

Sotiria Koloutsou-Vakakis

List of Publications by Year in descending order

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docs citations

24
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636
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Quantification and Comparison of Risks Associated with Wastewater Use in Spray Irrigation. Risk Analysis, 2021, 41, 745-760. | 2.7 | 4 |
| 2 | Influence of rye cover cropping on denitrification potential and year-round field N ₂ O emissions. Science of the Total Environment, 2021, 765, 144295. | 8.0 | 15 |
| 3 | Effect of grid resolution and spatial representation of NH ₃ emissions from fertilizer application on predictions of NH ₃ and PM _{2.5} concentrations in the United States Corn Belt. Environmental Research Communications, 2020, 2, 025001. | 2.3 | 6 |
| 4 | Prediction of N ₂ O emissions under different field management practices and climate conditions. Science of the Total Environment, 2019, 646, 872-879. | 8.0 | 40 |
| 5 | 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-NH ₃ model. Agricultural and Forest Meteorology, 2019, 269-270, 78-87. | 4.8 | 8 |
| 6 | Ammonia flux measurements above a corn canopy using relaxed eddy accumulation and a flux gradient system. Agricultural and Forest Meteorology, 2019, 264, 104-113. | 4.8 | 12 |
| 7 | Daytime atmospheric plume opacity measurement using a camcorder. Environmental Technology and Innovation, 2018, 12, 43-54. | 6.1 | 1 |
| 8 | Evaluation of DeNitrification DeComposition model for estimating ammonia fluxes from chemical fertilizer application. Agricultural and Forest Meteorology, 2017, 237-238, 123-134. | 4.8 | 21 |
| 9 | Season-long ammonia flux measurements above fertilized corn in central Illinois, USA, using relaxed eddy accumulation. Agricultural and Forest Meteorology, 2017, 239, 202-212. | 4.8 | 21 |
| 10 | Projections of NH ₃ emissions from manure generated by livestock production in China to 2030 under six mitigation scenarios. Science of the Total Environment, 2017, 607-608, 78-86. | 8.0 | 22 |
| 11 | Lidar equation inversion methods and uncertainties in measuring fugitive particulate matter emission factors. Applied Optics, 2017, 56, 7691. | 1.8 | 4 |
| 12 | Performance and Uncertainty in Measuring Atmospheric Plume Opacity Using Compact and Smartphone Digital Still Cameras. Aerosol and Air Quality Research, 2017, 17, 1281-1293. | 2.1 | 2 |
| 13 | Reconsidering emissions of ammonia from chemical fertilizer usage in Midwest USA. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6232-6246. | 3.3 | 21 |
| 14 | Fugitive Particulate Matter Emissions to the Atmosphere from Tracked and Wheeled Vehicles in a Desert Region by Hybrid-Optical Remote Sensing. Aerosol and Air Quality Research, 2015, 15, 1613-1626. | 2.1 | 2 |
| 15 | Open burning and open detonation PM ₁₀ mass emission factor measurements with optical remote sensing. Journal of the Air and Waste Management Association, 2014, 64, 227-234. | 1.9 | 3 |
| 16 | Multilateral Environmental Agreements for Wastes and Chemicals: 40 Years of Global Negotiations. Environmental Science & Technology, 2011, 45, 10-15. | 10.0 | 9 |
| 17 | Aerosol properties at a midlatitude northern hemisphere continental site. Journal of Geophysical Research, 2001, 106, 3019-3032. | 3.3 | 58 |
| 18 | Middle and lower troposphere aerosol characteristics and ozone concentrations over northwestern Greece during STAAARTE 1997. Atmospheric Environment, 2001, 35, 1517-1526. | 4.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Characterisation of aerosol properties and radiative forcing at an anthropogenically perturbed continental site. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 1999, 24, 541-546. | 0.2 | 1 |
| 20 | NaCl Aerosol Particle Hygroscopicity Dependence on Mixing with Organic Compounds. <i>Journal of Atmospheric Chemistry</i> , 1998, 31, 321-346. | 3.2 | 111 |
| 21 | Modeling of aerosol properties related to direct climate forcing. <i>Journal of Geophysical Research</i> , 1998, 103, 17009-17032. | 3.3 | 20 |
| 22 | The (NH ₄) ₂ SO ₄ -Na ₂ SO ₄ -H ₂ O system: comparison of deliquescence humidities measured in the field and estimated from laboratory measurements and thermodynamic modeling. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1994, 46, 1-15. | 1.6 | 7 |
| 23 | The (NH ₄) ₂ SO ₄ -Na ₂ SO ₄ -H ₂ O system: comparison of deliquescence humidities measured in the field and estimated from laboratory measurements and thermodynamic modeling. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1994, 46, 1-15. | 1.6 | 12 |
| 24 | Preliminary Results from Implementing a Data-driven Team Project in an Introductory Risk and Uncertainty Analysis Class for Sophomore Civil and Environmental Engineering Students. , 0, , . | | 0 |