

Sotiria Koloutsou-Vakakis

List of Publications by Year in descending order

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papers

404
citations

840776

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24
all docs

24
docs citations

24
times ranked

636
citing authors

#	ARTICLE	IF	CITATIONS
1	NaCl Aerosol Particle Hygroscopicity Dependence on Mixing with Organic Compounds. Journal of Atmospheric Chemistry, 1998, 31, 321-346.	3.2	111
2	Aerosol properties at a midlatitude northern hemisphere continental site. Journal of Geophysical Research, 2001, 106, 3019-3032.	3.3	58
3	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
4	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
5	Reconsidering emissions of ammonia from chemical fertilizer usage in Midwest USA. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6232-6246.	3.3	21
6	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
7	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
8	Modeling of aerosol properties related to direct climate forcing. Journal of Geophysical Research, 1998, 103, 17009-17032.	3.3	20
9	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
10	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. Tellus, Series B: Chemical and Physical Meteorology, 1994, 46, 1-15.	1.6	12
11	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
12	Multilateral Environmental Agreements for Wastes and Chemicals: 40 Years of Global Negotiations. Environmental Science & Technology, 2011, 45, 10-15.	10.0	9
13	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
14	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. Tellus, Series B: Chemical and Physical Meteorology, 1994, 46, 1-15.	1.6	7
15	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
16	Middle and lower troposphere aerosol characteristics and ozone concentrations over northwestern Greece during STAAARTE 1997. Atmospheric Environment, 2001, 35, 1517-1526.	4.1	4
17	Lidar equation inversion methods and uncertainties in measuring fugitive particulate matter emission factors. Applied Optics, 2017, 56, 7691.	1.8	4
18	Quantification and Comparison of Risks Associated with Wastewater Use in Spray Irrigation. Risk Analysis, 2021, 41, 745-760.	2.7	4

#	ARTICLE	IF	CITATIONS
19	Open burning and open detonation PM10 mass emission factor measurements with optical remote sensing. Journal of the Air and Waste Management Association, 2014, 64, 227-234.	1.9	3
20	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
21	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
22	Characterisation of aerosol properties and radiative forcing at an anthropogenically perturbed continental site. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 1999, 24, 541-546.	0.2	1
23	Daytime atmospheric plume opacity measurement using a camcorder. Environmental Technology and Innovation, 2018, 12, 43-54.	6.1	1
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