# CITATION REPORT List of articles citing

Atmospheric composition change: EcosystemsAtmosphere interactions

DOI: 10.1016/j.atmosenv.2009.07.068 Atmospheric Environment, 2009, 43, 5193-5267.

Source: https://exaly.com/paper-pdf/45996279/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 563 | Atmospheric composition change: Climate@hemistry interactions. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 5138-5192   | 5.3 | 206       |
| 562 | Editorial. Atmospheric Environment, 2009, 43, 5136-5137   | 5.3 | 1         |
| 561 | Atmospheric composition change Iglobal and regional air quality. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 5268-5350   | 5.3 | 592       |
| 560 | Ozone exposure and impacts on vegetation in the Nordic and Baltic countries. <b>2009</b> , 38, 402-5  |     | 10        |
| 559 | Effect of iron dissolution on cloud chemistry: from laboratory measurements to model results. <b>2010</b> , 1, 220-228  |     | 29        |
| 558 | Review and parameterisation of bi-directional ammonia exchange between vegetation and the atmosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 10359-10386                      | 6.8 | 155       |
| 557 | Impact of Manaus City on the Amazon Green Ocean atmosphere: ozone production, precursor sensitivity and aerosol load. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 9251-9282        | 6.8 | 83        |
| 556 | Modelling chemistry in the nocturnal boundary layer above tropical rainforest and a generalised effective nocturnal ozone deposition velocity for sub-ppbv NOx conditions. <b>2010</b> , 65, 89-110 |     | 6         |
| 555 | The emission factor of volatile isoprenoids: stress, acclimation, and developmental responses. <i>Biogeosciences</i> , <b>2010</b> , 7, 2203-2223   | 4.6 | 135       |
| 554 | Laboratory measurements of nitric oxide release from forest soil with a thick organic layer under different understory types. <i>Biogeosciences</i> , <b>2010</b> , 7, 1425-1441                    | 4.6 | 26        |
| 553 | Exchange of reactive nitrogen compounds: concentrations and fluxes of total ammonium and total nitrate above a spruce canopy. <i>Biogeosciences</i> , <b>2010</b> , 7, 1729-1744                    | 4.6 | 43        |
| 552 | Development and validation of a size-resolved particle dry deposition scheme for application in aerosol transport models. <b>2010</b> , 3, 753-769  |     | 109       |
| 551 | Development and validation of a size-resolved particle dry deposition scheme for applications in aerosol transport models. <b>2010</b> ,  |     | 3         |
| 550 | Eddy covariance flux measurements of ammonia by electron transfer reaction-mass spectrometry. <b>2010</b> ,   |     |           |
| 549 | Fossil and contemporary aerosol particulate organic carbon in the eastern United States: Implications for deposition and inputs to watersheds. <b>2011</b> , 25, n/a-n/a                            |     | 19        |
| 548 | Measurement of N2, N2O, NO, and CO2 emissions from soil with the gas-flow-soil-core technique. <b>2011</b> , 45, 6066-72  |     | 50        |
| 547 | Diversity, structure, and size of N(2)O-producing microbial communities in soilswhat matters for their functioning?. <b>2011</b> , 75, 33-70  |     | 224       |

## (2011-2011)

| 546 | Simultaneous detection of atmospheric nitrous oxide and carbon monoxide using a quantum cascade laser. <b>2011</b> ,  |     | 1   |
|-----|---|-----|-----|
| 545 | Modelling ozone deposition fluxes: The relative roles of deposition and detoxification processes. <b>2011</b> , 151, 480-492  |     | 32  |
| 544 | Ozone deposition onto bare soil: A new parameterisation. <b>2011</b> , 151, 669-681   |     | 40  |
| 543 | Long-term (13 years) measurements of SO2 fluxes over a forest and their control by surface chemistry. <b>2011</b> , 151, 1768-1780  |     | 10  |
| 542 | Aerosol loading in an urban environment from a biofuel based CHP plant: assessment and mitigation. <b>2011</b> , 4, 71-75   |     | 1   |
| 541 | Measurements of biosphere-atmosphere exchange of CHIIn terrestrial ecosystems. <b>2011</b> , 495, 271-87  |     | 19  |
| 540 | The challenge to integrate nitrogen science and policies: the European Nitrogen Assessment approach. 82-96  |     | 21  |
| 539 | Atmospheric transport and deposition of reactive nitrogen in Europe. 298-316  |     | 19  |
| 538 | Nitrogen processes in the atmosphere. 177-208   |     | 31  |
| 537 | Predicting and partitioning ozone fluxes to maize crops from sowing to harvest: the Surfatm-O<sub>3</sub> model. <i>Biogeosciences</i> , <b>2011</b> , 8, 2869-2886   | 4.6 | 41  |
| 536 | An Initial Investigation into the Use of a Flux Chamber Technique to Measure Soil-Atmosphere Gas Exchanges from Application of Biosolids to UK Soils. <b>2011</b> , 2011, 1-10  |     | 2   |
| 535 | New Approaches for Urban and Regional Air Pollution Modelling and Management. <b>2011</b> ,   |     | O   |
| 534 | General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) Integrating aerosol research from nano to global scales. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 13061-13143 | 6.8 | 231 |
| 533 | Contrasting winter and summer VOC mixing ratios at a forest site in the Western Mediterranean Basin: the effect of local biogenic emissions. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 13161-13179                           | 6.8 | 67  |
| 532 | The Chemistry of Atmosphere-Forest Exchange (CAFE) Model Part 2: Application to BEARPEX-2007 observations. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 1269-1294   | 6.8 | 67  |
| 531 | Solid state and sub-cooled liquid vapour pressures of cyclic aliphatic dicarboxylic acids. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 655-665   | 6.8 | 43  |
| 530 | The Chemistry of Atmosphere-Forest Exchange (CAFE) Model IPart 1: Model description and characterization. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 77-101   | 6.8 | 108 |
|     |   |     |     |

| 528 | Dry deposition of reactive nitrogen to European ecosystems: a comparison of inferential models across the NitroEurope network. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 2703-2728                   | 6.8        | 205 |
|-----|---|------------|-----|
| 527 | Effects of elevated atmospheric CO2, prolonged summer drought and temperature increase on N2O and CH4 fluxes in a temperate heathland. <b>2011</b> , 43, 1660-1670  |            | 33  |
| 526 | Long-term aerosol particle flux observations. Part II: Particle size statistics and deposition velocities. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 3794-3805   | 5.3        | 22  |
| 525 | Temperature response of the submicron organic aerosol from temperate forests. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 6696-6704  | 5.3        | 50  |
| 524 | Carbon, nitrogen and Greenhouse gases budgets over a four years crop rotation in northern France. <i>Plant and Soil</i> , <b>2011</b> , 343, 109-137  | 4.2        | 91  |
| 523 | The atmospheric chemistry of trace gases and particulate matter emitted by different land uses in Borneo. <b>2011</b> , 366, 3177-95  |            | 32  |
| 522 | Effects of land use on surface-atmosphere exchanges of trace gases and energy in Borneo: comparing fluxes over oil palm plantations and a rainforest. <b>2011</b> , 366, 3196-209                                       |            | 55  |
| 521 | Eddy covariance flux measurements of ammonia by high temperature chemical ionisation mass spectrometry. <b>2011</b> , 4, 599-616  |            | 51  |
| 520 | Leaf volatile isoprenoids: an important defensive armament in forest tree species. <b>2012</b> , 5, 13-17   |            | 23  |
| 519 | Insights into ozone deposition patterns from decade-long ozone flux measurements over a mixed temperate forest. <b>2012</b> , 14, 1684-95   |            | 22  |
| 518 | Have primary emission reduction measures reduced ozone across Europe? An analysis of European rural background ozone trends 1996\( \textbf{Q}\) 005. Atmospheric Chemistry and Physics, <b>2012</b> , 12, 437-454       | 6.8        | 115 |
| 517 | Effect of chemical degradation on fluxes of reactive compounds & study with a stochastic Lagrangian transport model. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 4843-4854                             | 6.8        | 38  |
| 516 | Introduction to the European Monitoring and Evaluation Programme (EMEP) and observed atmospheric composition change during 1972\( \textbf{Q}\) 009. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 5447-5 | 688<br>481 | 440 |
| 515 | Abiotic and biotic control of methanol exchanges in a temperate mixed forest. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 577-590  | 6.8        | 40  |
| 514 | The EMEP MSC-W chemical transport model Itechnical description. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 7825-7865  | 6.8        | 481 |
| 513 | Ozone deposition into a boreal forest over a decade of observations: evaluating deposition partitioning and driving variables. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 12165-12182                 | 6.8        | 55  |
| 512 | The Ecosystem Approach to Marine Planning and Management. <b>2012</b> ,   |            | 2   |
| 511 | Spatial and temporal concentration of ambient atmospheric ammonia in southern Ontario, Canada. <i>Atmospheric Environment</i> , <b>2012</b> , 62, 441-450   | 5.3        | 28  |

| 510 | Sea-surface chemistry and its impact on the marine boundary layer. <b>2012</b> , 46, 10385-9  |             | 54  |
|-----|---|-------------|-----|
| 509 | Changes in atmospheric deposition and streamwater chemistry over 25 years in undisturbed catchments in a Mediterranean mountain environment. <i>Science of the Total Environment</i> , <b>2012</b> , 434, 18-2 <sup>1</sup> | 10.2<br>7   | 27  |
| 508 | Trends in atmospheric ammonia and particulate ammonium concentrations in Sweden and its causes. <i>Atmospheric Environment</i> , <b>2012</b> , 61, 30-39  | 5.3         | 22  |
| 507 | Eos, Transactions, American Geophysical Union Volume 93, Number 23, 5 June 2012. <b>2012</b> , 93, n/a-n/a  |             |     |
| 506 | The role of trace gas flux networks in the biogeosciences. <b>2012</b> , 93, 217-218  |             | 18  |
| 505 | A comparison of two canopy conductance parameterizations to quantify the interactions between surface ozone and vegetation over Europe. <b>2012</b> , 117, n/a-n/a  |             | 16  |
| 504 | Mass spectrometric approaches for chemical characterisation of atmospheric aerosols: critical review of the most recent advances. <b>2012</b> , 9, 163  |             | 71  |
| 503 | Governing processes for reactive nitrogen compounds in the European atmosphere. <i>Biogeosciences</i> , <b>2012</b> , 9, 4921-4954  | <b>1</b> .6 | 62  |
| 502 | Methane production and consumption in loess soil at different slope position. <b>2012</b> , 2012, 620270  |             | 12  |
| 501 | Towards the use of dynamic growing seasons in a chemical transport model. <i>Biogeosciences</i> , <b>2012</b> , 9, 5161-5179  | <b>1</b> .6 | 4   |
| 500 | Investigating the stomatal, cuticular and soil ammonia fluxes over a growing tritical crop under high acidic loads. <i>Biogeosciences</i> , <b>2012</b> , 9, 1537-1552  | <b>1</b> .6 | 26  |
| 499 | Reducing greenhouse gas emissions in grassland ecosystems of the Central Lithuania: multi-criteria evaluation on a basis of the ARAS method. <b>2012</b> , 2012, 908384   |             | 16  |
| 498 | Forests under climate change and air pollution: gaps in understanding and future directions for research. <b>2012</b> , 160, 57-65  |             | 82  |
| 497 | A comparison of observed and parameterized SO2 dry deposition over a grassy clearing in Duke Forest. <i>Atmospheric Environment</i> , <b>2012</b> , 49, 212-218   | 5.3         | 6   |
| 496 | Phosphorus availability as a primary constraint on methane emission from a freshwater wetland.  Atmospheric Environment, <b>2012</b> , 59, 202-206  | 5.3         | 12  |
| 495 | Annual emissions of nitrous oxide and nitric oxide from a wheatthaize cropping system on a silt loam calcareous soil in the North China Plain. <b>2012</b> , 48, 10-19  |             | 125 |
| 494 | Soil acidification by intensified crop production in South Asia results in higher N2O/(N2 + N2O) product ratios of denitrification. <b>2012</b> , 55, 104-112   |             | 45  |
| 493 | REVIEW: The role of ecosystems and their management in regulating climate, and soil, water and air quality. <b>2013</b> , 50, 812-829   |             | 123 |

| 492 | Exceedance of air quality standards resulting from pyro-metallurgical production of copper: a case study, Bor (Eastern Serbia). <b>2013</b> , 68, 1989-1998   | 13 |
|-----|---|----|
| 491 | Biology, Controls and Models of Tree Volatile Organic Compound Emissions. 2013,   | 24 |
| 490 | Controlling autonomous underwater floating platforms using bacterial fermentation. <b>2013</b> , 97, 135-42   | 3  |
| 489 | Surface Ozone in the Marine EnvironmentHorizontal Ozone Concentration Gradients in Coastal Areas. <b>2013</b> , 224, 1  | 6  |
| 488 | Atmospheric deposition of nitrogen and sulfur over southern Europe with focus on the Mediterranean and the Black Sea. <i>Atmospheric Environment</i> , <b>2013</b> , 81, 660-670                                | 38 |
| 487 | Air Pollution Risks to Northern European Forests in a Changing Climate. <b>2013</b> , 77-99   | 14 |
| 486 | Key Indicators of Air Pollution and Climate Change Impacts at Forest Supersites. <b>2013</b> , 497-518  | 4  |
| 485 | Gaseous Exchange Between Forests and the Atmosphere. <b>2013</b> , 19-36  | 9  |
| 484 | Biogenic Volatile Organic Compounds and Their Impacts on BiosphereAtmosphere Interactions. <b>2013</b> , 13, 57-75  | 11 |
| 483 | Biogenic volatile organic compounds from the urban forest of the Metropolitan Region, Chile. <b>2013</b> , 183, 143-50  | 24 |
| 482 | Air quality and climatesynergies and trade-offs. <b>2013</b> , 15, 1315-25  | 17 |
| 481 | Chemical imaging analysis of environmental particles using the focused ion beam/scanning electron microscopy technique: microanalysis insights into atmospheric chemistry of fly ash. <b>2013</b> , 138, 451-60 | 16 |
| 480 | Measurement in a wind tunnel of dry deposition velocities of submicron aerosol with associated turbulence onto rough and smooth urban surfaces. <b>2013</b> , 55, 12-24   | 51 |
| 479 | Investigating discrepancies in heat, CO2 fluxes and O3 deposition velocity over maize as measured by the eddy-covariance and the aerodynamic gradient methods. <b>2013</b> , 169, 35-50                         | 18 |
| 478 | Systems scale assessment of the sustainability implications of emerging green initiatives. <b>2013</b> , 183, 213-23  | 7  |
| 477 | Tropospheric ozone reduces carbon assimilation in trees: estimates from analysis of continuous flux measurements. <b>2013</b> , 19, 2427-43   | 78 |
| 476 | Large interannual variations in nonmethane volatile organic compound emissions based on measurements of carbon monoxide. <b>2013</b> , 40, 221-226  | 6  |
| 475 | Wireless laser spectroscopic sensor node for atmospheric CO2 monitoringlaboratory and field test. <b>2013</b> , 110, 241-248  | 3  |

| 474 | Influence of canopy budget model approaches on atmospheric deposition estimates to forests. <b>2013</b> , 116, 215-229   | 13   |
|-----|--|------|
| 473 | The global nitrogen cycle in the twenty-first century. <b>2013</b> , 368, 20130164   | 727  |
| 472 | Ammonia in the atmosphere: a review on emission sources, atmospheric chemistry and deposition on terrestrial bodies. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 8092-131  | 454  |
| 471 | Chemically Resolved Particle Fluxes Over Tropical and Temperate Forests. <b>2013</b> , 47, 818-830   | 22   |
| 47° | Nitrous oxide emissions from soils: how well do we understand the processes and their controls?. <b>2013</b> , 368, 20130122   | 1285 |
| 469 | Critical Studies on Integrating Land-Use Induced Effects on Climate Regulation Services into Impact Assessment for Human Well-Being. <b>2013</b> , 2013, 1-14  | 10   |
| 468 | "Breath figures" on leaf surfaces-formation and effects of microscopic leaf wetness. <b>2013</b> , 4, 422  | 57   |
| 467 | Processes regulating nitric oxide emissions from soils. <b>2013</b> , 368, 20130126  | 137  |
| 466 | Sensitivity of continental United States atmospheric budgets of oxidized and reduced nitrogen to dry deposition parametrizations. <b>2013</b> , 368, 20130124  | 25   |
| 465 | Elevated atmospheric CO2 decreases the ammonia compensation point of barley plants. <b>2013</b> , 64, 2713-24  | 18   |
| 464 | Quantifying the carbon uptake by vegetation for Europe on a 1 km<sup>2</sup> resolution using a remote sensing driven vegetation model. <b>2013</b> , 6, 1623-1640   | 21   |
| 463 | Mitigating nitrous oxide emissions from a maize-cropping black soil in northeast China by a combination of reducing chemical N fertilizer application and applying manure in autumn. <b>2013</b> , 59, 392-402   | 10   |
| 462 | Fluxes of Fine Particles Over a Semi-Arid Pine Forest: Possible Effects of a Complex Terrain. <b>2013</b> , 47, 906-915  | 15   |
| 461 | Towards a climate-dependent paradigm of ammonia emission and deposition. <b>2013</b> , 368, 20130166   | 244  |
| 460 | Undisturbed and disturbed above canopy ponderosa pine emissions: PTR-TOF-MS measurements and MEGAN 2.1 model results. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 11935-11947   | 42   |
| 459 | Tropospheric ozone changes, radiative forcing and attribution to emissions in the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). <i>Atmospheric Chemistry and Physics</i> 6.8, <b>2013</b> , 13, 3063-3085                              | 273  |
| 458 | Dry deposition of nitrogen compounds (NO<sub>2</sub>, HNO<sub>3</sub>, NH<sub>3</sub>), sulfur dioxide and ozone in west and central African ecosystems using 6.8 the inferential method. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 11351-11374 | 37   |
| 457 | Quantifying the uncertainty in simulating global tropospheric composition due to the variability in global emission estimates of Biogenic Volatile Organic Compounds. <i>Atmospheric Chemistry and</i> 6.8 <i>Physics</i> , <b>2013</b> , 13, 2857-2891            | 59   |

| Volatile organic compounds in the western Mediterranean basin: urban and rural winter measurements during the DAURE campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 4291-4306  | 6.8   | 36   |
|---|---|--|
| Scorched Earth: how will changes in the strength of the vegetation sink to ozone deposition affect human health and ecosystems?. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 6741-6755                                     | 6.8   | 32   |
| A one-year comprehensive chemical characterisation of fine aerosol (PM<sub>2.5</sub>) at urban, suburban and rural background sites in the region of Paris (France). <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 7825-7844 | 6.8   | 115  |
| Light-absorbing carbon in Europe Imeasurement and modelling, with a focus on residential wood combustion emissions. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 8719-8738  | 6.8   | 43   |
| The effect of carbon-nitrogen coupling on the reduced land carbon sink caused by tropospheric ozone. <b>2013</b> , 40, 3227-3231  |   | 14   |
| Assessment of the total, stomatal, cuticular, and soil 2 year ozone budgets of an agricultural field with winter wheat and maize crops. <b>2013</b> , 118, 1120-1132  |   | 12   |
| A large-eddy simulation of the phase transition of ammonium nitrate in a convective boundary layer. <b>2013</b> , 118, 826-836  |   | 7  |
| Vertically resolved chemical characteristics and sources of submicron aerosols measured on a Tall Tower in a suburban area near Denver, Colorado in winter. <b>2013</b> , 118, 13,591-13,605  |   | 15   |
| Evaluation of a regional air-quality model with bidirectional NH<sub>3</sub> exchange coupled to an agroecosystem model. <i>Biogeosciences</i> , <b>2013</b> , 10, 1635-1645  | 4.6   | 128  |
| Measurements of nitrogen oxides and ozone fluxes by eddy covariance at a meadow: evidence for an internal leaf resistance to NO<sub>2</sub>. <i>Biogeosciences</i> , <b>2013</b> , 10, 5997-6017  | 4.6   | 20   |
| Advances in understanding, models and parameterizations of biosphere-atmosphere ammonia exchange. <i>Biogeosciences</i> , <b>2013</b> , 10, 5183-5225   | 4.6   | 98   |
| Interactions between leaf nitrogen status and longevity in relation to N cycling in three contrasting European forest canopies. <i>Biogeosciences</i> , <b>2013</b> , 10, 999-1011  | 4.6   | 18   |
| Spatial variation of volatile organic compounds and carbon monoxide in Blantyre City, Malawi. <b>2013</b> , 7, 159-166  |   | 1  |
| Atmospheric Ozone and Methane in a Changing Climate. <b>2014</b> , 5, 518-535   |   | 23   |
| Methane and nitrous oxide exchange over a managed hay meadow. <i>Biogeosciences</i> , <b>2014</b> , 11, 7219-7236   | 4.6   | 24   |
| A 10 year record of black carbon and dust from a Mera Peak ice core (Nepal): variability and potential impact on melting of Himalayan glaciers. <b>2014</b> , 8, 1479-1496  |   | 64   |
| Air quality assessment of carbon monoxide, nitrogen dioxide and sulfur dioxide levels in Blantyre, Malawi: A statistical approach to a stationary environmental monitoring station. <b>2014</b> , 8, 330-343                                |   | 13   |
| Hydrocarbon composition of tropospheric aerosol in the south of Western Siberia. <b>2014</b> , 27, 547-557  |   | 4  |
|   | measurements during the DAURE campaign. Atmospheric Chemistry and Physics, 2013, 13, 4291-4306  Scorched Earth: how will changes in the strength of the vegetation sink to ozone deposition affect human health and ecosystems?. Atmospheric Chemistry and Physics, 2013, 13, 6741-6755  A one-year comprehensive chemical characterisation of fine aerosol (PM <sub>2.5</sub> ) at urban, suburban and rural background sites in the region of Paris (France). Atmospheric Chemistry and Physics, 2013, 13, 7825-7844  Light-absorbing carbon in Europe Imeasurement and modelling, with a focus on residential wood combustion emissions. Atmospheric Chemistry and Physics, 2013, 13, 8719-8738  The effect of carbon-nitrogen coupling on the reduced land carbon sink caused by tropospheric ozone. 2013, 40, 3227-3231  Assessment of the total, stomatal, cuticular, and soil 2 year ozone budgets of an agricultural field with winter wheat and maize crops. 2013, 118, 1120-1132  A large-eddy simulation of the phase transition of ammonium nitrate in a convective boundary layer. 2013, 118, 826-836  Vertically resolved chemical characteristics and sources of submicron aerosols measured on a Tall Tower in a suburban area near Denver, Colorado in winter. 2013, 118, 13,591-13,605  Evaluation of a regional air-quality model with bidirectional NH <sub>3</sub> exchange coupled to an agroecosystem model. Biogeosciences, 2013, 10, 1635-1645  Measurements of nitrogen oxides and ozone fluxes by eddy covariance at a meadow: evidence for an internal leaf resistance to NO <sub>2</sub> . Biogeosciences, 2013, 10, 5997-6017  Advances in understanding, models and parameterizations of biosphere-atmosphere ammonia exchange. Biogeosciences, 2013, 10, 5183-5225  Interactions between leaf nitrogen status and longevity in relation to N cycling in three contrasting European forest canopies. Biogeosciences, 2013, 10, 999-1011  Spatial variation of volatile organic compounds and carbon monoxide in Blantyre City, Malawi. 2013, 7, 159-166  Atmosph | measurements during the DAURE campaign. Atmospheric Chemistry and Physics, 2013, 13, 4291-4306  Scorched Earth: how will changes in the strength of the vegetation sink to ozone deposition affect human health and ecosystems?. Atmospheric Chemistry and Physics, 2013, 13, 6741-6755  A one-year comprehensive chemical characterisation of fine aerosol (PM&Itsub>2.58Lt;/sub>) and Physics, 2013, 13, 7825-7844  Light-absorbing carbon in Europe Imeasurement and modelling, with a focus on residential wood combustion emissions. Atmospheric Chemistry and Physics, 2013, 13, 8719-8738  6.8  The effect of carbon-nitrogen coupling on the reduced land carbon sink caused by tropospheric ozone. 2013, 40, 3227-3231  Assessment of the total, stomatal, cuticular, and soil 2 year ozone budgets of an agricultural field with winter wheat and maize crops. 2013, 118, 1120-1132  A large-eddy simulation of the phase transition of ammonium nitrate in a convective boundary layer. 2013, 118, 826-836  Vertically resolved chemical characteristics and sources of submicron aerosols measured on a Tall Tower in a suburban area near Denver, Colorado in winter. 2013, 118, 13,591-13,605  Evaluation of a regional air-quality model with bidirectional NH&Itsub>3&Itsub> exchange coupled to an agroecosystem model. Biogeosciences, 2013, 10, 1635-1645  Measurements of nitrogen oxides and ozone fluxes by eddy covariance at a meadow: evidence for an internal leaf resistance to NO&Itsub>8lb>8logeosciences, 2013, 10, 5997-6017  Advances in understanding, models and parameterizations of biosphere-atmosphere ammonia exchange. Biogeosciences, 2013, 10, 5183-5225  Interactions between leaf nitrogen status and longevity in relation to N cycling in three contrasting European forest canopies. Biogeosciences, 2013, 10, 999-1011  Spatial variation of volatile organic compounds and carbon monoxide in Blantyre City, Malawi. 2013, 7, 159-166  Atmospheric Ozone and Methane in a Changing Climate. 2014, 5, 518-535  Methane and nitrous oxide exchange over a |

## (2014-2014)

| 438                      | Nitrous oxide emission and nitrogen use efficiency in response to nitrophosphate, N-(n-butyl) thiophosphoric triamide and dicyandiamide of a wheat cultivated soil under sub-humid monsoon conditions. <b>2014</b> ,  | 1                    |
|--------------------------|---|----------------------|
| 437                      | Determination of atmospheric nitrogen deposition to a semi-natural peat bog site in an intensively managed agricultural landscape. <i>Atmospheric Environment</i> , <b>2014</b> , 97, 296-309   | 20                   |
| 436                      | Regional scale ozone data assimilation using an ensemble Kalman filter and the CHIMERE chemical transport model. <b>2014</b> , 7, 283-302   | 27                   |
| 435                      | Chemistry and isotopic composition of precipitation and surface waters in Khumbu valley (Nepal Himalaya): N dynamics of high elevation basins. <i>Science of the Total Environment</i> , <b>2014</b> , 485-486, 681-692 <sup>1.O.2</sup>  | 22                   |
| 434                      | A global assessment of precipitation chemistry and deposition of sulfur, nitrogen, sea salt, base cations, organic acids, acidity and pH, and phosphorus. <i>Atmospheric Environment</i> , <b>2014</b> , 93, 3-100  | 490                  |
| 433                      | A fully integrated isoprenoid emissions model coupling emissions to photosynthetic characteristics. <b>2014</b> , 37, 1965-80   | 51                   |
| 432                      | Resolving the internal structure of individual atmospheric aerosol particle by the combination of Atomic Force Microscopy, ESEMEDX, Raman and ToFBIMS imaging. <b>2014</b> , 114, 89-98   | 47                   |
| 431                      | Volatile isoprenoids and their importance for protection against environmental constraints in the Mediterranean area. <b>2014</b> , 103, 99-106   | 31                   |
| 430                      | Diurnal variation of ozone flux over corn field in Northwestern Shandong Plain of China. <b>2014</b> , 57, 503-511  | 6                    |
| 429                      | Bidirectional exchange of biogenic volatiles with vegetation: emission sources, reactions, breakdown and deposition. <b>2014</b> , 37, 1790-809   | 79                   |
|                          |   |                      |
| 428                      | Trends in atmospheric deposition fluxes of sulphur and nitrogen in Czech forests. <b>2014</b> , 184, 668-75   | 38                   |
| 428<br>427               | Trends in atmospheric deposition fluxes of sulphur and nitrogen in Czech forests. <b>2014</b> , 184, 668-75  Plant volatiles in polluted atmospheres: stress responses and signal degradation. <b>2014</b> , 37, 1892-904   | 38                   |
|                          |   |                      |
| 427                      | Plant volatiles in polluted atmospheres: stress responses and signal degradation. <b>2014</b> , 37, 1892-904  Foliar rinse study of atmospheric black carbon deposition to leaves of konara oak (Quercus serrata)   | 114                  |
| 427<br>426               | Plant volatiles in polluted atmospheres: stress responses and signal degradation. <b>2014</b> , 37, 1892-904  Foliar rinse study of atmospheric black carbon deposition to leaves of konara oak (Quercus serrata) stands. <i>Atmospheric Environment</i> , <b>2014</b> , 97, 511-518  5-3  Aerosol dry deposition in the urban environment: Assessment of deposition velocity on building   | 114                  |
| 427<br>426<br>425        | Plant volatiles in polluted atmospheres: stress responses and signal degradation. <b>2014</b> , 37, 1892-904  Foliar rinse study of atmospheric black carbon deposition to leaves of konara oak (Quercus serrata) stands. <i>Atmospheric Environment</i> , <b>2014</b> , 97, 511-518  Aerosol dry deposition in the urban environment: Assessment of deposition velocity on building facades. <b>2014</b> , 69, 113-131  Multilayered modeling of particulate matter removal by a growing forest over time, from plant  | 114<br>8<br>17       |
| 427<br>426<br>425<br>424 | Plant volatiles in polluted atmospheres: stress responses and signal degradation. 2014, 37, 1892-904  Foliar rinse study of atmospheric black carbon deposition to leaves of konara oak (Quercus serrata) stands. Atmospheric Environment, 2014, 97, 511-518  Aerosol dry deposition in the urban environment: Assessment of deposition velocity on building facades. 2014, 69, 113-131  Multilayered modeling of particulate matter removal by a growing forest over time, from plant surface deposition to washoff via rainfall. 2014, 48, 10785-94  Global dry deposition of nitrogen dioxide and sulfur dioxide inferred from space-based | 114<br>8<br>17<br>50 |

| 420 | Simulated air quality and pollutant budgets over Europe in 2008. <i>Science of the Total Environment</i> , <b>2014</b> , 470-471, 270-81   | 10.2         | 3   |
|-----|--|--------------|-----|
| 419 | Nuclear magnetic resonance spectroscopy for determining the functional content of organic aerosols: a review. <b>2014</b> , 191, 232-49  |              | 29  |
| 418 | Ozone levels in European and USA cities are increasing more than at rural sites, while peak values are decreasing. <b>2014</b> , 192, 295-9  |              | 163 |
| 417 | Anthropogenic and Natural Radiative Forcing. 659-740   |              | 472 |
| 416 | Technical Note: An empirical algorithm estimating dry deposition velocity of fine, coarse and giant particles. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 3729-3737  | 6.8          | 44  |
| 415 | Impacts of climate and emission changes on nitrogen deposition in Europe: a multi-model study. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 6995-7017  | 6.8          | 75  |
| 414 | Classification of clouds sampled at the puy de Dîne (France) based on 10 yr of monitoring of their physicochemical properties. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 1485-1506                                | 6.8          | 74  |
| 413 | Observations of reactive nitrogen oxide fluxes by eddy covariance above two midlatitude North American mixed hardwood forests. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 2939-2957                                | 6.8          | 28  |
| 412 | Seasonal cycles of water-soluble organic nitrogen aerosols in a deciduous broadleaf forest in northern Japan. <b>2014</b> , 119, 1440-1454   |              | 43  |
| 411 | Relevance of canopy drip for the accumulation of nitrogen in moss used as biomonitors for atmospheric nitrogen deposition in Europe. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 600-10                             | 10.2         | 16  |
| 410 | Trends of deposition fluxes and loadings of sulfur dioxide and nitrogen oxides in the artificial Three Northern Regions Shelter Forest across northern China. <b>2015</b> , 207, 238-47  |              | 9   |
| 409 | Chemical processing within and above a loblolly pine forest in North Carolina, USA. <b>2015</b> , 72, 235-259  |              | 3   |
| 408 | Tropospheric ozone and its precursors from the urban to the global scale from air quality to short-lived climate forcer. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8889-8973                                      | 6.8          | 623 |
| 407 | Effects of global change during the 21st century on the nitrogen cycle. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 13849-13893   | 6.8          | 112 |
| 406 | An evaluation of ozone dry deposition in global scale chemistry climate models. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 6419-6436   | 6.8          | 85  |
| 405 | Estimating NH<sub>3</sub> emissions from agricultural fertilizer application in China using the bi-directional CMAQ model coupled to an agro-ecosystem model. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 6637-6649 | 6.8          | 51  |
| 404 | Particulate matter, air quality and climate: lessons learned and future needs. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8217-8299  | 6.8          | 462 |
| 403 | Impact of future land-cover changes on HNO<sub>3</sub> and O<sub>3</sub> and Physics, <b>2015</b> , 15, 13555-1  | 3568<br>3568 | 9   |

#### (2015-2015)

| 402 | Nitrous oxide emission and nitrogen use efficiency in response to nitrophosphate, N-(n-butyl) thiophosphoric triamide and dicyandiamide of a wheat cultivated soil under sub-humid monsoon conditions. <i>Biogeosciences</i> , <b>2015</b> , 12, 803-815 | 4.6 | 45  |
|-----|--|-----|-----|
| 401 | LIFE+IPNOA mobile prototype for the monitoring of soil N2O emissions from arable crops: first-year results on durum wheat. <b>2015</b> , 10, 124   |     | 5   |
| 400 | Modelling the effect of soil moisture and organic matter degradation on biogenic NO emissions from soils in Sahel rangeland (Mali). <i>Biogeosciences</i> , <b>2015</b> , 12, 3253-3272  | 4.6 | 15  |
| 399 | End-to-End Simulation for a Forest-Dedicated Full-Waveform Lidar Onboard a Satellite Initialized from Airborne Ultraviolet Lidar Experiments. <b>2015</b> , 7, 5222-5255   |     | 8   |
| 398 | LAND-ATMOSPHERE INTERACTIONS   Trace Gas Exchange. <b>2015</b> , 256-261   |     |     |
| 397 | Understanding emissions of ammonia from buildings and the application of fertilizers: an example from Poland. <i>Biogeosciences</i> , <b>2015</b> , 12, 3623-3638  | 4.6 | 4   |
| 396 | Ozone concentrations, flux and potential effect on yield during wheat growth in the Northwest-Shandong Plain of China. <i>Journal of Environmental Sciences</i> , <b>2015</b> , 34, 1-9  | 6.4 | 24  |
| 395 | Seasonal and interannual variations in whole-ecosystem isoprene and monoterpene emissions from a temperate mixed forest in Northern China. <b>2015</b> , 6, 696-707  |     | 23  |
| 394 | Evaluation of the surface roughness effect on suspended particle deposition near unpaved roads. <i>Atmospheric Environment</i> , <b>2015</b> , 122, 541-551  | 5.3 | 6   |
| 393 | Influence of air mass origin on aerosol properties at a remote Michigan forest site. <i>Atmospheric Environment</i> , <b>2015</b> , 107, 35-43   | 5.3 | 12  |
| 392 | How light, temperature, and measurement and growth [CO2] interactively control isoprene emission in hybrid aspen. <b>2015</b> , 66, 841-51   |     | 33  |
| 391 | Plant-Mediated Ecosystem Effects of Tropospheric Ozone. <b>2015</b> , 395-438  |     | 3   |
| 390 | Review and Integration of Biosphere-Atmosphere Modelling of Reactive Trace Gases and Volatile Aerosols. <b>2015</b> ,  |     | 1   |
| 389 | Comparison of ozone deposition measured with the dynamic chamber and the eddy covariance method. <b>2015</b> , 206, 97-112   |     | 9   |
| 388 | Atmospheric Chemistry. <b>2015</b> ,   |     | 1   |
| 387 | A comparison of the physical and optical properties of anthropogenic air pollutants and mineral dust over Northwest China. <b>2015</b> , 29, 180-200   |     | 17  |
| 386 | Effects of global change during the 21st century on the nitrogen cycle. <b>2015</b> ,  |     | 12  |
| 385 | Multiphase chemistry at the atmosphere-biosphere interface influencing climate and public health in the anthropocene. <b>2015</b> , 115, 4440-75   |     | 326 |

| 384 | Positive but variable sensitivity of August surface ozone to large-scale warming in the southeast United States. <b>2015</b> , 5, 454-458   | 59  |
|-----|---|-----|
| 383 | Modelling Atmosphere-Biosphere Exchange of Ozone and Nitrogen Oxides. <b>2015</b> , 85-105  | 4   |
| 382 | Reviews on Impact Assessments of Land-Use Change on Key Ecosystem Services. <b>2015</b> , 1-35  | O   |
| 381 | Concentration- and flux-based ozone dose-response relationships for five poplar clones grown in North China. <b>2015</b> , 207, 21-30   | 47  |
| 380 | An empirical inferential method of estimating nitrogen deposition to Mediterranean-type ecosystems: the San Bernardino Mountains case study. <b>2015</b> , 203, 69-88   | 19  |
| 379 | Nonlinear response of nitric oxide emissions to a nitrogen application gradient: A case study during the wheat season in a Chinese rice-wheat rotation system. <i>Atmospheric Environment</i> , <b>2015</b> , 102, 200-208 <sup>5.3</sup> | 15  |
| 378 | A review of soil NO transformation: Associated processes and possible physiological significance on organisms. <b>2015</b> , 80, 92-117   | 131 |
| 377 | Progress in Botany. <b>2015</b> ,   | 5   |
| 376 | Quantifying nitrous oxide fluxes on multiple spatial scales in the Upper Midwest, USA. <b>2015</b> , 59, 299-310  | 8   |
| 375 | The role of dew as a nighttime reservoir and morning source for atmospheric ammonia. <b>2016</b> ,  | 1   |
| 374 | Seasonal variations in metallic mercury (Hg<sup>0</sup>) vapor exchange over biannual wheatBorn rotation cropland in the North China Plain. <i>Biogeosciences</i> , <b>2016</b> , 13, 2029-2049   | 16  |
| 373 | The effect of viscosity on the HO<sub>2</sub> uptake by sucrose and secondary organic aerosol particles. <b>2016</b> ,  | 1   |
| 372 | Source apportionment of atmospheric ammonia before, during, and after the 2014 APEC summit in Beijing using stable nitrogen isotope signatures. <b>2016</b> ,   | 2   |
| 371 | Seven years of IASI ozone retrievals from FORLI: validation with independent total column and vertical profile measurements. <b>2016</b> , 9, 4327-4353   | 28  |
| 370 | The import and export of organic nitrogen species at a Scottish ombrotrophic peatland.  Biogeosciences, 2016, 13, 2353-2365  4.6  | 5   |
| 369 | Are BVOC exchanges in agricultural ecosystems overestimated? Insights from fluxes measured in a maize field over a whole growing season. <b>2016</b> ,  |     |
| 368 | The impact of European legislative and technology measures to reduce air pollutants on air quality, human health and climate. <b>2016</b> , 11, 024010  | 30  |
| 367 | A New Method for Assessing the Contribution of Atmospheric Deposition to the Stormwater Runoff Metal Load in a Small Urban Catchment. <b>2016</b> , 227, 1  | 7   |

| 366 | Dry deposition of particles to canopies look back and the road forward. <b>2016</b> , 121, 14,691-14,707   |     | 25  |
|-----|--|-----|-----|
| 365 | Springtime precipitation effects on the abundance of fluorescent biological aerosol particles and HULIS in Beijing. <b>2016</b> , 6, 29618   |     | 37  |
| 364 | Accumulation of heavy metals and antioxidant responses in Pinus sylvestris L. needles in polluted and non-polluted sites. <b>2016</b> , 25, 970-81   |     | 28  |
| 363 | Annual dynamics of aerosol organic components in the free atmosphere over South-Western Siberia. <b>2016</b> , 29, 1-4   |     | 1   |
| 362 | Molecular Markers of Secondary Organic Aerosol in Mumbai, India. <b>2016</b> , 50, 4659-67   |     | 35  |
| 361 | Greenhouse gas emissions from soils Areview. <b>2016</b> , 76, 327-352   |     | 423 |
| 360 | Deciphering the ozone-induced changes in cellular processes: a prerequisite for ozone risk assessment at the tree and forest levels. <b>2016</b> , 73, 923-943   |     | 38  |
| 359 | Methods for Measuring Greenhouse Gas Balances and Evaluating Mitigation Options in Smallholder Agriculture. <b>2016</b> ,  |     | 7   |
| 358 | The chemical composition and fluxes of atmospheric wet deposition at four sites in South Africa. <i>Atmospheric Environment</i> , <b>2016</b> , 146, 113-131   | 5.3 | 53  |
| 357 | Drainage, no-tillage and crop rotation decreases annual cumulative emissions of methane and nitrous oxide from a rice field in Southwest China. <b>2016</b> , 233, 270-281                                       |     | 19  |
| 356 | Evaluating stomatal ozone fluxes in WRF-Chem: Comparing ozone uptake in Mediterranean ecosystems. <i>Atmospheric Environment</i> , <b>2016</b> , 143, 237-248  | 5.3 | 15  |
| 355 | A modeling study of effective radiative forcing and climate response due to tropospheric ozone. <b>2016</b> , 33, 819-828  |     | 11  |
| 354 | Columnar aerosol characteristics and radiative forcing over the Doon Valley in the Shivalik range of northwestern Himalayas. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 25467-25484 | 5.1 | 20  |
| 353 | Measurement of rare isotopologues of nitrous oxide by high-resolution multi-collector mass spectrometry. <b>2016</b> , 30, 1923-40   |     | 25  |
| 352 | Long-term nitrous oxide fluxes in annual and perennial agricultural and unmanaged ecosystems in the upper Midwest USA. <b>2016</b> , 22, 3594-3607   |     | 41  |
| 351 | Spatial and seasonal variations of atmospheric sulfur concentrations and dry deposition at 16 rural and suburban sites in China. <i>Atmospheric Environment</i> , <b>2016</b> , 146, 79-89                       | 5.3 | 19  |
| 350 | Influence of Southeast Asian Haze episodes on high PM concentrations across Brunei Darussalam. <b>2016</b> , 219, 337-352  |     | 25  |
| 349 | Atmospheric emission of nitric oxide and processes involved in its biogeochemical transformation in terrestrial environment. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 1               | 5.1 | 5   |

| 348 | Source apportionment of atmospheric ammonia before, during, and after the 2014 APEC summit in Beijing using stable nitrogen isotope signatures. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 11635-1                         | 1647 | 77  |
|-----|--|------|-----|
| 347 | Non-stomatal exchange in ammonia dry deposition models: comparison of two state-of-the-art approaches. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 13417-13430  | 6.8  | 9   |
| 346 | Spectral analysis of atmospheric composition: application to surface ozone modelTheasurement comparisons. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 8295-8308   | 6.8  | 9   |
| 345 | Cloud water composition during HCCT-2010: Scavenging efficiencies, solute concentrations, and droplet size dependence of inorganic ions and dissolved organic carbon. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 3185-3205 | 6.8  | 42  |
| 344 | The effect of viscosity and diffusion on the HO<sub>2</sub> uptake by sucrose and secondary organic aerosol particles. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 13035-13047  | 6.8  | 19  |
| 343 | Sensitivity of nitrate aerosols to ammonia emissions and to nitrate chemistry: implications for present and future nitrate optical depth. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 1459-1477                             | 6.8  | 55  |
| 342 | Are BVOC exchanges in agricultural ecosystems overestimated? Insights from fluxes measured in a maize field over a whole growing season. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5343-5356                              | 6.8  | 22  |
| 341 | The global tropospheric ammonia distribution as seen in the 13-year AIRS measurement record. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5467-5479  | 6.8  | 91  |
| 340 | The role of dew as a night-time reservoir and morning source for atmospheric ammonia. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7435-7449   | 6.8  | 38  |
| 339 | Wet deposition at the base of Mt Everest: Seasonal evolution of the chemistry and isotopic composition. <i>Atmospheric Environment</i> , <b>2016</b> , 146, 100-112  | 5.3  | 15  |
| 338 | A two-stage soil infiltration system incorporated with heterotrophic denitrification (TSISHD) for urban runoff treatment. <b>2016</b> , 47, 128-136  |      |     |
| 337 | Differential controls by climate and physiology over the emission rates of biogenic volatile organic compounds from mature trees in a semi-arid pine forest. <b>2016</b> , 180, 345-58   |      | 12  |
| 336 | Progress in the Analysis of Complex Atmospheric Particles. <b>2016</b> , 9, 117-43   |      | 40  |
| 335 | Scaling of photosynthesis and constitutive and induced volatile emissions with severity of leaf infection by rust fungus (Melampsora larici-populina) in Populus balsamifera var. suaveolens. <b>2016</b> , 36, 856-72                       |      | 38  |
| 334 | Atmospheric pollutants in peri-urban forests of Quercus ilex: evidence of pollution abatement and threats for vegetation. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 6400-13                                    | 5.1  | 29  |
| 333 | Long-term assessment of nitrogen deposition at remote EANET sites in Japan. <i>Atmospheric Environment</i> , <b>2016</b> , 146, 70-78  | 5.3  | 27  |
| 332 | Phytovolatilization of Organic Contaminants. <b>2016</b> , 50, 6632-43   |      | 126 |
| 331 | Ammonia emission time profiles based on manure transport data improve ammonia modelling across north western Europe. <i>Atmospheric Environment</i> , <b>2016</b> , 131, 83-96   | 5.3  | 25  |

| 330 | Towards a better spatial quantification of nitrogen deposition: A case study for Czech forests. <b>2016</b> , 213, 1028-1041   | 15  |
|-----|--|-----|
| 329 | Greenhouse gas mitigation potentials in the livestock sector. <b>2016</b> , 6, 452-461   | 376 |
| 328 | BVOC responses to realistic nitrogen fertilization and ozone exposure in silver birch. <b>2016</b> , 213, 988-995  | 36  |
| 327 | Dry deposition of O3 and SO2 estimated from gradient measurements above a temperate mixed forest. <b>2016</b> , 210, 202-10  | 13  |
| 326 | Climate Adaptation of Tropical Cattle. <b>2017</b> , 5, 133-150  | 14  |
| 325 | Interannual variability in ozone removal by a temperate deciduous forest. <b>2017</b> , 44, 542-552  | 41  |
| 324 | An Experimental Study of the Kinetics of $OH/OD(v = 1,2,3) + SO$ : The Limiting High-Pressure Rate Coefficients as a Function of Temperature. <b>2017</b> , 121, 3175-3183   | 6   |
| 323 | Climate-driven exceedance of total (wet + dry) nitrogen (N) + sulfur (S) deposition to forest soil over the conterminous U.S. <b>2017</b> , 5, 560-576   | 8   |
| 322 | Epidemiological analysis of ozone and nitrogen impacts on vegetation - Critical evaluation and recommendations. <i>Science of the Total Environment</i> , <b>2017</b> , 603-604, 785-792   | 20  |
| 321 | Nitrous Oxide and Dinitrogen: The Missing Flux in Nitrogen Budgets of Forested Catchments?. <b>2017</b> , 51, 6036-6043  | 7   |
| 320 | NILU-UV multi-filter radiometer total ozone columns: Comparison with satellite observations over Thessaloniki, Greece. <i>Science of the Total Environment</i> , <b>2017</b> , 590-591, 92-106   | 2   |
| 319 | Understanding ozone-meteorology correlations: A role for dry deposition. <b>2017</b> , 44, 2922-2931   | 63  |
| 318 | Joint analysis of deposition fluxes and atmospheric concentrations of inorganic nitrogen and sulphur compounds predicted by six chemistry transport models in the frame of the EURODELTAIII 5.3 project. <i>Atmospheric Environment</i> , <b>2017</b> , 151, 152-175 | 24  |
| 317 | Measuring atmospheric ammonia with remote sensing campaign: Part 1 Characterisation of vertical ammonia concentration profile in the centre of The Netherlands. <i>Atmospheric Environment</i> , 5.3 <b>2017</b> , 169, 97-112                                       | 23  |
| 316 | Characterization of particulate matter deposited on urban tree foliage: A landscape analysis approach. <i>Atmospheric Environment</i> , <b>2017</b> , 171, 59-69   | 15  |
| 315 | Aerosol particle dry deposition velocity above natural surfaces: Quantification according to the particles diameter. <b>2017</b> , 114, 107-117  | 13  |
| 314 | Substantial N 2 O emission during the initial period of the wheat season due to the conversion of winter-flooded paddy to rice-wheat rotation. <i>Atmospheric Environment</i> , <b>2017</b> , 170, 269-278   | 7   |
| 313 | Impacts on Cloud Chemistry. <b>2017</b> , 221-248  | 5   |

| 312 | Ozone risk assessment for an Alpine larch forest in two vegetative seasons with different approaches: comparison of POD and AOT40. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 26238-26248 | 5.1  | 6  |
|-----|--|------|----|
| 311 | Source apportionment of settleable particles in an impacted urban and industrialized region in Brazil. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 22026-22039                             | 5.1  | 30 |
| 310 | Trends of two decadal precipitation chemistry in a subtropical rainforest in East Asia. <i>Science of the Total Environment</i> , <b>2017</b> , 605-606, 88-98   | 10.2 | 18 |
| 309 | Thoughts on Earth System Modeling: From global to regional scale. <b>2017</b> , 171, 456-462   |      | 10 |
| 308 | Woody-plant ecosystems under climate change and air pollution-response consistencies across zonobiomes?. <b>2017</b> , 37, 706-732   |      | 12 |
| 307 | Nitrogen deposition to forest ecosystems with focus on its different forms. <i>Science of the Total Environment</i> , <b>2017</b> , 575, 791-798   | 10.2 | 13 |
| 306 | Strong influence of deposition and vertical mixing on secondary organic aerosol concentrations in CMAQ and CAMx. <i>Atmospheric Environment</i> , <b>2017</b> , 171, 317-329   | 5.3  | 3  |
| 305 | Modeling the diurnal variability of agricultural ammonia in Bakersfield, California, during the CalNex campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 2721-2739                                | 6.8  | 11 |
| 304 | Adverse effects of increasing drought on air quality via natural processes. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 12827-12843   | 6.8  | 26 |
| 303 | Responses of surface ozone air quality to anthropogenic nitrogen deposition in the Northern Hemisphere. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 9781-9796   | 6.8  | 11 |
| 302 | Dynamics of soil-derived greenhouse gas emissions from shelterbelts under elevated soil moisture conditions in a semi-arid prairie environment. <b>2017</b> , 92, 321  |      | 1  |
| 301 | Revisiting the contribution of land transport and shipping emissions to tropospheric ozone. <b>2017</b> ,  |      |    |
| 300 | . 2017,  |      | 14 |
| 299 | Unmanned Aerial Systems for Monitoring Trace Tropospheric Gases. <b>2017</b> , 8, 206  |      | 43 |
| 298 | Ammonia emissions from a grazed field estimated by miniDOAS measurements and inverse dispersion modelling. <b>2017</b> , 10, 1875-1892   |      | 13 |
| 297 | Low modeled ozone production suggests underestimation of precursor emissions (especially NO<sub>x</sub>) in Europe. <b>2017</b> ,  |      |    |
| 296 | Responses of surface ozone air quality to anthropogenic nitrogen deposition in the Northern Hemisphere. <b>2017</b> ,  |      |    |
| 295 | Drivers for spatial, temporal and long-term trends in atmospheric ammonia and ammonium in the UK. <b>2017</b> ,  |      | 1  |

| 294 | Development and evaluation of an ozone deposition scheme for coupling to a terrestrial biosphere model. <i>Biogeosciences</i> , <b>2017</b> , 14, 45-71  | 4.6  | 15 |
|-----|--|------|----|
| 293 | Ozone pollution around a coastal region of South China Sea: Interaction between marine and continental air. <b>2017</b> ,  |      |    |
| 292 | Greenhouse gas fluxes over managed grasslands in Central Europe. <b>2018</b> , 24, 1843-1872   |      | 44 |
| 291 | Effects of application of inhibitors and biochar to fertilizer on gaseous nitrogen emissions from an intensively managed wheat field. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 121-130                                       | 10.2 | 48 |
| 290 | Management intensity controls soil NO fluxes in an Afromontane ecosystem. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 769-780   | 10.2 | 15 |
| 289 | Ozone-triggered surface uptake and stress volatile emissions in Nicotiana tabacum 'Wisconsin'. <b>2018</b> , 69, 681-697   |      | 18 |
| 288 | Ozone pollution around a coastal region of South China Sea: interaction between marine and continental air. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 4277-4295   | 6.8  | 37 |
| 287 | Factors controlling nitrous oxide emissions from managed northern peat soils with low carbon to nitrogen ratio. <b>2018</b> , 122, 186-195   |      | 26 |
| 286 | Low modeled ozone production suggests underestimation of precursor emissions (especially NO<sub><i>x</i></sub>) in Europe. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2175-2198  | 6.8  | 18 |
| 285 | Drivers for spatial, temporal and long-term trends in atmospheric ammonia and ammonium in the UK. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 705-733   | 6.8  | 29 |
| 284 | Exploring the features on the OH + SO potential energy surface using theory and testing its accuracy by comparison to experimental data. <b>2018</b> , 20, 8984-8990   |      | 3  |
| 283 | Ambient concentrations and deposition rates of selected reactive nitrogen species and their contribution to PM aerosols at three locations with contrasting land use in southwest China. <b>2018</b> , 233, 1164-1176                                |      | 8  |
| 282 | Dry Deposition of Reactive Nitrogen From Satellite Observations of Ammonia and Nitrogen Dioxide Over North America. <b>2018</b> , 45, 1157-1166  |      | 42 |
| 281 | Characterization of ozone deposition to a mixed oakflornbeam forest Iflux measurements at five levels above and inside the canopy and their interactions with nitric oxide. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 17945-17961 | 6.8  | 12 |
| 280 | Variability of Ozone Deposition Velocity Over a Mixed Suburban Temperate Forest. <i>Frontiers in Environmental Science</i> , <b>2018</b> , 6,  | 4.8  | 7  |
| 279 | X-ray computed tomography to predict soil N2O production via bacterial denitrification and N2O emission in contrasting bioenergy cropping systems. <b>2018</b> , 10, 894-909   |      | 13 |
| 278 | Acid gases and aerosol measurements in the UK (1999\(\textbf{0}015\)): regional distributions and trends. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 16293-16324   | 6.8  | 10 |
| 277 | Relationship between precipitation and soil water chemistry in an intensively managed clayey soil environment in southwest England: a preliminary study. <b>2018</b> , 8, 339  |      |    |

| 276 | Coupling between surface ozone and leaf area index in a chemical transport model: strength of feedback and implications for ozone air quality and vegetation health. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 14133-14148 | 17 |
|-----|---|----|
| 275 | Characterisation of ozone deposition to a mixed oak-hornbeam forest. Flux measurements at 5 levels above and inside the canopy and their interactions with nitric oxide. <b>2018</b> ,  |    |
| 274 | The vertical variability of ammonia in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 16385-16398   | 28 |
| 273 | The impact of future emission policies on tropospheric ozone using a parameterised approach.  Atmospheric Chemistry and Physics, <b>2018</b> , 18, 8953-8978  | 29 |
| 272 | Monitoring Greenhouse Gas Fluxes in Agro-ecosystems. <b>2018</b> , 25-50  |    |
| 271 | The Impact of Future Emission Policies on Tropospheric Ozone using a Parameterised Approach. <b>2018</b> ,  | 1  |
| 270 | Impact of Human Activity and Climate on Nitrogen in Agriculture. 2018, 1-52   | 1  |
| 269 | Large but decreasing effect of ozone on the European carbon sink. <i>Biogeosciences</i> , <b>2018</b> , 15, 4245-4269 4.6   | 28 |
| 268 | Joining empirical and modelling approaches to estimate dry deposition of nitrogen in Mediterranean forests. <b>2018</b> , 243, 427-436  | 4  |
| 267 | Spatial variation of modelled total, dry and wet nitrogen deposition to forests at global scale. <b>2018</b> , 243, 1287-1301   | 41 |
| 266 | Chemical transfer of dissolved organic matter from surface seawater to sea spray water-soluble organic aerosol in the marine atmosphere. <b>2018</b> , 8, 14861   | 17 |
| 265 | Validation of the IASI FORLI/EUMETSAT ozone products using satellite (GOME-2), ground-based (Brewer <b>D</b> obson, SAOZ, FTIR) and ozonesonde measurements. <b>2018</b> , 11, 5125-5152  | 24 |
| 264 | Evaluation and Intercomparison of Five North American Dry Deposition Algorithms at a Mixed Forest Site. <b>2018</b> , 10, 1571-1586   | 32 |
| 263 | Size-Resolved Dry Deposition Velocities of Dust Particles: In Situ Measurements and Parameterizations Testing. <b>2018</b> , 123, 11,080-11,099   | 5  |
| 262 | Global atmospheric sulfur deposition and associated impaction on nitrogen cycling in ecosystems. <b>2018</b> , 195, 1-9   | 22 |
| 261 | DMPSA and DMPP equally reduce N2O emissions from a maize-ryegrass forage rotation under Atlantic climate conditions. <i>Atmospheric Environment</i> , <b>2018</b> , 187, 255-265  | 17 |
| 260 | Measurement-based investigation of ozone deposition to vegetation under the effects of coastal and photochemical air pollution in the Eastern Mediterranean. <i>Science of the Total Environment</i> , 10.2 <b>2018</b> , 645, 1579-1597      | 7  |
| 259 | Priority and emerging pollutants in the Moscow rain. <i>Science of the Total Environment</i> , <b>2018</b> , 645, 1126-1 <u>1</u> 13. <u>4</u>  | 23 |

| 258 | Nitrous oxide mitigation potential of reduced tillage and N input in durum wheat in the Mediterranean. <i>Nutrient Cycling in Agroecosystems</i> , <b>2018</b> , 111, 189-201  | 3.3 | 4  |  |
|-----|--|-----|----|--|
| 257 | Current inventory approach overestimates the effect of irrigated crop management on soil-derived greenhouse gas emissions in the semi-arid Canadian Prairies. <b>2018</b> , 208, 19-32   |     | 9  |  |
| 256 | Size-resolved aerosol fluxes above a temperate broadleaf forest. <i>Atmospheric Environment</i> , <b>2018</b> , 190, 359-375   | 5.3 | 4  |  |
| 255 | Does magnification of SEM image influence quantification of particulate matters deposited on vegetation foliage. <b>2018</b> , 115, 7-16   |     | 5  |  |
| 254 | Revisiting the contribution of land transport and shipping emissions to tropospheric ozone. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 5567-5588   | 6.8 | 17 |  |
| 253 | Detection of semi-volatile compounds in cloud waters by GCGC-TOF-MS. Evidence of phenols and phthalates as priority pollutants. <b>2018</b> , 241, 616-625   |     | 29 |  |
| 252 | A first record of bulk atmospheric deposition patterns of major ions in southern South America. <b>2019</b> , 144, 261-271   |     | 3  |  |
| 251 | Effects of Environmental Factors on Ozone Flux over a Wheat Field Modeled with an Artificial Neural Network. <b>2019</b> , 2019, 1-11  |     |    |  |
| 250 | 300 years of tropospheric ozone changes using CMIP6 scenarios with a parameterised approach. <i>Atmospheric Environment</i> , <b>2019</b> , 213, 686-698   | 5.3 | 12 |  |
| 249 | 2005\(\mathbb{Q}\)017 ozone trends and potential benefits of local measures as deduced from air quality measurements in the north of the Barcelona metropolitan area. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 7445-7465 | 6.8 | 12 |  |
| 248 | Spatiotemporal Controls on Observed Daytime Ozone Deposition Velocity Over Northeastern U.S. Forests During Summer. <b>2019</b> , 124, 5612-5628   |     | 16 |  |
| 247 | Reviews and syntheses: influences of landscape structure and land uses on local to regional climate and air quality. <i>Biogeosciences</i> , <b>2019</b> , 16, 2369-2408   | 4.6 | 10 |  |
| 246 | Impact of chemical initial and lateral boundary conditions on air quality prediction. <b>2019</b> , 64, 1331-1342  |     | 6  |  |
| 245 | Summertime Soil-Atmosphere Ammonia Exchange in the Colorado Rocky Mountain Front Range Pine Forest. <b>2019</b> , 3, 15  |     | 4  |  |
| 244 | Sensitivity of Ozone Dry Deposition to Ecosystem-Atmosphere Interactions: A Critical Appraisal of Observations and Simulations. <b>2019</b> , 33, 1264-1288  |     | 20 |  |
| 243 | Impacts of future agricultural change on ecosystem service indicators. 2019,   |     | 1  |  |
| 242 | Aerosol dynamics and gas-particle conversion in dry deposition of inorganic reactive nitrogen in a temperate forest. <b>2019</b> ,   |     |    |  |
| 241 | Relative importance of gas uptake on aerosol and ground surfaces characterized by equivalent uptake coefficients. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 10981-11011   | 6.8 | 11 |  |

| 240 | The impact of climate mitigation measures on near term climate forcers. <b>2019</b> , 14, 104013  |      | 1  |
|-----|---|------|----|
| 239 | Attributing land transport emissions to ozone and ozone precursors in Europe and Germany. 2019,   |      | 3  |
| 238 | Criteria Air Pollutants and their Impact on Environmental Health. 2019,   |      | 20 |
| 237 | Numerical modeling of ozone damage to plants and its effects on atmospheric CO2 in China. <i>Atmospheric Environment</i> , <b>2019</b> , 217, 116970  | 5.3  | 7  |
| 236 | Relative importance of gas uptake on aerosol and ground surfaces characterized by equivalent uptake coefficients. <b>2019</b> ,   |      |    |
| 235 | Photo-cross-linking of Anthracene as a Versatile Strategy to Design Shape Memory Polymers. <b>2019</b> , 16, 1524-1530  |      | 5  |
| 234 | Source partitioning and emission factor of nitrous oxide during warm and cold cropping seasons from an upland soil in South Korea. <i>Science of the Total Environment</i> , <b>2019</b> , 662, 591-599                 | 10.2 | 2  |
| 233 | The influence of revetment types on soil denitrification in the adjacent tidal urban riparian zones. <b>2019</b> , 574, 398-407   |      | 8  |
| 232 | Towards a more complete quantification of the global carbon cycle. <i>Biogeosciences</i> , <b>2019</b> , 16, 831-846  | 4.6  | 12 |
| 231 | Vertical distribution of ozone over Shanghai during late spring: A balloon-borne observation. <i>Atmospheric Environment</i> , <b>2019</b> , 208, 48-60   | 5.3  | 28 |
| 230 | Implementation of the effect of urease inhibitor on ammonia emissions following urea-based fertilizer application at a Zea mays field in central Illinois: A study with SURFATM-NH3 model. <b>2019</b> , 269-270, 78-87 |      | 5  |
| 229 | Emission mechanism and reduction countermeasures of agricultural greenhouse gases <b>la</b> review. <b>2019</b> , 9, 160-174  |      | 19 |
| 228 | Biochar reduces the efficiency of nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) mitigating NO emissions. <b>2019</b> , 9, 2346  |      | 15 |
| 227 | Applying WRF-CMAQ models for assessment of sulphur and nitrogen deposition in Bulgaria for the years 2016 and 2017. <b>2019</b> , 66, 162   |      | 4  |
| 226 | What Are the Principal Factors Affecting Ambient Ozone Concentrations in Czech Mountain Forests?. <b>2019</b> , 2,  |      | 6  |
| 225 | N of lichens reflects the isotopic signature of ammonia source. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 698-704  | 10.2 | 11 |
| 224 | Soil ozone deposition: Dependence of soil resistance to soil texture. <i>Atmospheric Environment</i> , <b>2019</b> , 199, 202-209   | 5.3  | 7  |
| 223 | Study of the figstrfin turbidity over Romanian Black Sea coast. <b>2019</b> , 182, 67-78  |      | 3  |

#### (2020-2019)

| 222 | Spatial-temporal variations of summertime ozone concentrations across a metropolitan area using a network of low-cost monitors to develop 24 hourly land-use regression models. <i>Science of the Total Environment</i> , <b>2019</b> , 654, 1167-1178 | 10.2 | 20 |
|-----|--|------|----|
| 221 | Investigation of ozone deposition to vegetation under warm and dry conditions near the Eastern Mediterranean coast. <i>Science of the Total Environment</i> , <b>2019</b> , 658, 1316-1333   | 10.2 | 8  |
| 220 | Effects of Maize-Soybean Intercropping on Nitrous Oxide Emissions from a Silt Loam Soil in the North China Plain. <b>2019</b> , 29, 764-772  |      | 4  |
| 219 | Using green infrastructure to improve urban air quality (GI4AQ). 2020, 49, 62-73   |      | 71 |
| 218 | Long-term trends in nitrogen oxides at different types of monitoring stations in the Czech Republic. <i>Science of the Total Environment</i> , <b>2020</b> , 699, 134378   | 10.2 | 13 |
| 217 | Assessing particle dry deposition in an urban environment by using dispersion models. <b>2020</b> , 11, 1-10   |      | 6  |
| 216 | Dynamics and mechanisms of volatile organic compound exchanges in a winter wheat field. <i>Atmospheric Environment</i> , <b>2020</b> , 221, 117105   | 5.3  | 9  |
| 215 | High resolution inventory of atmospheric emissions from livestock production, agriculture, and biomass burning sectors of Argentina. <i>Atmospheric Environment</i> , <b>2020</b> , 223, 117248  | 5.3  | 5  |
| 214 | Twenty-one years of passive sampling monitoring of SO2, NO2 and O3 at the Cape Point GAW station, South Africa. <i>Atmospheric Environment</i> , <b>2020</b> , 222, 117128   | 5.3  | 5  |
| 213 | Characterization of dissolved organic matter derived from atmospheric dry deposition and its DBP formation. <b>2020</b> , 171, 115368  |      | 14 |
| 212 | Relationship between tillage management and DMPSA nitrification inhibitor efficiency. <i>Science of the Total Environment</i> , <b>2020</b> , 718, 134748  | 10.2 | 16 |
| 211 | Temporal Variability of Tropospheric Ozone Pollution in the Agricultural Region of Central-Eastern Poland. <i>Sustainability</i> , <b>2020</b> , 12, 7633  | 3.6  | 1  |
| 210 | Measuring Biosphere-Atmosphere Exchange of Short-Lived Climate Forcers and Their Precursors. <b>2020</b> , 53, 1427-1435   |      | 8  |
| 209 | Improving NO<sub>2</sub> and ozone simulations through global NO<sub><i>x</i></sub> emission inversions. <b>2020</b> ,   |      | 1  |
| 208 | Physiological significance of pedospheric nitric oxide for root growth, development and organismic interactions. <b>2020</b> , 43, 2336-2354   |      | 11 |
| 207 | Long-term variations of major atmospheric compositions observed at the background stations in three key areas of China. <b>2020</b> , 11, 370-380  |      | 2  |
| 206 | A Catalogue of Ecosystem Services in Slovakia. <b>2020</b> ,   |      | Ο  |
| 205 | Surface water formation on the natural surface under supersaturation: from local water balance to air pollutant deposition. <b>2020</b> , 13, 1477-1485  |      | 1  |

| 204 | Atmospheric Methane Emissions for Argentina. Comparison with TROPOMI Satellite Mesurements. <b>2020</b> ,  | 1  |
|-----|--|----|
| 203 | Potential and limitation of air pollution mitigation by vegetation and uncertainties of deposition-based evaluations. <b>2020</b> , 378, 20190320                                    | 22 |
| 202 | A More Important Role for the Ozone-S(IV) Oxidation Pathway Due to Decreasing Acidity in Clouds. <b>2020</b> , 125, e2020JD033220  | 6  |
| 201 | Health risk assessment of construction workers from trace metals in PM from Kolkata, India. <b>2020</b> , 1-16   | 1  |
| 200 | Influence of Dynamic Ozone Dry Deposition on Ozone Pollution. <b>2020</b> , 125, e2020JD032398   | 19 |
| 199 | Sensitivity of Tropospheric Ozone Over the Southeast USA to Dry Deposition. <b>2020</b> , 47, e2020GL087158  | 4  |
| 198 | Influence of the precipitation interval on wet atmospheric deposition. <i>Atmospheric Environment</i> , <b>2020</b> , 237, 117580  | 2  |
| 197 | InnFLUX (an open-source code for conventional and disjunct eddy covariance analysis of trace gas measurements: an urban test case. <b>2020</b> , 13, 1447-1465                       | 5  |
| 196 | Implementation of Yale Interactive terrestrial Biosphere model v1.0 into GEOS-Chem v12.0.0: a tool for biosphere themistry interactions. <b>2020</b> , 13, 1137-1153                 | 7  |
| 195 | Historical and future changes in air pollutants from CMIP6 models. 2020,   | 6  |
| 194 | Long-term measurement of biogenic volatile organic compounds in a rural background area: Contribution to ozone formation. <i>Atmospheric Environment</i> , <b>2020</b> , 224, 117315 | 11 |
| 193 | Ozone Deposition on Free-Running Indoor Materials and the Corresponding Volatile Organic Compound Emissions: Implications for Ventilation Requirements. <b>2020</b> , 10, 4146       | 1  |
| 192 | Attributing ozone and its precursors to land transport emissions in Europe and Germany.  Atmospheric Chemistry and Physics, <b>2020</b> , 20, 7843-7873  6.8                         | 8  |
| 191 | The Global Atmospheric Pollution Forum (GAPF) emission inventory preparation tool and its application to CEe dIvoire. <b>2020</b> , 11, 1500-1512                                    | 1  |
| 190 | The key role of Geobacter in regulating emissions and biogeochemical cycling of soil-derived greenhouse gases. <b>2020</b> , 266, 115135   | 6  |
| 189 | Dry Deposition of Ozone over Land: Processes, Measurement, and Modeling. <i>Reviews of Geophysics</i> , <b>2020</b> , 58, e2019RG000670  | 47 |
| 188 | A framework for reactive transport modeling using FEniCSReaktoro: governing equations and benchmarking results. <b>2020</b> , 24, 1071-1085  | 8  |
| 187 | Mechanisms underlying the mitigation of both N2O and NO emissions with field-aged biochar in an Anthrosol. <b>2020</b> , 364, 114178   | 20 |

## (2021-2020)

| 186 | Effects of atmospheric aerosols on terrestrial carbon fluxes and CO2 concentrations in China. <b>2020</b> , 237, 104859  | 17 |
|-----|--|----|
| 185 | Neural Network Analysis to Evaluate Ozone Damage to Vegetation Under Different Climatic Conditions. <b>2020</b> , 3,   | 4  |
| 184 | Carbon ditrogen interactions in European forests and semi-natural vegetation (Part 1: Fluxes and budgets of carbon, nitrogen and greenhouse gases from ecosystem monitoring and modelling. <i>Biogeosciences</i> , <b>2020</b> , 17, 1583-1620 | 12 |
| 183 | Secondary aerosol formation and its linkage with synoptic conditions during winter haze pollution over eastern China. <i>Science of the Total Environment</i> , <b>2020</b> , 730, 138888  | 14 |
| 182 | Vegetation feedbacks during drought exacerbate ozone air pollution extremes in Europe. <b>2020</b> , 10, 444-451   | 40 |
| 181 | The climate penalty of plants. <b>2020</b> , 10, 387-388   |    |
| 180 | Effect of phosphorus amendments on rice rhizospheric methanogens and methanotrophs in a phosphorus deficient soil. <b>2020</b> , 368, 114312   | 6  |
| 179 | Photochemistry of single optically trapped oleic acid droplets. <b>2021</b> , 151, 105660  | 6  |
| 178 | Narrow stack emissions: Errors in flow rate measurement due to disturbances and swirl. <b>2021</b> , 71, 46-59   |    |
| 177 | Pan-European rural monitoring network shows dominance of NH<sub>3</sub> gas and NH<sub>4</sub>NO<sub>3</sub> aerosol in inorganic atmospheric pollution 6.8 load. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 875-914         | 7  |
| 176 | Impact of tropospheric ozone pollution on wheat production in Southeast Asia: an update. <b>2021</b> , 235-266   | 0  |
| 175 | Contributions of World Regions to the Global Tropospheric Ozone Burden Change From 1980 to 2010. <b>2021</b> , 48,   | 5  |
| 174 | A climate-dependent global model of ammonia emissions from chicken farming. <i>Biogeosciences</i> , <b>2021</b> , 18, 135-158  | 2  |
| 173 | Change: Risks and Predictability. <b>2021</b> , 181-193  |    |
| 172 | The Effect of Biochar and Nitrogen Inhibitor on Ammonia and Nitrous Oxide Emissions and Wheat Productivity. 1  | 5  |
| 171 | Green infrastructure for air quality improvement in street canyons. <b>2021</b> , 146, 106288  | 40 |
| 170 | Greenhouse Gas Emissions and Global Warming Potential from a Woody Ornamental Production System Using a Soilless Growing Substrate. <b>2021</b> , 1, 35-43   | 1  |
| 169 | Gas flux from a fir bark substrate at an ornamental production nursery. <b>2021</b> , 537-544  |    |

| 168 | An evaluation of the performance of a green panel in improving air quality, the case study in a street canyon in Modena, Italy. <i>Atmospheric Environment</i> , <b>2021</b> , 247, 118189             | 5.3  | 5  |
|-----|--|------|----|
| 167 | Tropospheric ozone in CMIP6 simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 4187-4218  | 6.8  | 27 |
| 166 | Meteorology-driven variability of air pollution (PM<sub>1</sub>) revealed with explainable machine learning. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 3919-3948                    | 6.8  | 11 |
| 165 | Decoupling of urban CO<sub>2</sub> and air pollutant emission reductions during the European SARS-CoV-2 lockdown. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 3091-3102               | 6.8  | 11 |
| 164 | Effects of the nitrification inhibitor nitrapyrin and tillage practices on yield-scaled nitrous oxide emission from a maize field in Iran. <b>2021</b> , 31, 314-322                                   |      | 7  |
| 163 | Probing Matrix Effects on the Heterogeneous Photochemistry of Neonicotinoid Pesticides, Dinotefuran and Nitenpyram. <b>2021</b> , 5, 1196-1209   |      | O  |
| 162 | Dry Deposition of Atmospheric Aerosols: Approaches, Observations, and Mechanisms. <b>2021</b> , 72, 375-39   | 7    | 8  |
| 161 | A New Model of Solar Illumination of Earth Atmosphere during Night-Time. 2021, 2, 191-207  |      |    |
| 160 | Air Quality in Africa: Public Health Implications. <b>2021</b> , 42, 193-210   |      | 16 |
| 159 | Measurement and modelling of the dynamics of NH<sub>3</sub> surfaceEtmosphere exchange over the Amazonian rainforest. <i>Biogeosciences</i> , <b>2021</b> , 18, 2809-2825                              | 4.6  | 1  |
| 158 | Nature-based solutions as tools for air phytoremediation: A review of the current knowledge and gaps. <b>2021</b> , 277, 116817  |      | 4  |
| 157 | Long-range transport of ozone across the eastern China seas: A case study in coastal cities in southeastern China. <i>Science of the Total Environment</i> , <b>2021</b> , 768, 144520                 | 10.2 | 9  |
| 156 | Biosphere-Atmosphere Interactions. 2021,   |      |    |
| 155 | New methodology shows short atmospheric lifetimes of oxidized sulfur and nitrogen due to dry deposition. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8377-8392                        | 6.8  | 1  |
| 154 | Characteristics and Source Apportionment of the Vertical Distribution of Ozone at a Site of the Pearl River Delta Region of China. <b>2021</b> , 8, e2020EA001578                                      |      | 0  |
| 153 | Seasonal Characteristics of Biogenic Secondary Organic Aerosols Over Chichijima Island in the Western North Pacific: Impact of Biomass Burning Activity in East Asia. <b>2021</b> , 126, e2020JD032987 |      | 4  |
| 152 | 2005\( \textstyle{1}\)018 trends in ozone peak concentrations and spatial contributions in the Guadalquivir Valley, southern Spain. <i>Atmospheric Environment</i> , <b>2021</b> , 254, 118385         | 5.3  | 5  |
| 151 | Role of Heat Wave-Induced Biogenic VOC Enhancements in Persistent Ozone Episodes Formation in Pearl River Delta. <b>2021</b> , 126, e2020JD034317  |      | 3  |

| 150 | Impacts of Ozone-Vegetation Interactions on Ozone Pollution Episodes in North China and the Yangtze River Delta. <b>2021</b> , 48, e2021GL093814   | 1  |
|-----|--|----|
| 149 | Remediation of atmospheric sulfur and ammonia by wetland plants: development of a study method <i>International Journal of Phytoremediation</i> , <b>2022</b> , 24, 373-383  |    |
| 148 | A study on movement characteristics and distribution law of dust particles in open-pit coal mine. <b>2021</b> , 11, 14703  | 0  |
| 147 | Characteristics of ambient ammonia and its effects on particulate ammonium in winter of urban Beijing, China. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 62828-62838  | 2  |
| 146 | Biochar and urease inhibitor mitigate NH and NO emissions and improve wheat yield in a urea fertilized alkaline soil. <b>2021</b> , 11, 17413  | 17 |
| 145 | Wet Deposition of Mercury and Dissolved Organic Carbon during Pre-Monsoon and Monsoon Periods at Sitapuri Site in Delhi (India). <b>2021</b> , 16, 530-539   |    |
| 144 | Influence of variable biochar concentration on yield-scaled nitrous oxide emissions, Wheat yield and nitrogen use efficiency. <b>2021</b> , 11, 16774  | 14 |
| 143 | Opinion: Papers that shaped tropospheric chemistry. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 1290%1829   | 4& |
| 142 | UK Ammonia Emissions Estimated With Satellite Observations and GEOS-Chem. <b>2021</b> , 126, e2021JD035237   | 2  |
| 141 | New evidence for the importance of non-stomatal pathways in ozone deposition during extreme heat and dry anomalies.  |    |
| 140 | Eddy covariance measurements of ozone flux above and below a southern subtropical forest canopy. <i>Science of the Total Environment</i> , <b>2021</b> , 791, 148338   | 1  |
| 139 | Performance evaluation of photographic measurement in the machine-learning prediction of ground PM2.5 concentration. <i>Atmospheric Environment</i> , <b>2021</b> , 262, 118623  | O  |
| 138 | Identification and characterization the sources of aerosols over Jharkhand state and surrounding areas, India using AHP model. <b>2021</b> , 12, 2194-2224   | 2  |
| 137 | Composition and supply of inorganic and organic nitrogen species in dry and wet atmospheric deposition: Use of organic nitrogen composition to calculate the Ocean's external nitrogen flux from the atmosphere. <b>2021</b> , 213, 104316 | 6  |
| 136 | Nitrogen Transformations in Soils, Agricultural Plants and the Atmosphere. <b>2015</b> , 1-44  | 2  |
| 135 | Quantifying Greenhouse Gas Emissions from Managed and Natural Soils. <b>2016</b> , 71-96   | 12 |
| 134 | Global Modelling of Volatile Organic Compound Emissions. 2013, 451-487   | 11 |
| 133 | Advances in Understanding, Models and Parameterizations of Biosphere-Atmosphere Ammonia Exchange. <b>2013</b> , 11-84  | 5  |

| 132 | Surface/Atmosphere Exchange of Atmospheric Acids and Aerosols, Including the Effect and Model Treatment of Chemical Interactions. <b>2015</b> , 115-149                                     |              | 3               |
|-----|---|--------------|-----------------|
| 131 | Dust Deposition. <b>2014</b> , 179-200  |              | 14              |
| 130 | Secondary Criteria Air Pollutants: Environmental Health Effects. <b>2019</b> , 83-126   |              | 5               |
| 129 | A2CI. <b>2016</b> , 137-161   |              | 7               |
| 128 | Study of the aerosol optical characteristics over the Romanian Black Sea Coast using AERONET data. <b>2020</b> , 11, 1165-1178  |              | 6               |
| 127 | Global and regional trends of atmospheric sulfur. <b>2019</b> , 9, 953  |              | 89              |
| 126 | Chapter 3:Soil Natural Capital and Ecosystem Service Delivery in a World of Global Soil Change. <b>2012</b> , 41-68   |              | 9               |
| 125 | Stomatal conductance influences interannual variability and long-term changes in regional cumulative plant uptake of ozone. <b>2020</b> , 15, 114059  |              | 3               |
| 124 | Tropospheric Ozone Assessment Report. <b>2020</b> , 8,  |              | 18              |
| 123 | Tropospheric Ozone Assessment Report: Assessment of global-scale model performance for global and regional ozone distributions, variability, and trends. <b>2018</b> , 6,                   |              | 121             |
| 122 | Tropospheric Ozone Assessment Report: Present-day ozone distribution and trends relevant to human health. <b>2018</b> , 6,  |              | 92              |
| 121 | Impacts of global NO<sub><i>x</i></sub> inversions on NO<sub>2</sub> and ozone simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13109-                             | 6.8<br>13130 | o <sup>14</sup> |
| 120 | Historical and future changes in air pollutants from CMIP6 models. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14547-14579   | 6.8          | 38              |
| 119 | Role of ammonia in European air quality with changing land and ship emissions between 1990 and 2030. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 15665-15680               | 6.8          | 5               |
| 118 | Modeling atmospheric ammonia using agricultural emissions with improved spatial variability and temporal dynamics. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 16055-16087 | 6.8          | 4               |
| 117 | Solid state and sub-cooled liquid vapour pressures of cyclic aliphatic dicarboxylic acids.  |              | 2               |
| 116 | Dry deposition of reactive nitrogen to European ecosystems: a comparison of inferential models across the NitroEurope network.  |              | 5               |
| 115 | Forest-atmosphere exchange of ozone: sensitivity to very reactive biogenic VOC emissions and implications for in-canopy photochemistry.   |              | 2               |

| 114                      | General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) Integrating aerosol research from nano to global scales.  | 11               |
|--------------------------|---|------------------|
| 113                      | Have primary emission reduction measures reduced ozone across Europe? An analysis of European rural background ozone trends 19962005.   | 2                |
| 112                      | Contrasting winter and summer VOC mixing ratios at a forest site in the Western Mediterranean Basin: the effect of local biogenic emissions.  | 5                |
| 111                      | Atmospheric chemistry of carboxylic acids: microbial implication versus photochemistry.   | 1                |
| 110                      | Introduction to the European Monitoring and Evaluation Programme (EMEP) and observed atmospheric composition change during 19722009.  | 6                |
| 109                      | Tropospheric ozone changes, radiative forcing and attribution to emissions in the Atmospheric Chemistry and Climate Model Inter-comparison Project (ACCMIP).  | 8                |
| 108                      | Scorched earth: how will changes in ozone deposition caused by drought affect human health and ecosystems?.   | 3                |
| 107                      | A one-year comprehensive chemical characterisation of fine aerosol (PM <sub>2.5</sub> ) at urban, suburban and rural background sites in the region of Paris (France).  | 2                |
| 106                      | Volatile organic compounds in the Western Mediterranean Basin: urban and rural winter measurements during the DAURE campaign.   | 2                |
|                          |   |                  |
| 105                      | The EMEP MSC-W chemical transport model IPart 1: Model description.   | 19               |
| 105                      | The EMEP MSC-W chemical transport model (Part 1: Model description.  Dry deposition of nitrogen compounds (NO <sub>2</sub> , HNO <sub>3</sub> , NH <sub>3</sub> ), sulfur dioxide and ozone in West and Central African ecosystems using the inferential method.  | 19               |
|                          | Dry deposition of nitrogen compounds (NO <sub>2</sub> , HNO <sub>3</sub> , NH <sub>3</sub> ), sulfur dioxide and ozone in West and Central African ecosystems   | , i              |
| 104                      | Dry deposition of nitrogen compounds (NO <sub>2</sub> , HNO <sub>3</sub> , NH <sub>3</sub> ), sulfur dioxide and ozone in West and Central African ecosystems using the inferential method.  Undisturbed and disturbed above canopy ponderosa pine emissions: PTR-TOF-MS measurements   | 3                |
| 104                      | Dry deposition of nitrogen compounds (NO <sub>2</sub> , HNO <sub>3</sub> , NH <sub>3</sub> ), sulfur dioxide and ozone in West and Central African ecosystems using the inferential method.  Undisturbed and disturbed above canopy ponderosa pine emissions: PTR-TOF-MS measurements and MEGAN 2.1 model results.  Classification of clouds sampled at the puy de Dfine (France) from 10 yr monitoring: mean features  | 3 5              |
| 104                      | Dry deposition of nitrogen compounds (NO <sub>2</sub> , HNO <sub>3</sub> , NH <sub>3</sub> ), sulfur dioxide and ozone in West and Central African ecosystems using the inferential method.  Undisturbed and disturbed above canopy ponderosa pine emissions: PTR-TOF-MS measurements and MEGAN 2.1 model results.  Classification of clouds sampled at the puy de Dfine (France) from 10 yr monitoring: mean features of their physico-chemical properties.  The changing oxidizing environment in London (trends in ozone precursors and their contribution)  | 3<br>5<br>6      |
| 104<br>103<br>102        | Dry deposition of nitrogen compounds (NO <sub>2</sub> , HNO <sub>3</sub> , NH <sub>3</sub> ), sulfur dioxide and ozone in West and Central African ecosystems using the inferential method.  Undisturbed and disturbed above canopy ponderosa pine emissions: PTR-TOF-MS measurements and MEGAN 2.1 model results.  Classification of clouds sampled at the puy de Dfhe (France) from 10 yr monitoring: mean features of their physico-chemical properties.  The changing oxidizing environment in London trends in ozone precursors and their contribution to ozone production.  Tropospheric ozone and its precursors from the urban to the global scale from air quality to                              | 3<br>5<br>6      |
| 104<br>103<br>102<br>101 | Dry deposition of nitrogen compounds (NO <sub>2</sub> , HNO <sub>3</sub> , NH <sub>3</sub> ), sulfur dioxide and ozone in West and Central African ecosystems using the inferential method.  Undisturbed and disturbed above canopy ponderosa pine emissions: PTR-TOF-MS measurements and MEGAN 2.1 model results.  Classification of clouds sampled at the puy de Dihe (France) from 10 yr monitoring: mean features of their physico-chemical properties.  The changing oxidizing environment in London Itrends in ozone precursors and their contribution to ozone production.  Tropospheric ozone and its precursors from the urban to the global scale from air quality to short-lived climate forcer. | 3<br>5<br>6<br>2 |

| 96 | Dry deposition of NaCl aerosols: theory and method for a modified leaf-washing technique.  |     | 1 |
|----|--|-----|---|
| 95 | Measurements of nitrogen oxides and ozone fluxes by eddy covariance at a meadow: evidence for an internal leaf resistance to NO <sub>2</sub> .   |     | 2 |
| 94 | Advances in understanding, models and parameterisations of biosphere-atmosphere ammonia exchange.  |     | 5 |
| 93 | Modelling the effect of soil moisture and organic matter degradation on biogenic NO emissions from soils in Sahel rangeland (Mali).  |     | 1 |
| 92 | The emission factor of volatile isoprenoids: stress, acclimation, and developmental responses.   |     | 3 |
| 91 | Laboratory measurements of nitric oxide release from forest soil with a thick organic layer under different understory types.  |     | 1 |
| 90 | Investigating the stomatal, cuticular and soil ammonia fluxes over a growing tritical crop under high acidic loads.  |     | 1 |
| 89 | Towards the use of dynamic growing seasons in a chemical transport model.  |     | 1 |
| 88 | Governing processes for reactive nitrogen compounds in the atmosphere in relation to ecosystem, climatic and human health impacts.   |     | 2 |
| 87 | Interactions between leaf nitrogen status and longevity in relation to N cycling in three contrasting European forest canopies.  |     | 1 |
| 86 | Impacts of future agricultural change on ecosystem service indicators. <b>2020</b> , 11, 357-376   |     | 4 |
| 85 | Quantifying the carbon uptake by vegetation for Europe on a 1 km <sup>2</sup> resolution using a remote sensing driven vegetation model.   |     | 1 |
| 84 | A 10 yr record of black carbon and dust from Mera Peak ice core (Nepal): variability and potential impact on Himalayan glacier melting.  |     | 4 |
| 83 | Ecophysiological Responses of Northern Birch Forests to the Changing Atmospheric CO2 and O3 Concentrations. <i>Asian Journal of Atmospheric Environment</i> , <b>2012</b> , 6, 192-205 | 1.3 | 6 |
| 82 | Optimizing alfalfa productivity and persistence versus greenhouse gases fluxes in a continental arid region. <b>2020</b> , 8, e8738  |     | 6 |
| 81 | Evaluating the Impacts of Ground-Level O3 on Crops in China. 1   |     | 1 |
| 80 | Exchange of reactive nitrogen compounds: concentrations and fluxes of total ammonium and total nitrate above a spruce forest canopy.   |     |   |
| 79 | Impact of Manaus City on the Amazon Green Ocean atmosphere: ozone production, precursor sensitivity and aerosol load.  |     | 1 |

# (2020-)

| 78 | The Chemistry of Atmosphere-Forest Exchange (CAFE) Model [Part 1: Model description and characterization.  |     |   |
|----|--|-----|---|
| 77 | The Chemistry of Atmosphere-Forest Exchange (CAFE) Model [Part 2: Application to BEARPEX-2007 observations.  |     |   |
| 76 | Predicting and partitioning ozone fluxes to maize crops from sowing to harvest: the Surfatm-O <sub>3</sub> model.  |     |   |
| 75 | Abiotic and biotic control of methanol exchanges in a temperate mixed forest.  |     |   |
| 74 | Effect of chemical degradation on fluxes of reactive compounds.  |     |   |
| 73 | Quantifying the uncertainty in simulating global tropospheric composition due to the variability in global emission estimates of Biogenic Volatile Organic Compounds.              |     |   |
| 72 | Observations of reactive nitrogen oxide fluxes by eddy covariance above two mid-latitude North American mixed hardwood forests.  |     |   |
| 71 | Development of a parameterization scheme for calculating dry deposition velocity of fine, coarse and giant particles.  |     |   |
| 7º | Methane and nitrous oxide exchange over a managed hay meadow.  |     |   |
| 69 | An evaluation of ozone dry deposition in global scale chemistry climate models.  |     | 2 |
| 68 | Aerosol and Acid Gases. <b>2015</b> , 181-187  |     |   |
| 67 | Introduction. <b>2015</b> , 1-5  |     |   |
| 66 | Modelling the effect of soil moisture and organic matter degradation on biogenic NO emissions from soils in Sahel rangeland (Mali).  |     | О |
| 65 | The import and export of organic nitrogen species at a Scottish ombrotrophic peatland.   |     |   |
| 64 | Cloud water composition during HCCT-2010: Scavenging efficiencies, solute concentrations, and droplet size dependence of inorganic ions and dissolved organic carbon.              |     |   |
| 63 | Ozone Concentrations in Troposphere: Historical and Current Perspectives. <b>2018</b> , 1-29   |     | 1 |
| 62 | Wp 🛮 🖟 w zmian klimatu na efektywno 🗈 wykorzystywania azotu oraz jego straty. <i>Zeszyty Naukowe SGGW W Warszawie - Problemy Rolnictwa Wiatowego</i> , <b>2019</b> , 19(34), 37-46 | 0.6 | О |
| 61 | Regulating Ecosystem Services: Enhancements Through Sustainable Management. <i>Encyclopedia of the UN Sustainable Development Goals</i> , <b>2020</b> , 1-13                       | 0.1 |   |

60 Regulatory Ecosystem Services and Supporting Ecosystem Functions. **2020**, 91-184

| 59 | Rainwater chemistry in a subtropical high-altitude mountain site, South China: Seasonality, source apportionment and potential factors. <i>Atmospheric Environment</i> , <b>2022</b> , 268, 118786  | 5.3            | O |
|----|---|----------------|---|
| 58 | Modelling Exchanges: From the Process Scale to the Regional Scale. <b>2020</b> , 159-207  |                | 1 |
| 57 | Ecology and the Biodeterioration Environment. <b>2020</b> , 43-97   |                |   |
| 56 | Measurement report: Statistical modelling of long-term trends of atmospheric inorganic gaseous species within proximity of the pollution hotspot in South Africa. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 10637-10665              | 6.8            | 2 |
| 55 | Life on Land. Encyclopedia of the UN Sustainable Development Goals, 2021, 817-829   | 0.1            |   |
| 54 | L. as possible indicator of air metallic pollution in urban environment. <i>International Journal of Phytoremediation</i> , <b>2021</b> , 1-10  | 3.9            |   |
| 53 | Increases in nitrogen use efficiency decrease nitrous oxide emissions but can penalize yield in sugarcane. <i>Nutrient Cycling in Agroecosystems</i> , 1  | 3.3            | O |
| 52 | Tracer-based characterization of source variations of ambient isoprene mixing ratios in a hillocky megacity, India, influenced by the local meteorology. <i>Environmental Research</i> , <b>2021</b> , 205, 112465                                      | 7.9            | O |
| 51 | Immission and Dry Deposition. Springer Handbooks, 2021, 1459-1483   | 1.3            | О |
| 50 | Realistic forests and the modeling of forestEtmosphere exchange. <i>Reviews of Geophysics</i> , e2021RG000  | 7 <b>46</b> .1 | 3 |
| 49 | Fluxes of HS and SO above a subtropical forest under natural and disturbed conditions induced by temporal land-use change <i>Science of the Total Environment</i> , <b>2021</b> , 811, 152084   | 10.2           | 2 |
| 48 | Characterizing the distinct modulation of future emissions on summer ozone concentrations between urban and rural areas over China <i>Science of the Total Environment</i> , <b>2022</b> , 820, 153324  | 10.2           | 3 |
| 47 | Variation in Coarse Particulate Matter (PM10) and Its Characterization at Multiple Locations in the Semiarid Region. <i>Frontiers in Environmental Science</i> , <b>2022</b> , 10,  | 4.8            | Ο |
| 46 | Isoprene in urban Atlantic forests: Variability, origin, and implications on the air quality of a subtropical megacity <i>Science of the Total Environment</i> , <b>2022</b> , 153728   | 10.2           | О |
| 45 | Exploring the relationships between ground-measured particulate matter and satellite-retrieved aerosol parameters in China <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1  | 5.1            | Ο |
| 44 | Atmospheric oxidation capacity and ozone pollution mechanism in a coastal city of southeastern China: analysis of a typical photochemical episode by an observation-based model. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 2173-2190 | 6.8            | 2 |
| 43 | Characterization of PM2.5 Mass in Relation to PM1.0 and PM10 in Megacity Seoul. <i>Asian Journal of Atmospheric Environment</i> , <b>2022</b> , 16, 85-99   | 1.3            |   |

#### (2022-2022)

| 42 | Influence of plant ecophysiology on ozone dry deposition: comparing between multiplicative and photosynthesis-based dry deposition schemes and their responses to rising CO&lt;sub&gt;2&lt;/sub&gt; level. <i>Biogeosciences</i> , <b>2022</b> , 19, 1753-1776                          | 4.6  | 0 |
|----|---|------|---|
| 41 | Large-eddy-simulation study on turbulent particle deposition and its dependence on atmospheric-boundary-layer stability. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 4509-4522   | 6.8  | O |
| 40 | Management zone-based estimation of positive and negative nitrous oxide flux in organic corn fields. <i>Soil Science Society of America Journal</i> ,   | 2.5  | О |
| 39 | Distinct enhanced efficiency urea fertilizers differentially influence ammonia volatilization losses and maize yield. <i>Plant and Soil</i> , 1   | 4.2  | 1 |
| 38 | Evaluation of SO <sub>2</sub> , SO <sub>4</sub> <sup>2</sup> and an updated SO <sub>2</sub> dry deposition parameterization in the  | 6.8  | 2 |
| 37 | United Kingdom Earth System Model. Atmospheric Chemistry and Physics, 2021, 21, 18465-18497 Ozone deposition impact assessments for forest canopies require accurate ozone flux partitioning on diurnal timescales. Atmospheric Chemistry and Physics, 2021, 21, 18393-18411            | 6.8  | 2 |
| 36 | Table_1.DOC. <b>2019</b> ,  |      |   |
| 35 | Data_Sheet_1.docx. <b>2020</b> ,  |      |   |
| 34 | Contrasting 2008-2019 Trends in Tropospheric Ozone in Spain. SSRN Electronic Journal,   | 1    | О |
| 33 | Contribution of local and surrounding area anthropogenic emissions to a high ozone episode in Zhengzhou, China <i>Environmental Research</i> , <b>2022</b> , 113440   | 7.9  | 1 |
| 32 | Particulate matter and polycyclic aromatic hydrocarbon uptake in relation to leaf surface functional traits in Mediterranean evergreens: Potentials for air phytoremediation <i>Journal of Hazardous Materials</i> , <b>2022</b> , 435, 129029  | 12.8 | 0 |
| 31 | Regulation of Plant Growth by Microbe-Assisted Nitric Oxide Production. <b>2022</b> , 95-117  |      | O |
| 30 | Increasing the Accuracy of Atmospheric Ammonia Concentrations Calculated from Open-Path Fourier Transform Infrared Spectra Using Partial Least Squares Model by Scanning and Removing Interference Spectral Data. <i>Chinese Journal of Analytical Chemistry</i> , <b>2022</b> , 100133 | 1.6  |   |
| 29 | A database of modeled gridded dry deposition velocities for 45 gaseous species and three particle size ranges across North America. <i>Journal of Environmental Sciences</i> , <b>2022</b> ,  | 6.4  | Ο |
| 28 | Disentangling effects of natural and anthropogenic drivers on forest net ecosystem production. <i>Science of the Total Environment</i> , <b>2022</b> , 839, 156326  | 10.2 | О |
| 27 | Review of methods for assessing deposition of reactive nitrogen pollutants across complex terrain with focus on the UK. <i>Environmental Science Atmospheres</i> ,  |      | O |
| 26 | Spatiotemporal Dynamics of Surface Ozone and Its Relationship with Meteorological Factors over the Beijing Tianjin Tangshan Region, China, from 2016 to 2019. <i>Sensors</i> , <b>2022</b> , 22, 4854   | 3.8  | О |
| 25 | Relationships between Springtime PM2.5, PM10, and O3 Pollution and the Boundary Layer Structure in Beijing, China. <i>Sustainability</i> , <b>2022</b> , 14, 9041   | 3.6  | О |

| 24 | Use of Mulches in Various Tillage Conditions Reduces the Greenhouse Gas Emission∃n Overview.  | 1 |
|----|---|---|
| 23 | The Future Climate and Air Quality Response From Different Near-Term Climate Forcer, Climate, and Land-Use Scenarios Using UKESM1. <b>2022</b> , 10,                              | O |
| 22 | Assessment and intercomparison of ozone dry deposition schemes over two ecosystems based on Noah-MP in China. <b>2022</b> , 290, 119353   | 1 |
| 21 | Interannual variability of ozone fluxes in a broadleaf deciduous forest in Italy. 2022, 10,   | O |
| 20 | Impact of Air Pollution on Terrestrial Ecosystems. <b>2022</b> , 511-542  | 1 |
| 19 | Emissions from the Mediterranean Vegetation. <b>2022</b> , 25-49  | 1 |
| 18 | Nitrous oxide emissions from northern barley croplands after injections of liquid manure and nitrification inhibitors.  | 0 |
| 17 | The Combined Impact of Canopy Stability and Soil NO x Exchange on Ozone Removal in a Temperate Deciduous Forest. <b>2022</b> , 127,   | O |
| 16 | Large Eddy Simulation for Investigating Coupled Forest Canopy and Turbulence Influences on Atmospheric Chemistry. <b>2022</b> , 14,   | 1 |
| 15 | Mutual information analysis between NO2 and O3 pollutants measured in Mexico City before and during 2020 Covid-19 pandemic year. <b>2022</b> , 2307, 012053                       | O |
| 14 | Carbon Footprint Management by Agricultural Practices. <b>2022</b> , 11, 1453   | 4 |
| 13 | Biological nitrification inhibitor-trait enhances nitrogen uptake by suppressing nitrifier activity and improves ammonium assimilation in two elite wheat varieties. 13,          | O |
| 12 | Dry Deposition Methods Based on Turbulence Kinetic Energy: Part 2. Extension to Particle Deposition Using a Single-Point Model.   | 0 |
| 11 | Enhancement of Arctic surface ozone during the 2020\(\mathbb{Q}\)021 winter associated with the sudden stratospheric warming. <b>2023</b> , 18, 024003                            | O |
| 10 | Impacts of Air Pollutants on Crops, Trees and Ecosystems. <b>2013</b> , 268-296   | 0 |
| 9  | UAV-based sampling systems to analyse greenhouse gases and volatile organic compounds encompassing compound-specific stable isotope analysis. <b>2023</b> , 16, 513-527           | O |
| 8  | Functions of macronutrients. <b>2023</b> , 201-281  | O |
| 7  | Improving spatial and temporal variation of ammonia emissions for the Netherlands using livestock housing information and a Sentinel-2-derived crop map. <b>2023</b> , 17, 100207 | O |

#### CITATION REPORT

| 6 | Evaluations on numerical simulations of ozone dry deposition over the Yangtze River Delta1. <b>2023</b> , 304, 119760  | O |
|---|--|---|
| 5 | The effects of coastal local circulations and their interactions on ozone pollution in the Hangzhou metropolitan area. <b>2023</b> , 48, 101417                              | O |
| 4 | Calibration to maximize temporal radiometric repeatability of airborne hyperspectral imaging data.   | O |
| 3 | Seasonal and Diurnal Variability of Monoterpenes in the Eastern Mediterranean Atmosphere. <b>2023</b> , 14, 392  | O |
| 2 | The magnetic signal from trunk bark of urban trees catches the variation in particulate matter exposure within and across six European cities. <b>2023</b> , 30, 50883-50895 | О |
|   |  |   |