

# Umberto Giostra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1628805/publications.pdf>

Version: 2024-02-01

29  
papers

633  
citations

516710

16  
h-index

580821

25  
g-index

34  
all docs

34  
docs citations

34  
times ranked

663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical propagation of submeso and coherent structure in a tall and dense amazon forest in different stability conditions. PART II: Coherent structures analysis. <i>Agricultural and Forest Meteorology</i> , 2022, 322, 108993.	4.8	2
2	Influence of submeso motions on scalar oscillations and surface energy balance. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 889-903.	2.7	18
3	First Evidences of Methyl Chloride (CH <sub>3</sub> Cl) Transport from the Northern Italy Boundary Layer during Summer 2017. <i>Atmosphere</i> , 2020, 11, 238.	2.3	3
4	Horizontal Meandering as a Distinctive Feature of the Stable Boundary Layer. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 3029-3046.	1.7	31
5	Submeso Motions and Intermittent Turbulence Across a Nocturnal Low-Level Jet: A Self-Organized Criticality Analogy. <i>Boundary-Layer Meteorology</i> , 2019, 172, 17-43.	2.3	27
6	Interaction of Submeso Motions in the Antarctic Stable Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2019, 171, 151-173.	2.3	27
7	Observations of submeso motions and intermittent turbulent mixing across a low level jet with a 132m tower. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 172-183.	2.7	37
8	A wavelet analysis of low wind speed submeso motions in a nocturnal boundary layer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 661-669.	2.7	37
9	Anthropogenic non-methane volatile hydrocarbons at Mt. Cimone (2165m a.s.l., Italy): Impact of sources and transport on atmospheric composition. <i>Atmospheric Environment</i> , 2016, 140, 395-403.	4.1	9
10	Emissions of carbon tetrachloride from Europe. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12849-12859.	4.9	14
11	Non-Methane Volatile Organic Compounds in the Background Atmospheres of a Southern European Mountain Site (Mt. Cimone, Italy): Annual and Seasonal Variability. <i>Aerosol and Air Quality Research</i> , 2016, 16, 581-592.	2.1	9
12	Characteristics of Gravity Waves over an Antarctic Ice Sheet during an Austral Summer. <i>Atmosphere</i> , 2015, 6, 1271-1289.	2.3	20
13	Estimates of European emissions of methyl chloroform using a Bayesian inversion method. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9755-9770.	4.9	25
14	Three-year observations of halocarbons at the Nepal Climate Observatory at Pyramid (NCO-P, 5079 m) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.9	7
15	On the Anomalous Behaviour of Scalar Flux Variance Similarity Functions Within the Canopy Sub-layer of a Dense Alpine Forest. <i>Boundary-Layer Meteorology</i> , 2008, 128, 33-57.	2.3	48
16	Localization of source regions of selected hydrofluorocarbons combining data collected at two European mountain stations. <i>Science of the Total Environment</i> , 2008, 391, 232-240.	8.0	18
17	An efficient algorithm for scalar PDF modelling in incompressible turbulent flow; numerical analysis with evaluation of IEM and IECM micro-mixing models. <i>Journal of Computational Physics</i> , 2007, 223, 519-550.	3.8	29
18	Buoyancy and The Sensible Heat Flux Budget Within Dense Canopies. <i>Boundary-Layer Meteorology</i> , 2006, 118, 217-240.	2.3	61

#	ARTICLE	IF	CITATIONS
19	Investigation of Low-Frequency Perturbations Induced by a Steep Obstacle. <i>Boundary-Layer Meteorology</i> , 2005, 115, 27-45.	2.3	20
20	Probability density function modelling of concentration in and above a canopy layer. <i>Agricultural and Forest Meteorology</i> , 2005, 133, 153-165.	4.8	19
21	Organised Motion and Radiative Perturbations in the Nocturnal Canopy Sublayer above an Even-Aged Pine Forest. <i>Boundary-Layer Meteorology</i> , 2004, 112, 129-157.	2.3	90
22	A simple and fast model to compute concentration moments in a convective boundary layer. <i>Atmospheric Environment</i> , 2002, 36, 4717-4724.	4.1	25
23	A semi-analytical model for mean concentration in a convective boundary layer. <i>Atmospheric Environment</i> , 2002, 36, 4707-4715.	4.1	2
24	Structure Functions In A Wall-Turbulent Shear Flow. <i>Boundary-Layer Meteorology</i> , 2002, 103, 337-359.	2.3	16
25	Spectral Maxima In A Perturbed Stable Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2001, 100, 421-437.	2.3	21
26	An Advanced Puff Model Based On A Mixed Eulerian/Lagrangian Approach For Turbulent Dispersion In The Convective Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2000, 95, 319-339.	2.3	2
27	Flux-gradient relationship for turbulent dispersion over complex terrain. <i>Nonlinear Processes in Geophysics</i> , 1995, 2, 89-100.	1.3	1
28	Dynamical models of pollutant transport in the atmosphere. <i>Aerobiologia</i> , 1994, 10, 53-57.	1.7	4
29	Model for pollen immission and transport in the evolving convective boundary layer. <i>Grana</i> , 1991, 30, 210-214.	0.8	9