

Stelios Myriokefalitakis

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,035
citations

257357

24
h-index

345118

36
g-index

81
all docs

81
docs citations

81
times ranked

4340
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10529-10566.	1.9	365
2	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10845-10895.	1.9	363
3	Simultaneous global observations of glyoxal and formaldehyde from space. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	265
4	Past, Present, and Future Atmospheric Nitrogen Deposition. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 2039-2047.	0.6	222
5	In-cloud oxalate formation in the global troposphere: a 3-D modeling study. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5761-5782.	1.9	218
6	Global scale emission and distribution of sea-spray aerosol: Sea-salt and organic enrichment. <i>Atmospheric Environment</i> , 2010, 44, 670-677.	1.9	196
7	The influence of natural and anthropogenic secondary sources on the glyoxal global distribution. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4965-4981.	1.9	174
8	Current model capabilities for simulating black carbon and sulfate concentrations in the Arctic atmosphere: a multi-model evaluation using a comprehensive measurement data set. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9413-9433.	1.9	145
9	Pyrogenic iron: The missing link to high iron solubility in aerosols. <i>Science Advances</i> , 2019, 5, eaau7671.	4.7	128
10	Global Modeling of the Oceanic Source of Organic Aerosols. <i>Advances in Meteorology</i> , 2010, 2010, 1-16.	0.6	93
11	Aerosols in atmospheric chemistry and biogeochemical cycles of nutrients. <i>Environmental Research Letters</i> , 2018, 13, 063004.	2.2	74
12	Changes in dissolved iron deposition to the oceans driven by human activity: a 3-D global modelling study. <i>Biogeosciences</i> , 2015, 12, 3973-3992.	1.3	69
13	Understanding the nature of atmospheric acid processing of mineral dusts in supplying bioavailable phosphorus to the oceans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14639-14644.	3.3	68
14	Reviews and syntheses: the GESAMP atmospheric iron deposition model intercomparison study. <i>Biogeosciences</i> , 2018, 15, 6659-6684.	1.3	63
15	Bioavailable atmospheric phosphorous supply to the global ocean: a 3-D global modeling study. <i>Biogeosciences</i> , 2016, 13, 6519-6543.	1.3	60
16	Evaluation of global simulations of aerosol particle and cloud condensation nuclei number, with implications for cloud droplet formation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8591-8617.	1.9	60
17	Earth, Wind, Fire, and Pollution: Aerosol Nutrient Sources and Impacts on Ocean Biogeochemistry. <i>Annual Review of Marine Science</i> , 2022, 14, 303-330.	5.1	48
18	Perspective on identifying and characterizing the processes controlling iron speciation and residence time at the atmosphere-ocean interface. <i>Marine Chemistry</i> , 2019, 217, 103704.	0.9	41

#	ARTICLE	IF	CITATIONS
19	EC-Earth3-AerChem: a global climate model with interactive aerosols and atmospheric chemistry participating in CMIP6. <i>Geoscientific Model Development</i> , 2021, 14, 5637-5668.	1.3	40
20	Changing atmospheric acidity as a modulator of nutrient deposition and ocean biogeochemistry. <i>Science Advances</i> , 2021, 7, .	4.7	39
21	Sensitivity of tropospheric loads and lifetimes of short lived pollutants to fire emissions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3543-3563.	1.9	32
22	Large gain in air quality compared to an alternative anthropogenic emissions scenario. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9771-9784.	1.9	30
23	Formation and growth of atmospheric nanoparticles in the eastern Mediterranean: results from long-term measurements and process simulations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2671-2686.	1.9	30
24	Observation- and model-based estimates of particulate dry nitrogen deposition to the oceans. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8189-8210.	1.9	26
25	A modeling study of the impact of the 2007 Greek forest fires on the gaseous pollutant levels in the Eastern Mediterranean. <i>Atmospheric Research</i> , 2014, 149, 1-17.	1.8	23
26	Atmospheric inputs of nutrients to the Mediterranean Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 171, 104606.	0.6	21
27	Multi-model evaluation of short-lived pollutant distributions over east Asia during summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10765-10792.	1.9	17
28	Ozone and carbon monoxide budgets over the Eastern Mediterranean. <i>Science of the Total Environment</i> , 2016, 563-564, 40-52.	3.9	15
29	An explicit estimate of the atmospheric nutrient impact on global oceanic productivity. <i>Ocean Science</i> , 2020, 16, 1183-1205.	1.3	12
30	The Contribution of Bioaerosols to the Organic Carbon Budget of the Atmosphere. Springer <i>Atmospheric Sciences</i> , 2017, , 845-851.	0.4	11
31	Description and evaluation of a detailed gas-phase chemistry scheme in the TM5-MP global chemistry transport model (r112). <i>Geoscientific Model Development</i> , 2020, 13, 5507-5548.	1.3	11
32	Multiphase processes in the EC-Earth model and their relevance to the atmospheric oxalate, sulfate, and iron cycles. <i>Geoscientific Model Development</i> , 2022, 15, 3079-3120.	1.3	9
33	Simulated air quality and pollutant budgets over Europe in 2008. <i>Science of the Total Environment</i> , 2014, 470-471, 270-281.	3.9	4
34	Global Modelling Of Secondary Organic Aerosol (Soa) Formation: Knowledge And Challenges. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 149-165.	0.1	2
35	High-Resolution Measurements of SO ₂ , HNO ₃ and HCl at the Urban Environment of Athens, Greece: Levels, Variability and Gas to Particle Partitioning. <i>Atmosphere</i> , 2022, 13, 218.	1.0	1
36	Study of the Impact of an Intense Biomass Burning Event on the Air Quality in the Eastern Mediterranean. Springer <i>Atmospheric Sciences</i> , 2013, , 1189-1195.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Evaluating Dust Contribution to CCN Using Satellite Observations. Springer Atmospheric Sciences, 2017, , 925-931.	0.4	0
38	Drivers of Air Quality in the East Mediterranean. Springer Atmospheric Sciences, 2013, , 1019-1024.	0.4	0
39	Human Driven Changes in Atmospheric Aerosol Composition. Springer Proceedings in Complexity, 2018, , 543-549.	0.2	0
40	Sensitivity of Atmospheric Composition Mesoscale Simulations in the Mediterranean to the Meteorological Data and Chemical Boundary Conditions. Springer Proceedings in Complexity, 2020, , 335-341.	0.2	0
41	Global Simulations of Ice Nuclei Particles Derived from Organics and Inorganics Particles. Springer Proceedings in Complexity, 2021, , 19-24.	0.2	0