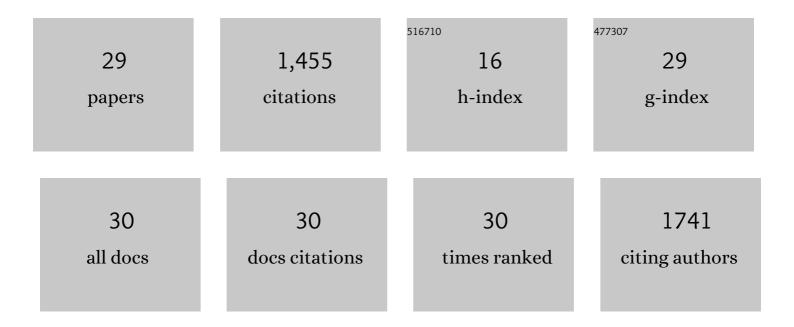
## **Charles Chemel**

List of Publications by Year in descending order

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CHADLES CHEMEL

#	Article	IF	CITATIONS
1	Drivers of severe air pollution events in a deep valley during wintertime: A case study from the Arve river valley, France. Atmospheric Environment, 2021, 247, 118030.	4.1	16
2	Numerical Modelling of Neutral Boundary-layer Flow Across a Forested Ridge. Boundary-Layer Meteorology, 2021, 180, 457-476.	2.3	1
3	Design and field campaign validation of a multi-rotor unmanned aerial vehicle and optical particle counter. Atmospheric Measurement Techniques, 2020, 13, 6613-6630.	3.1	13
4	Dispersion of Tracers in the Stable Atmosphere of a Valley Opening onto a Plain. Boundary-Layer Meteorology, 2019, 172, 291-315.	2.3	7
5	Impact of Along-Valley Orographic Variations on the Dispersion of Passive Tracers in a Stable Atmosphere. Atmosphere, 2019, 10, 225.	2.3	8
6	Energetics of Deep Alpine Valleys in Pooling and Draining Configurations. Journals of the Atmospheric Sciences, 2017, 74, 2105-2124.	1.7	12
7	Insights into the deterministic skill of air quality ensembles from the analysis of AQMEII data. Atmospheric Chemistry and Physics, 2016, 16, 15629-15652.	4.9	23
8	Interactions Between the Nighttime Valley-Wind System and a Developing Cold-Air Pool. Boundary-Layer Meteorology, 2016, 161, 49-72.	2.3	19
9	A risk based application of the regional model CMAQ to policy decisions. Atmospheric Pollution Research, 2016, 7, 207-214.	3.8	2
10	Valley heat deficit as a bulk measure of wintertime particulate air pollution in the Arve River Valley. Atmospheric Environment, 2016, 128, 208-215.	4.1	48
11	Sensitivity of tropical deep convection in global models: effects of horizontal resolution, surface constraints, and <scp>3D</scp> atmospheric nudging. Atmospheric Science Letters, 2015, 16, 148-154.	1.9	5
12	Comparative analysis of meteorological performance of coupled chemistry-meteorology models in the context of AQMEII phase 2. Atmospheric Environment, 2015, 115, 470-498.	4.1	85
13	Evaluation of operational on-line-coupled regional air quality models over Europe and North America in the context of AQMEII phase 2. Part I: Ozone. Atmospheric Environment, 2015, 115, 404-420.	4.1	168
14	Pollutant Dispersion in a Developing Valley Cold-Air Pool. Boundary-Layer Meteorology, 2015, 154, 391-408.	2.3	14
15	Analysis of meteorology–chemistry interactions during air pollution episodes using online coupled models within AQMEII phase-2. Atmospheric Environment, 2015, 115, 527-540.	4.1	61
16	Evaluation of operational online-coupled regional air quality models over Europe and North America in the context of AQMEII phase 2. Part II: Particulate matter. Atmospheric Environment, 2015, 115, 421-441.	4.1	133
17	Interactions Between Downslope Flows and a Developing Cold-Air Pool. Boundary-Layer Meteorology, 2015, 154, 57-80.	2.3	18
18	Analysis of UK and European NOx and VOC emission scenarios in the Defra model intercomparison exercise. Atmospheric Environment, 2014, 94, 249-257.	4.1	8

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#	Article	IF	CITATIONS
19	Evolution of Cold-Air-Pooling Processes in Complex Terrain. Boundary-Layer Meteorology, 2014, 150, 423-447.	2.3	27
20	Characterization of Oscillatory Motions in the Stable Atmosphere of a Deep Valley. Boundary-Layer Meteorology, 2013, 148, 439-454.	2.3	15
21	Response of London's Urban Heat Island to a Marine Air Intrusion in an Easterly Wind Regime. Boundary-Layer Meteorology, 2012, 144, 65-81.	2.3	37
22	Trace gas/aerosol boundary concentrations and their impacts on continental-scale AQMEII modeling domains. Atmospheric Environment, 2012, 53, 38-50.	4.1	72
23	Evaluation of the meteorological forcing used for the Air Quality Model Evaluation International Initiative (AQMEII) air quality simulations. Atmospheric Environment, 2012, 53, 15-37.	4.1	111
24	Examination of the Community Multiscale Air Quality (CMAQ) model performance over the North American and European domains. Atmospheric Environment, 2012, 53, 142-155.	4.1	89
25	Model evaluation and ensemble modelling of surface-level ozone in Europe and North America in the context of AQMEII. Atmospheric Environment, 2012, 53, 60-74.	4.1	192
26	Operational model evaluation for particulate matter in Europe and North America in the context of AQMEII. Atmospheric Environment, 2012, 53, 75-92.	4.1	214
27	Turbulent mixing in a katabatic wind under stable conditions. Meteorologische Zeitschrift, 2010, 19, 467-480.	1.0	5
28	Quantifying the Imprint of a Severe Hector Thunderstorm during ACTIVE/SCOUT-O3 onto the Water Content in the Upper Troposphere/Lower Stratosphere. Monthly Weather Review, 2009, 137, 2493-2514.	1.4	49
29	Production of ozone in the Chamonix Valley (France). International Journal of Environment and Pollution 2005, 24, 201	0.2	3