic peat bog profiles, Jura Mountains, Switzerland. <i>Water, Air, and Soil Pollution</i> , 1996, 90, 375-405. | 2.4 | 122 |
| 29 | Identifying the sources and timing of ancient and medieval atmospheric lead pollution in England using a peat profile from Lindow bog, Manchester. <i>Journal of Environmental Monitoring</i> , 2004, 6, 502-510. | 2.1 | 119 |
| 30 | Sphagnum mosses as archives of recent and past atmospheric lead deposition in Switzerland. <i>Atmospheric Environment</i> , 1999, 33, 3751-3763. | 4.1 | 115 |
| 31 | Qualitative comparison between raw peat and related humic acids in an ombrotrophic bog profile. <i>Organic Geochemistry</i> , 2007, 38, 151-160. | 1.8 | 112 |
| 32 | Trace and ultratrace metals in bottled waters: Survey of sources worldwide and comparison with refillable metal bottles. <i>Science of the Total Environment</i> , 2009, 407, 1089-1096. | 8.0 | 109 |
| 33 | Airborne Petcoke Dust is a Major Source of Polycyclic Aromatic Hydrocarbons in the Athabasca Oil Sands Region. <i>Environmental Science & Technology</i> , 2016, 50, 1711-1720. | 10.0 | 109 |
| 34 | Accumulation rates and predominant atmospheric sources of natural and anthropogenic Hg and Pb on the Faroe Islands. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1-17. | 3.9 | 108 |
| 35 | Lead-210 Age Dating of Three Peat Cores in the Jura Mountains, Switzerland. <i>Water, Air, and Soil Pollution</i> , 1997, 100, 223-231. | 2.4 | 102 |
| 36 | Extraordinary human energy consumption and resultant geological impacts beginning around 1950 CE initiated the proposed Anthropocene Epoch. <i>Communications Earth & Environment</i> , 2020, 1, . | 6.8 | 101 |

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|----|--|------|-----------|
| 37 | Title is missing!. Water, Air, and Soil Pollution, 1997, 100, 297-310. | 2.4 | 98 |
| 38 | Archives of Atmospheric Lead Pollution. Die Naturwissenschaften, 1999, 86, 262-275. | 1.6 | 97 |
| 39 | Influence of digestion procedures on the determination of rare earth elements in peat and plant samples by USN-ICP-MS. Journal of Analytical Atomic Spectrometry, 2002, 17, 844-851. | 3.0 | 97 |
| 40 | New Peat Bog Record of Atmospheric Lead Pollution in Switzerland: Pb Concentrations, Enrichment Factors, Isotopic Composition, and Organolead Species. Environmental Science & Technology, 2002, 36, 3893-3900. | 10.0 | 95 |
| 41 | Comparative study of the temporal evolution of atmospheric lead deposition in Scotland and eastern Canada using blanket peat bogs. Science of the Total Environment, 2002, 292, 7-18. | 8.0 | 93 |
| 42 | The chronology of anthropogenic, atmospheric Pb deposition recorded by peat cores in three minerogenic peat deposits from Switzerland. Science of the Total Environment, 2002, 292, 19-31. | 8.0 | 93 |
| 43 | High-Resolution AMS ¹⁴ C Dating of Post-Bomb Peat Archives of Atmospheric Pollutants. Radiocarbon, 2001, 43, 495-515. | 1.8 | 90 |
| 44 | <i>Sphagnum</i> Mosses from 21 Ombrotrophic Bogs in the Athabasca Bituminous Sands Region Show No Significant Atmospheric Contamination of Heavy Metals. Environmental Science & Technology, 2014, 48, 12603-12611. | 10.0 | 90 |
| 45 | Predominant anthropogenic sources and rates of atmospheric mercury accumulation in southern Ontario recorded by peat cores from three bogs: comparison with natural background values (past). Environmental Science & Technology, 2014, 48, 12603-12611. | 10.0 | 90 |
| 46 | 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 |
| 47 | 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 |
| 48 | Millennial-Scale Records of Atmospheric Mercury Deposition Obtained from Ombrotrophic and Minerotrophic Peatlands in the Swiss Jura Mountains. Environmental Science & Technology, 2003, 37, 235-244. | 10.0 | 80 |
| 49 | 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 |
| 50 | Title is missing!. Water, Air, and Soil Pollution, 1997, 100, 311-324. | 2.4 | 78 |
| 51 | Predominance of industrial Pb in recent snow (1994-2004) and ice (1842-1996) from Devon Island, Arctic Canada. Geophysical Research Letters, 2005, 32, . | 4.0 | 77 |
| 52 | Enrichment of Cu, Ni, Zn, Pb and As in an ombrotrophic peat bog near a Cu-Ni smelter in Southwest Finland. Science of the Total Environment, 2002, 292, 81-89. | 8.0 | 75 |
| 53 | An analytical protocol for the determination of total mercury concentrations in solid peat samples. Science of the Total Environment, 2002, 292, 129-139. | 8.0 | 74 |
| 54 | Trace metals in the dissolved fraction ($\leq 0.45 \mu\text{m}$) of the lower Athabasca River: Analytical challenges and environmental implications. Science of the Total Environment, 2017, 580, 660-669. | 8.0 | 74 |

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|----|--|------|-----------|
| 55 | Dust is the dominant source of "heavy metals" to peat moss (<i>Sphagnum fuscum</i>) in the bogs of the Athabasca Bituminous Sands region of northern Alberta. <i>Environment International</i> , 2016, 92-93, 494-506. | 10.0 | 73 |
| 56 | A SIMS and XPS study of dissolving plagioclase. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 2247-2256. | 3.9 | 72 |
| 57 | Natural and antropogenic enrichments of trace metals in peat profiles. <i>International Journal of Coal Geology</i> , 1992, 20, 49-84. | 5.0 | 66 |
| 58 | Atmospheric deposition and mass balance of major and trace elements in two oceanic peat bog profiles, northern Scotland and the Shetland Islands. <i>Chemical Geology</i> , 1997, 138, 55-72. | 3.3 | 65 |
| 59 | Analytical procedures for improved trace element detection limits in polar ice from Arctic Canada using ICP-SMS. <i>Analytica Chimica Acta</i> , 2005, 530, 291-298. | 5.4 | 65 |
| 60 | Congruent and Incongruent Dissolution of Labradorite in Dilute, Acidic, Salt Solutions. <i>Journal of Geology</i> , 1991, 99, 429-442. | 1.4 | 64 |
| 61 | Atmospheric Deposition of V, Cr, and Ni since the Late Glacial: Effects of Climatic Cycles, Human Impacts, and Comparison with Crustal Abundances. <i>Environmental Science & Technology</i> , 2003, 37, 2658-2667. | 10.0 | 64 |
| 62 | Biogeochemistry and Cycling of Lead. <i>Metal Ions in Biological Systems</i> , 2005, 43, 239-275. | 0.4 | 64 |
| 63 | Antimony: global environmental contaminant. <i>Journal of Environmental Monitoring</i> , 2005, 7, 1135. | 2.1 | 64 |
| 64 | Peat bogs in northern Alberta, Canada reveal decades of declining atmospheric Pb contamination. <i>Geophysical Research Letters</i> , 2016, 43, 9964-9974. | 4.0 | 64 |
| 65 | The Anthropocene: Comparing Its Meaning in Geology (Chronostratigraphy) with Conceptual Approaches Arising in Other Disciplines. <i>Earth's Future</i> , 2021, 9, e2020EF001896. | 6.3 | 61 |
| 66 | Characterization of Naphthenic Acids and Other Dissolved Organics in Natural Water from the Athabasca Oil Sands Region, Canada. <i>Environmental Science & Technology</i> , 2017, 51, 9524-9532. | 10.0 | 59 |
| 67 | A Late-glacial and Holocene record of climatic change from a Swiss peat humification profile. <i>Holocene</i> , 2004, 14, 7-19. | 1.7 | 57 |
| 68 | Optimising accuracy and precision of lead isotope measurement (²⁰⁶ Pb, ²⁰⁷ Pb, ²⁰⁸ Pb) in acid digests of peat with ICP-SMS using individual mass discrimination correction. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 354. | 3.0 | 55 |
| 69 | Stibnite (Sb ₂ S ₃) oxidative dissolution kinetics from pH 1 to 11. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 79, 127-139. | 3.9 | 55 |
| 70 | Peat Bogs Document Decades of Declining Atmospheric Contamination by Trace Metals in the Athabasca Bituminous Sands Region. <i>Environmental Science & Technology</i> , 2017, 51, 6237-6249. | 10.0 | 54 |
| 71 | Concentrations and distribution of some polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs) in an ombrotrophic peat bog profile of Switzerland. <i>Science of the Total Environment</i> , 2001, 267, 67-85. | 8.0 | 52 |
| 72 | Lead in Bottled Waters: Contamination from Glass and Comparison with Pristine Groundwater. <i>Environmental Science & Technology</i> , 2007, 41, 3508-3513. | 10.0 | 52 |

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|----|--|------|-----------|
| 73 | 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. <i>Science of the Total Environment</i> , 2011, 409, 548-563. | 8.0 | 52 |
| 74 | Volcano- and climate-driven changes in atmospheric dust sources and fluxes since the Late Glacial in Central Europe. <i>Geology</i> , 2012, 40, 335-338. | 4.4 | 52 |
| 75 | Development of an ombrotrophic peat bog (low ash) reference material for the determination of elemental concentrations. <i>Journal of Environmental Monitoring</i> , 2004, 6, 493-501. | 2.1 | 51 |
| 76 | Antimony in recent, ombrotrophic peat from Switzerland and Scotland: Comparison with natural background values (5,320 to 8,020 ¹⁴ C yr BP) and implications for the global atmospheric Sb cycle. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a. | 4.9 | 51 |
| 77 | Enrichment and depletion of major and trace elements, and radionuclides in ombrotrophic raw peat and corresponding humic acids. <i>Geoderma</i> , 2007, 141, 235-246. | 5.1 | 51 |
| 78 | Advances in the determination of humification degree in peat since : Applications in geochemical and paleoenvironmental studies. <i>Earth-Science Reviews</i> , 2018, 185, 163-178. | 9.1 | 50 |
| 79 | Heavy Metal and Arsenic Profiles in Ombrogenous Peat Cores from Four Differently Loaded Areas in Finland. <i>Water, Air, and Soil Pollution</i> , 2004, 158, 277-294. | 2.4 | 49 |
| 80 | 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. <i>Environmental Science & Technology</i> , 2006, 40, 3188-3194. | 10.0 | 49 |
| 81 | AF4-ICPMS with the 300 Da Membrane To Resolve Metal-Bearing "Colloids" < 1 kDa: Optimization, Fractogram Deconvolution, and Advanced Quality Control. <i>Analytical Chemistry</i> , 2017, 89, 8027-8035. | 6.5 | 47 |
| 82 | 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. <i>Environmental Science & Technology</i> , 2005, 39, 8207-8213. | 10.0 | 46 |
| 83 | Origin and fluxes of atmospheric REE entering an ombrotrophic peat bog in Black Forest (SW) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2815-2826. | 3.9 | 46 |
| 84 | Determination of Pb in the ash fraction of plants and peats using the Energy-dispersive Miniprobe Multielement Analyser (EMMA). <i>Analyst</i> , The, 1998, 123, 2097-2102. | 3.5 | 44 |
| 85 | Natural and anthropogenic enrichments of molybdenum, thorium, and uranium in a complete peat bog profile, Jura Mountains, Switzerland. <i>Journal of Environmental Monitoring</i> , 2004, 6, 418-426. | 2.1 | 44 |
| 86 | Stable (²⁰⁶ Pb, ²⁰⁷ Pb, ²⁰⁸ Pb) and radioactive (²¹⁰ Pb) lead isotopes in 1 year of growth of Sphagnum moss from four ombrotrophic bogs in southern Germany: Geochemical significance and environmental implications. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 163, 101-125. | 3.9 | 44 |
| 87 | Digestion procedures for the determination of antimony and arsenic in small amounts of peat samples by hydride generation"atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2001, 432, 303-310. | 5.4 | 43 |
| 88 | Pore-water indicators of rainwater-dominated versus groundwater-dominated peat bog profiles (Jura) Tj ETQq0 0 0 rgBT /Overlock 10 T 3-3 42 | 3.3 | 42 |
| 89 | An energy-dispersive miniprobe multielement analyzer (EMMA) for direct analysis of trace elements and chemical age dating of single mineral grains. <i>Chemical Geology</i> , 1997, 135, 75-87. | 3.3 | 42 |
| 90 | Two thousand years of atmospheric rare earth element (REE) deposition as revealed by an ombrotrophic peat bog profile, Jura Mountains, Switzerland. <i>Journal of Environmental Monitoring</i> , 2003, 5, 111-121. | 2.1 | 42 |

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|-----|---|------|-----------|
| 91 | Direct Determination of Lead Isotopes (206Pb,207Pb,208Pb) in Arctic Ice Samples at Picogram per Gram Levels Using Inductively Coupled Plasma-Sector Field MS Coupled with a High-Efficiency Sample Introduction System. <i>Analytical Chemistry</i> , 2004, 76, 5510-5517. | 6.5 | 42 |
| 92 | The behaviour of major and trace elements in complete vertical peat profiles from three Sphagnum bogs. <i>International Journal of Coal Geology</i> , 1990, 15, 163-190. | 5.0 | 41 |
| 93 | 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. <i>Analytica Chimica Acta</i> , 2005, 540, 247-256. | 5.4 | 41 |
| 94 | Stibiconite (Sb ₃ O ₆ OH), senarmontite (Sb ₂ O ₃) and valentinite (Sb ₂ O ₃): Dissolution rates at pH 2-11 and isoelectric points. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 109, 268-279. | 3.9 | 41 |
| 95 | Six millennia of atmospheric dust deposition in southern South America (Isla Navarino, Chile). <i>Holocene</i> , 2007, 17, 561-572. | 1.7 | 40 |
| 96 | Global atmospheric As and Bi contamination preserved in 3000 year old Arctic ice. <i>Global Biogeochemical Cycles</i> , 2009, 23, . | 4.9 | 40 |
| 97 | Atmospheric deposition of silver and thallium since 12,370-14C years BP recorded by a Swiss peat bog profile, and comparison with lead and cadmium. <i>Journal of Environmental Monitoring</i> , 2004, 6, 427-433. | 2.1 | 39 |
| 98 | Atmospheric Mercury Accumulation Rates Between 5900 and 800 Calibrated Years BP in the High Arctic of Canada Recorded by Peat Hummocks. <i>Environmental Science & Technology</i> , 2004, 38, 4964-4972. | 10.0 | 39 |
| 99 | 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. <i>Quaternary Science Reviews</i> , 2018, 185, 230-243. | 3.0 | 39 |
| 100 | Measuring the distribution of trace elements amongst dissolved colloidal species as a fingerprint for the contribution of tributaries to large boreal rivers. <i>Science of the Total Environment</i> , 2018, 642, 1242-1251. | 8.0 | 39 |
| 101 | Summary of the Workshop on Peat Bog Archives of Atmospheric Metal Deposition. <i>Water, Air, and Soil Pollution</i> , 1997, 100, 213-219. | 2.4 | 38 |
| 102 | Fate of calcite, apatite and feldspars in an ombrotrophic peat bog, Black Forest, Germany. <i>Journal of the Geological Society</i> , 2006, 163, 641-646. | 2.1 | 38 |
| 103 | Trace elements in recent groundwater of an artesian flow system and comparison with snow: enrichments, depletions, and chemical evolution of the water. <i>Journal of Environmental Monitoring</i> , 2010, 12, 208-217. | 2.1 | 38 |
| 104 | Arsenic speciation in the lower Athabasca River watershed: A geochemical investigation of the dissolved and particulate phases. <i>Environmental Pollution</i> , 2017, 224, 265-274. | 7.5 | 37 |
| 105 | <i>Sphagnum</i> Moss as an Indicator of Contemporary Rates of Atmospheric Dust Deposition in the Athabasca Bituminous Sands Region. <i>Environmental Science & Technology</i> , 2017, 51, 7422-7431. | 10.0 | 37 |
| 106 | Lithogenic, oceanic and anthropogenic sources of atmospheric Sb to a maritime blanket bog, Myrarnar, Faroe Islands. <i>Journal of Environmental Monitoring</i> , 2005, 7, 1148. | 2.1 | 36 |
| 107 | Measurements of ²³⁶ U in Ancient and Modern Peat Samples and Implications for Postdepositional Migration of Fallout Radionuclides. <i>Environmental Science & Technology</i> , 2013, 47, 5243-5250. | 10.0 | 36 |
| 108 | Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1997, 100, 289-296. | 2.4 | 35 |

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|-----|--|------|-----------|
| 109 | Distribution of As, Cr, Ni, Rb, Ti and Zr between peat and its humic fraction along an undisturbed ombrotrophic bog profile (NW Switzerland). <i>Applied Geochemistry</i> , 2008, 23, 25-33. | 3.0 | 35 |
| 110 | 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). <i>Fuel</i> , 2017, 206, 248-257. | 6.4 | 35 |
| 111 | Ion chromatography of organic-rich natural waters from peatlands. <i>Journal of Chromatography A</i> , 1993, 640, 309-316. | 3.7 | 34 |
| 112 | Lead immobilization processes in soils subjected to freeze-thaw cycles. <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110288. | 6.0 | 34 |
| 113 | Incongruent and congruent dissolution of plagioclase feldspar: effect of feldspar composition and ligand complexation. <i>Geoderma</i> , 1992, 55, 55-78. | 5.1 | 33 |
| 114 | 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. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1963-1981. | 3.9 | 33 |
| 115 | Determination of antimony in plant and peat samples by hydride generation-atomic fluorescence spectrometry (HG-AFS). <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 1256. | 3.0 | 31 |
| 116 | Atmospheric Sb in the Arctic during the past 16,000 years: Responses to climate change and human impacts. <i>Global Biogeochemical Cycles</i> , 2008, 22, . | 4.9 | 31 |
| 117 | The Desorption of Antimony(V) from Sediments, Hydrous Oxides, and Clay Minerals by Carbonate, Phosphate, Sulfate, Nitrate, and Chloride. <i>Journal of Environmental Quality</i> , 2011, 40, 1143-1152. | 2.0 | 31 |
| 118 | Size-resolved Pb distribution in the Athabasca River shows snowmelt in the bituminous sands region an insignificant source of dissolved Pb. <i>Scientific Reports</i> , 2017, 7, 43622. | 3.3 | 31 |
| 119 | Novel calibration procedure for improving trace element determinations in ice and water samples using ICP-SMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1017. | 3.0 | 30 |
| 120 | Atmospheric Pb and Ti Accumulation Rates from <i>Sphagnum</i> Moss: Dependence upon Plant Productivity. <i>Environmental Science & Technology</i> , 2010, 44, 5509-5515. | 10.0 | 30 |
| 121 | Determination of ^{239}Pu , ^{240}Pu , ^{241}Pu and ^{242}Pu at femtogram and attogram levels – evidence for the migration of fallout plutonium in an ombrotrophic peat bog profile. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 839. | 3.5 | 30 |
| 122 | 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. <i>Science of the Total Environment</i> , 2019, 670, 849-864. | 8.0 | 30 |
| 123 | Improved determination of selenium in plant and peat samples using hydride generation-atomic fluorescence spectrometry (HG-AFS). <i>Analytica Chimica Acta</i> , 2005, 534, 255-261. | 5.4 | 29 |
| 124 | Chemical and spectroscopic investigation of porewater and aqueous extracts of corresponding peat samples throughout a bog core (Jura Mountains, Switzerland). <i>Journal of Soils and Sediments</i> , 2009, 9, 443-456. | 3.0 | 29 |
| 125 | Major and trace elements in <i>Sphagnum</i> moss from four southern German bogs, and comparison with available moss monitoring data. <i>Ecological Indicators</i> , 2017, 78, 19-25. | 6.3 | 29 |
| 126 | Testate amoeba records indicate regional 20th-century lowering of water tables in ombrotrophic peatlands in central-northern Alberta, Canada. <i>Global Change Biology</i> , 2018, 24, 2758-2774. | 9.5 | 29 |

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|-----|---|-----|-----------|
| 127 | Determination of nitrate, phosphate and organically bound phosphorus in coral skeletons by ion chromatography. <i>Journal of Chromatography A</i> , 1995, 706, 209-213. | 3.7 | 28 |
| 128 | Natural abundance of Sb and Sc in pristine groundwaters, Springwater Township, Ontario, Canada, and implications for tracing contamination from landfill leachates. <i>Journal of Environmental Monitoring</i> , 2005, 7, 1238. | 2.1 | 28 |
| 129 | Highly Organic Soils as "Witnesses" of Anthropogenic Pb, Cu, Zn, and ¹³⁷ Cs Inputs During Centuries. <i>Water, Air, and Soil Pollution</i> , 2007, 186, 263-271. | 2.4 | 28 |
| 130 | Comparison of Hg concentrations in ombrotrophic peat and corresponding humic acids, and implications for the use of bogs as archives of atmospheric Hg deposition. <i>Geoderma</i> , 2009, 148, 399-404. | 5.1 | 28 |
| 131 | Experimental study of the kinetics of ligand-promoted dissolution of stibnite (Sb ₂ S ₃). <i>Chemical Geology</i> , 2012, 294-295, 165-172. | 3.3 | 28 |
| 132 | Inter-method comparison for the determination of antimony and arsenic in peat samples. <i>Analytica Chimica Acta</i> , 2002, 458, 387-396. | 5.4 | 27 |
| 133 | Energy-dispersive XRF spectrometer for Ti determination (TITAN). <i>X-Ray Spectrometry</i> , 2005, 34, 69-72. | 1.4 | 27 |
| 134 | Bioaccumulation of Tl in otoliths of Trout-perch (<i>Percopsis omiscomaycus</i>) from the Athabasca River, upstream and downstream of bitumen mining and upgrading. <i>Science of the Total Environment</i> , 2019, 650, 2559-2566. | 8.0 | 27 |
| 135 | Fluorescence Quenching and Aluminum Complexation by a Chestnut Leaf Litter Extract. <i>Soil Science Society of America Journal</i> , 1988, 52, 1293-1297. | 2.2 | 26 |
| 136 | Selenium in surface waters of the lower Athabasca River watershed: Chemical speciation and implications for aquatic life. <i>Environmental Pollution</i> , 2018, 243, 1343-1351. | 7.5 | 26 |
| 137 | Determination of Cd, Co, Cu, Fe, Mn, Ni and Zn in coral skeletons by chelation ion chromatography. <i>Journal of Chromatography A</i> , 1995, 706, 167-173. | 3.7 | 25 |
| 138 | Atmospheric inputs of Ag and Tl to the Arctic: Comparison of a high resolution snow pit (AD) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Environment, 2008, 399, 78-89. | 8.0 | 25 |
| 139 | High-resolution age modelling of peat bogs from northern Alberta, Canada, using pre- and post-bomb ¹⁴ C, ²¹⁰ Pb and historical cryptotephra. <i>Quaternary Geochronology</i> , 2018, 47, 138-162. | 1.4 | 25 |
| 140 | Anthropogenic Impacts on the Biogeochemistry and Cycling of Antimony. , 2005, , 171-204. | | 25 |
| 141 | Peat as an archive of atmospheric pollution and environmental change: a case study of lead in Europe. <i>PAGES News</i> , 2010, 18, 20-22. | 0.1 | 25 |
| 142 | Direct determination of arsenic in acid digests of plant and peat samples using HG-AAS and ICP-SF-MS. <i>Analytica Chimica Acta</i> , 2005, 530, 307-316. | 5.4 | 24 |
| 143 | Humic acids role in Br accumulation along two ombrotrophic peat bog profiles. <i>Geoderma</i> , 2008, 146, 26-31. | 5.1 | 24 |
| 144 | Determination of trace element concentrations in natural freshwaters: How low is "low", and how low do we need to go?. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1747. | 2.1 | 24 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 145 | Ion chromatography of organic-rich natural waters from peatlands IV. Dissolved free sulfide and acid-volatile sulfur. <i>Journal of Chromatography A</i> , 1995, 706, 287-292. | 3.7 | 23 |
| 146 | Improved determination of arsenic in environmental and geological specimens using HG-AFS. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 95. | 3.0 | 23 |
| 147 | Estimating bioaccessibility of trace elements in particles suspended in the Athabasca River using sequential extraction. <i>Environmental Pollution</i> , 2018, 240, 466-474. | 7.5 | 23 |
| 148 | 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. <i>Environmental Reviews</i> , 2020, 28, 138-163. | 4.5 | 23 |
| 149 | Highly anomalous accumulation rates of C and N recorded by a relic, free-floating peatland in Central Italy. <i>Scientific Reports</i> , 2017, 7, 43040. | 3.3 | 22 |
| 150 | Sampling anoxic pore waters in peatlands using "peepers" for in situ-filtration. <i>Analytical and Bioanalytical Chemistry</i> , 1996, 354, 709-713. | 3.7 | 21 |
| 151 | A geochemical perspective on the natural abundance and predominant sources of trace elements in cranberries (<i>Vaccinium oxycoccus</i>) from remote bogs in the Boreal region of northern Alberta, Canada. <i>Science of the Total Environment</i> , 2019, 650, 1652-1663. | 8.0 | 21 |
| 152 | Fluorescence Spectroscopy of Aqueous Leaf Litter Extracts and Their Complexes with Aluminum. <i>Soil Science Society of America Journal</i> , 1990, 54, 1305-1310. | 2.2 | 20 |
| 153 | Ion chromatography of organic-rich natural waters from peatlands V. Fe ²⁺ and Fe ³⁺ . <i>Journal of Chromatography A</i> , 1995, 706, 293-299. | 3.7 | 20 |
| 154 | Biogeochemistry of Nickel and Its Release into the Environment. , 2007, , 1-29. | | 20 |
| 155 | Isotopic Composition of Pb in Peat and Porewaters from Three Contrasting Ombrotrophic Bogs in Finland: Evidence of Chemical Diagenesis in Response to Acidification. <i>Environmental Science & Technology</i> , 2016, 50, 9943-9951. | 10.0 | 20 |
| 156 | Evaluation of samplers and filter materials for the establishment of trace metal concentration profiles in peat bog porewaters using inductively coupled plasma-mass spectrometry. <i>Analytica Chimica Acta</i> , 2006, 558, 201-210. | 5.4 | 19 |
| 157 | Interpreting the ash trend within ombrotrophic bog profiles: atmospheric dust depositions vs. mineralization processes. The Etang de la Gruère case study. <i>Plant and Soil</i> , 2012, 353, 1-9. | 3.7 | 19 |
| 158 | EEM-PARAFAC-SOM for assessing variation in the quality of dissolved organic matter: simultaneous detection of differences by source and season. <i>Environmental Chemistry</i> , 2019, 16, 360. | 1.5 | 19 |
| 159 | Microwave digestion of ancient peat and determination of Pb by voltammetry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 363, 300-305. | 1.5 | 18 |
| 160 | Reconstructing Past Rates of Atmospheric Dust Deposition in the Athabasca Bituminous Sands Region Using Peat Cores from Bogs. <i>Land Degradation and Development</i> , 2017, 28, 2468-2481. | 3.9 | 18 |
| 161 | Dissolved versus particulate forms of trace elements in the Athabasca River, upstream and downstream of bitumen mines and upgraders. <i>Applied Geochemistry</i> , 2020, 122, 104706. | 3.0 | 18 |
| 162 | Heuristic numerical and analytical models of the hydrologic controls over vertical solute transport in a domed peat bog, Jura Mountains, Switzerland. <i>Hydrological Processes</i> , 2002, 16, 1047-1064. | 2.6 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 163 | An ultra-clean firn core from the Devon Island Ice Cap, Nunavut, Canada, retrieved using a titanium drill specially designed for trace element studies. <i>Journal of Environmental Monitoring</i> , 2006, 8, 406. | 2.1 | 17 |
| 164 | Ion chromatography of organic-rich natural waters from peatlands III. Improvements for measuring anions and cations. <i>Journal of Chromatography A</i> , 1995, 706, 281-286. | 3.7 | 16 |
| 165 | Double-Plate Sample Carrier for a Simple Total Reflection X-Ray Fluorescence Analyser. <i>X-Ray Spectrometry</i> , 1996, 25, 175-178. | 1.4 | 16 |
| 166 | Recent organic matter accumulation in relation to some climatic factors in ombrotrophic peat bogs near heavy metal emission sources in Finland. <i>Global and Planetary Change</i> , 2006, 53, 259-268. | 3.5 | 16 |
| 167 | Ligand Concentration Effects on Aluminum Complexation by a Chestnut Leaf Litter Extract. <i>Soil Science Society of America Journal</i> , 1990, 54, 933-935. | 2.2 | 16 |
| 168 | Reaction Path Approach to Mineral Weathering Reactions. <i>Clays and Clay Minerals</i> , 1994, 42, 197-206. | 1.3 | 15 |
| 169 | Secondary ion mass spectrometry (SIMS) and its application to chemical weathering. <i>Reviews of Geophysics</i> , 1994, 32, 197. | 23.0 | 15 |
| 170 | Comment on "The biosphere: A homogeniser of Pb-isotope signals" by C. Reimann, B. Flem, A. Arnoldussen, P. Englmaier, T.E. Finne, F. Koller and Å. Nordgulen. <i>Applied Geochemistry</i> , 2008, 23, 2514-2518. | 3.0 | 15 |
| 171 | Comparative evaluation of the mineralogical composition of Sphagnum peat and their corresponding humic acids, and implications for understanding past dust depositions. <i>Quaternary International</i> , 2013, 306, 80-87. | 1.5 | 15 |
| 172 | Isotopic evolution of atmospheric Pb from metallurgical processing in Flin Flon, Manitoba: Retrospective analysis using peat cores from bogs. <i>Environmental Pollution</i> , 2016, 218, 338-348. | 7.5 | 15 |
| 173 | Arctic plants take up mercury vapour. <i>Nature</i> , 2017, 547, 167-168. | 27.8 | 15 |
| 174 | Changes in bacterial and archaeal community assemblages along an ombrotrophic peat bog profile. <i>Biology and Fertility of Soils</i> , 2014, 50, 815-826. | 4.3 | 14 |
| 175 | Selenium and sulphur in Athabasca bituminous sands mineral and bitumen fractions. <i>Fuel</i> , 2018, 224, 718-725. | 6.4 | 14 |
| 176 | Trace elements in the Athabasca Bituminous Sands: A geochemical explanation for the paucity of environmental contamination by chalcophile elements. <i>Chemical Geology</i> , 2021, 581, 120392. | 3.3 | 14 |
| 177 | Determination of arsenic in peat samples using HG-AFS and l-cysteine as pre-reductant. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 204-207. | 3.0 | 13 |
| 178 | The Effect of Major Ions and Dissolved Organic Matter on Complexation and Toxicity of Dissolved Thallium to <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2472-2479. | 4.3 | 13 |
| 179 | Trace elements in wild berries from reclaimed lands: Biomonitors of contamination by atmospheric dust. <i>Ecological Indicators</i> , 2020, 110, 105960. | 6.3 | 13 |
| 180 | Trace elements in Labrador Tea (<i>Rhododendron groenlandicum</i>): How predominant sources to the plants impact the chemical composition of hot water extracts. <i>Environmental Research</i> , 2020, 183, 109272. | 7.5 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 181 | Chronic toxicity of waterborne thallium to <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2021, 268, 115776. | 7.5 | 13 |
| 182 | High-resolution palynology, climate change and human impact on a late Holocene peat bog on Haida Gwaii, British Columbia, Canada. <i>Holocene</i> , 2013, 23, 1572-1583. | 1.7 | 12 |
| 183 | Application of asymmetric flow field-flow fractionation to the study of aquatic systems: Coupled methods, challenges, and future needs. <i>Journal of Chromatography A</i> , 2020, 1632, 461600. | 3.7 | 12 |
| 184 | An Improved Motorized Corer and Sample Processing System for Frozen Peat. <i>Arctic</i> , 2004, 57, . | 0.4 | 12 |
| 185 | Ion chromatography of organic-rich natural waters from peatlands. <i>Journal of Chromatography A</i> , 1993, 640, 317-322. | 3.7 | 11 |
| 186 | Speciation of antimony in polyethylene terephthalate bottles. <i>X-Ray Spectrometry</i> , 2010, 39, 257-259. | 1.4 | 11 |
| 187 | Learning from the Past: Fires, Architecture, and Environmental Lead Emissions. <i>Environmental Science & Technology</i> , 2019, 53, 8482-8484. | 10.0 | 11 |
| 188 | Impact of the 2016 Fort McMurray wildfires on atmospheric deposition of polycyclic aromatic hydrocarbons and trace elements to surrounding ombrotrophic bogs. <i>Environment International</i> , 2022, 158, 106910. | 10.0 | 11 |
| 189 | Organic soils. <i>Developments in Earth Surface Processes</i> , 1992, , 203-224. | 2.8 | 11 |
| 190 | Validating modelled data on major and trace element deposition in southern Germany using Sphagnum moss. <i>Atmospheric Environment</i> , 2017, 167, 656-664. | 4.1 | 10 |
| 191 | Methylated arsenic species throughout a 4-m deep core from a free-floating peat island. <i>Science of the Total Environment</i> , 2018, 621, 67-74. | 8.0 | 10 |
| 192 | An optimized HNO ₃ and HBF ₄ digestion method for multielemental soil and sediment analysis using inductively coupled plasma quadrupole mass spectrometry. <i>Canadian Journal of Soil Science</i> , 2020, 100, 393-407. | 1.2 | 10 |
| 193 | High-sensitivity XRF analyzer (OLIVIA) using a multi-crystal pyrographite assembly to reduce the continuous background. , 1999, 28, 145-148. | | 9 |
| 194 | Rapid peat accumulation favours the occurrence of both fen and bog microbial communities within a Mediterranean, free-floating peat island. <i>Scientific Reports</i> , 2017, 7, 8511. | 3.3 | 9 |
| 195 | Contemporary and Historical Atmospheric Deposition of Arsenic and Selenium in the Athabasca Bituminous Sands Region. <i>Environmental Science & Technology</i> , 2019, 53, 14020-14028. | 10.0 | 9 |
| 196 | The Reading Palaeofire Database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records. <i>Earth System Science Data</i> , 2022, 14, 1109-1124. | 9.9 | 9 |
| 197 | Exploring Nanogeochemical Environments: New Insights from Single Particle ICP-TOFMS and AF4-ICPMS. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 943-952. | 2.7 | 9 |
| 198 | Determination of trace elements in aqueous solutions using the EMMA miniprobe XRF analyzer. , 1999, 28, 379-383. | | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 199 | Archives of Environmental Contamination. Journal of Environmental Monitoring, 2004, 6, 417. | 2.1 | 8 |
| 200 | Chapter 9 Weathering of inorganic matter in bogs. Developments in Earth Surface Processes, 2006, 9, 197-215. | 2.8 | 8 |
| 201 | Reply to the comments on "The biosphere: A homogenizer of Pb-isotope signals" by Richard Bindler and William Shotyk. Applied Geochemistry, 2008, 23, 2527-2535. | 3.0 | 8 |
| 202 | Spatial assessment of major and trace element concentrations from Lower Athabasca Region Trout-perch (<i>Percopsis omiscomaycus</i>) otoliths. Science of the Total Environment, 2019, 655, 363-373. | 8.0 | 8 |
| 203 | Comment on: "A 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)" by Ewa Miszczak, Sebastian Stefaniak, Adam Michczyński, Eiliv Steinnes and Irena Twardowska. Science of the Total Environment. 2020. 737. 138699. | 8.0 | 8 |
| 204 | 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 |
| 205 | Size-resolved analysis of trace elements in the dissolved fraction ($0.45 \hat{=} 4\text{m}$) 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 |
| 206 | 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 |
| 207 | Response to Comment on "Sphagnum Mosses from 21 Ombrotrophic Bogs in the Athabasca Bituminous Sands Region Show No Significant Atmospheric Contamination of Heavy Metals". Environmental Science & Technology, 2015, 49, 6354-6357. | 10.0 | 6 |
| 208 | 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 |
| 209 | A geochemical perspective on the natural abundance of trace elements in beaver (<i>Castor canadensis</i>) from a rural region of southern Ontario, Canada. Science of the Total Environment, 2019, 672, 40-50. | 8.0 | 6 |
| 210 | 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 |
| 211 | Ligand-promoted dissolution of plagioclase feldspar: A comparison of the surface chemistry of dissolving labradorite and bytownite using SIMS. Chemical Geology, 1990, 84, 320-321. | 3.3 | 5 |
| 212 | 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 |
| 213 | Comment on "Atmospheric Mercury Accumulation Rates between 5900 and 800 Calibrated Years BP in the High Arctic of Canada Recorded by Peat Hummocks". Environmental Science & Technology, 2005, 39, 908-909. | 10.0 | 4 |
| 214 | 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 |
| 215 | 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 |
| 216 | A 6,000-years record of atmospheric mercury accumulation in the high Arctic from peat deposits on Bathurst Island, Nunavut, Canada. European Physical Journal Special Topics, 2003, 107, 545-548. | 0.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 217 | Response to Comment on "Atmospheric Mercury Accumulation Rates between 5900 and 800 Calibrated Years BP in the High Arctic of Canada Recorded by Peat Hummocks" Environmental Science & Technology, 2005, 39, 910-912. | 10.0 | 3 |
| 218 | 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 |
| 219 | 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 |
| 220 | Heavy metals, especially lead, deposition recorded in an ombrotrophic peat bog near Manchester, United Kingdom. European Physical Journal Special Topics, 2003, 107, 739-742. | 0.2 | 2 |
| 221 | Peat bogs reveal history of atmospheric deposition of lead and other metals. Eos, 1996, 77, 507. | 0.1 | 1 |
| 222 | Trace metals as indicators of tree rooting in bituminous soils. Land Degradation and Development, 2021, 32, 1970-1980. | 3.9 | 1 |
| 223 | Atmospheric deposition of arsenic and selenium in ombrotrophic peat bogs. European Physical Journal Special Topics, 2003, 107, 1427-1427. | 0.2 | 1 |
| 224 | 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 |
| 225 | Anthropogenic impacts on the biogeochemistry and cycling of antimony. Metal Ions in Biological Systems, 2005, 44, 171-203. | 0.4 | 1 |
| 226 | 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 |
| 227 | The use of peatlands in geochemical exploration. Journal of Geochemical Exploration, 1987, 29, 431. | 3.2 | 0 |
| 228 | Analytical procedures for the determination of selected trace elements in age-dated peat profiles. European Physical Journal Special Topics, 2003, 107, 1429-1429. | 0.2 | 0 |
| 229 | Climatic and anthropogenic effects on atmospheric mercury accumulation rates in ombrotrophic bogs from Southern Ontario. European Physical Journal Special Topics, 2003, 107, 541-544. | 0.2 | 0 |
| 230 | Mission, aims and scope: the audience for JEM now and in the future. Journal of Environmental Monitoring, 2004, 6, 67N. | 2.1 | 0 |
| 231 | Comment on "Does within-bog spatial variability of mercury and lead constrain reconstructions of absolute deposition rates from single peat records? The example of Store Mosse, Sweden," by Richard Bindler, Malin Klarqvist, Jonatan Klaminder, and Johannes. Global Biogeochemical Cycles, 2006, 20, n/a-n/a. | 4.9 | 0 |
| 232 | 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 |
| 233 | 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 |
| 234 | Retention of atmospheric Cu, Ni, Cd and Zn in an ombrotrophic peat profile near the Outokumpu Cu-Ni mine, SE-Finland. European Physical Journal Special Topics, 2003, 107, 1127-1130. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | 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 |
| 236 | Peat. , 1998, , 490-491. | | 0 |
| 237 | DoublePlate Sample Carrier for a Simple Total Reflection XRay Fluorescence Analyser. X-Ray Spectrometry, 1996, 25, 175-178. | 1.4 | 0 |
| 238 | Determination of trace elements in aqueous solutions using the EMMA miniprobe XRF analyzer. X-Ray Spectrometry, 1999, 28, 379-383. | 1.4 | 0 |