# Dominika Lewicka-Szczebak

List of Publications by Year
in descending order



| 36 | 1,396 | 331670 | 345221 |
|---|---|---|---|
| papers | citations | 21 h-index | 36 g-index |

| 47 | 47 | 47 | 1235 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nitrite isotope characteristics and associated soil N transformations. Scientific Reports, 2021, 11, 5008. | 3.3 | 9 |
| 2 | Comparing modified substrate-induced respiration with selective inhibition (SIRIN) and N<sub>2</sub>O isotope approaches to estimate fungal contribution to denitrification in three arable soils under anoxic conditions. Biogeosciences, 2021, 18, 4629-4650. | 3.3 | 10 |
| 3 | What can we learn from N<sub>2</sub>O isotope data? â€“ Analytics, processes and modelling. Rapid Communications in Mass Spectrometry, 2020, 34, e8858. | 1.5 | 67 |
| 4 | The <sup>15</sup>N gas-flux method to determine N<sub>2</sub> flux: a comparison of different tracer addition approaches. Soil, 2020, 6, 145-152. | 4.9 | 9 |
| 5 | N<sub>2</sub>O isotope approaches for source partitioning of N<sub>2</sub>O production and estimation of N<sub>2</sub>O reduction â€“ validation with the <sup>15</sup>N gas-flux method in laboratory and field studies. Biogeosciences, 2020, 17, 5513-5537. | 3.3 | 28 |
| 6 | A critique of the paper â€˜Estimate of bacterial and fungal N2O production processes after crop residue input and fertilizer application to an agricultural field by 15N isotopomer analysisâ€™, by Yamamoto et al. (2017), Soil Biology & Biochemistry 108, 9â€“16. Soil Biology and Biochemistry, 2019, 135, 450-451. | 8.8 | 2 |
| 7 | Quantifying N2O reduction to N2 during denitrification in soils via isotopic mapping approach: Model evaluation and uncertainty analysis. Environmental Research, 2019, 179, 108806. | 7.5 | 46 |
| 8 | Underestimation of denitrification rates from field application of the <sup>15</sup>N gas flux method and its correction by gas diffusion modelling. Biogeosciences, 2019, 16, 2233-2246. | 3.3 | 17 |
| 9 | Early season N<sub>2</sub>O emissions under variable water management in rice systems: source-partitioning emissions using isotope ratios along a depth profile. Biogeosciences, 2019, 16, 383-408. | 3.3 | 31 |
| 10 | Improved isotopic model based on <sup>15</sup>N tracing and Rayleighâ€type isotope fractionation for simulating differential sources of N<sub>2</sub>O emissions in a clay grassland soil. Rapid Communications in Mass Spectrometry, 2019, 33, 449-460. | 1.5 | 3 |
| 11 | Improvement of the <sup>15</sup>N gas flux method for in situ measurement of soil denitrification and its product stoichiometry. Rapid Communications in Mass Spectrometry, 2019, 33, 437-448. | 1.5 | 22 |
| 12 | Estimating N<sub>2</sub>O processes during grassland renewal and grassland conversion to maize cropping using N<sub>2</sub>O isotopocules. Rapid Communications in Mass Spectrometry, 2018, 32, 1053-1067. | 1.5 | 42 |
| 13 | Measuring <sup>15</sup>N Abundance and Concentration of Aqueous Nitrate, Nitrite, and Ammonium by Membrane Inlet Quadrupole Mass Spectrometry. Analytical Chemistry, 2017, 89, 6076-6081. | 6.5 | 21 |
| 14 | The nitrogen cycle: A review of isotope effects and isotope modeling approaches. Soil Biology and Biochemistry, 2017, 105, 121-137. | 8.8 | 259 |
| 15 | Use of oxygen isotopes to differentiate between nitrous oxide produced by fungi or bacteria during denitrification. Rapid Communications in Mass Spectrometry, 2017, 31, 1297-1312. | 1.5 | 47 |
| 16 | Effect of soil saturation on denitrification in a grassland soil. Biogeosciences, 2017, 14, 4691-4710. | 3.3 | 26 |
| 17 | Quantifying N<sub>2</sub>O reduction to N<sub>2</sub> based on N<sub>2</sub>O isotopocules â€“ validation with independent methods (helium incubation and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 92 Td (& | 3.3 | 116 |
| 18 | Oxygen isotope fractionation during N<sub>2</sub>O production by soil denitrification. Biogeosciences, 2016, 13, 1129-1144. | 3.3 | 49 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | N<sub>2</sub>O source partitioning in soils using <sup>15</sup>N site preference values corrected for the N<sub>2</sub>O reduction effect. Rapid Communications in Mass Spectrometry, 2016, 30, 620-626. | 1.5 | 22 |
| 20 | Fluxes of N2 and N2O and contributing processes in summer after grassland renewal and grassland conversion to maize cropping on a Plaggic Anthrosol and a Histic Gleysol. Soil Biology and Biochemistry, 2016, 101, 6-19. | 8.8 | 56 |
| 21 | Influence of Lumbricus terrestris and <scp>Folsomia candida</scp> on N<sub>2</sub>O formation pathways in two different soils â€“ with particular focus on N<sub>2</sub> emissions. Rapid Communications in Mass Spectrometry, 2016, 30, 2301-2314. | 1.5 | 12 |
| 22 | Comparison of methods to determine triple oxygen isotope composition of N<sub>2</sub>O. Rapid Communications in Mass Spectrometry, 2015, 29, 1991-1996. | 1.5 | 8 |
| 23 | Isotope fractionation factors controlling isotopocule signatures of soil-emitted N<sub>2</sub> O produced by denitrification processes of various rates. Rapid Communications in Mass Spectrometry, 2015, 29, 269-282. | 1.5 | 43 |
| 24 | Anaerobic digestates lower N2O emissions compared to cattle slurry by affecting rate and product stoichiometry of denitrification â€“ An N2O isotopomer case study. Soil Biology and Biochemistry, 2015, 84, 65-74. | 8.8 | 57 |
| 25 | Dual isotope and isotopomer signatures of nitrous oxide from fungal denitrification - a pure culture study. Rapid Communications in Mass Spectrometry, 2014, 28, 1893-1903. | 1.5 | 71 |
| 26 | Experimental determinations of isotopic fractionation factors associated with N2O production and reduction during denitrification in soils. Geochimica Et Cosmochimica Acta, 2014, 134, 55-73. | 3.9 | 81 |
| 27 | Dynamics and origin of atmospheric CH4 in a Polish metropolitan area characterized by wetlands. Applied Geochemistry, 2014, 45, 72-81. | 3.0 | 11 |
| 28 | One-year spatial and temporal monitoring of concentration and carbon isotopic composition of atmospheric CO2 in a WrocÅ‚aw (SW Poland) city area. Applied Geochemistry, 2013, 35, 7-13. | 3.0 | 38 |
| 29 | Soil denitrification potential and its influence on N<sub>2</sub>O reduction and N<sub>2</sub>O isotopomer ratios. Rapid Communications in Mass Spectrometry, 2013, 27, 2363-2373. | 1.5 | 46 |
| 30 | An enhanced technique for automated determination of <sup>15</sup>N signatures of N<sub>2</sub>, (N<sub>2</sub>+N<sub>2</sub>O) and N<sub>2</sub>O in gas samples. Rapid Communications in Mass Spectrometry, 2013, 27, 1548-1558. | 1.5 | 44 |
| 31 | Tracing and quantifying lake water and groundwater fluxes in the area under mining dewatering pressure using coupled O and H stable isotope approach. Isotopes in Environmental and Health Studies, 2013, 49, 9-28. | 1.0 | 6 |
| 32 | Carbon and nitrogen isotope analyses coupled with palynological data of PM10 in WrocÅ‚aw city (SW) Tj ETQq0 0 0 rgBT /Overlock 10 T<br>327-344. | 1.0 | 32 |
| 33 | Carbon isotope signature of dissolved inorganic carbon (DIC) in precipitation and atmospheric CO 2. Environmental Pollution, 2011, 159, 294-301. | 7.5 | 43 |
| 34 | Sources and sinks of sulphate dissolved in lake water of a dam reservoir: S and O isotopic approach. Applied Geochemistry, 2009, 24, 1941-1950. | 3.0 | 6 |
| 35 | Sulphur isotope mass balance of dissolved sulphate ion in a freshwater dam reservoir. Environmental Chemistry Letters, 2008, 6, 169-173. | 16.2 | 8 |
| 36 | Diurnal variations in the photosynthesis-respiration activity of a cyanobacterial bloom in a freshwater dam reservoir: an isotopic studyâ€. Isotopes in Environmental and Health Studies, 2008, 44, 163-175. | 1.0 | 7 |