Olivier Bousquet

List of Publications by Year in descending order

42 papers	1,015 citations	471509 17 h-index	434195 31 g-index
43 all docs	43 docs citations	43 times ranked	1072 citing authors

#	Article	IF	Citations
1	HyMeX-SOP1: The Field Campaign Dedicated to Heavy Precipitation and Flash Flooding in the Northwestern Mediterranean. Bulletin of the American Meteorological Society, 2014, 95, 1083-1100.	3.3	262
2	A Multiple-Doppler Synthesis and Continuity Adjustment Technique (MUSCAT) to Recover Wind Components from Doppler Radar Measurements. Journal of Atmospheric and Oceanic Technology, 1998, 15, 343-359.	1.3	68
3	Observations and impacts of upstream blocking during a widespread orographic precipitation event. Quarterly Journal of the Royal Meteorological Society, 2003, 129, 391-409.	2.7	67
4	Airflow within major Alpine river valleys under heavy rainfall. Quarterly Journal of the Royal Meteorological Society, 2003, 129, 411-431.	2.7	65
5	Realâ€“Time Wind Synthesis from Doppler Radar Observations during the Mesoscale Alpine Programme. Bulletin of the American Meteorological Society, 2000, 81, 2953-2962.	3.3	43
6	Operational Multiple-Doppler Wind Retrieval Inferred from Long-Range Radial Velocity Measurements. Journal of Applied Meteorology and Climatology, 2008, 47, 2929-2945.	1.5	30
7	High-frequency boundary layer profiling with reusable radiosondes. Atmospheric Measurement Techniques, 2013, 6, 2195-2205.	3.1	28
8	A New Coupled Oceanâ€Wavesâ€Atmosphere Model Designed for Tropical Storm Studies: Example of Tropical Cyclone Bejisa (2013â€“2014) in the Southâ€West Indian Ocean. Journal of Advances in Modeling Earth Systems, 2018, 10, 801-825.	3.8	27
9	In-Place Estimation of Wet Radome Attenuation at X Band. Journal of Atmospheric and Oceanic Technology, 2013, 30, 917-928.	1.3	26
10	Airflow and Precipitation Fields within Deep Alpine Valleys Observed by Airborne Doppler Radar*. Journal of Applied Meteorology and Climatology, 2003, 42, 1497-1513.	1.7	25
11	Relationships between total lightning activity, microphysics and kinematics during the 24 September 2012 HyMeX bowâ€echo system. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 298-309.	2.7	24
12	Time and space correlation between sprites and their parent lightning flashes for a thunderstorm observed during the HyMeX campaign. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,552.	3.3	22
13	Multifrequency Radar Observations Collected in Southern France during HyMeX-SOP1. Bulletin of the American Meteorological Society, 2015, 96, 267-282.	3.3	22
14	On the application of MUSCAT to a ground-baseddual-Doppler radar system. Meteorology and Atmospheric Physics, 2001, 78, 133-139.	2.0	21
15	Analysis of scale dependence of quantitative precipitation forecast verification: A case-study over the Mackenzie river basin. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 2107-2125.	2.7	19
16	Using Gap-Filling Radars in Mountainous Regions to Complement a National Radar Network: Improvements in Multiple-Doppler Wind Syntheses. Journal of Applied Meteorology and Climatology, 2013, 52, 1836-1850.	1.5	19
17	Development of a nationwide realâ€time 3â€D wind and reflectivity radar composite in France. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 611-625.	2.7	18
18	Evaluation of Precipitation from Numerical Weather Prediction Models and Satellites Using Values Retrieved from Radars. Monthly Weather Review, 2007, 135, 3750-3766.	1.4	17

#	Article	IF	Citations
19	Evaluation and application of hydrometeor classification algorithm outputs inferred from multiâ€frequency dualâ€polarimetric radar observations collected during HyMeX. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 95-107.	2.7	16
20	Impact of Tropical Cyclones on Inhabited Areas of the SWIO Basin at Present and Future Horizons. Part 1: Overview and Observing Component of the Research Project RENOVRISK-CYCLONE. Atmosphere, 2021, 12, 544.	2.3	16
21	On the value of operationally synthesized multipleâ€Doppler wind fields. Geophysical Research Letters, 2007, 34, .	4.0	15
22	Impact of the Generation and Activation of Sea Salt Aerosols on the Evolution of Tropical Cyclone Dumile. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8813-8831.	3.3	15
23	Analysis of diurnal to seasonal variability of Integrated Water Vapour in the South Indian Ocean basin using groundâ€based GNSS and fifthâ€generation ECMWF reanalysis (ERA5) data. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 229-248.	2.7	14
24	An evaluation of tropical cyclone forecast in the Southwest Indian Ocean basin with AROMEâ€Indian Ocean convectionâ€permitting numerical weather predicting system. Atmospheric Science Letters, 2020, 21, e950.	1.9	13
25	Using operationally synthesized multipleâ€Doppler winds for high resolution horizontal wind forecast verification. Geophysical Research Letters, 2008, 35, .	4.0	12
26	Projected Changes in the Southern Indian Ocean Cyclone Activity Assessed from High-Resolution Experiments and CMIP5 Models. Journal of Climate, 2020, 33, 4975-4991.	3.2	12
27	Densification of the Ground-Based GNSS Observation Network in the Southwest Indian Ocean: Current Status, Perspectives, and Examples of Applications in Meteorology and Geodesy. Frontiers in Earth Science, 2020, 8, .	1.8	11
28	Observed mass transports accompanying upstream orographic blocking during MAP IOP8. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 2393-2413.	2.7	10
29	The Effect of Atmosphere-Ocean Coupling on the Structure and Intensity of Tropical Cyclone Bejisa in the Southwest Indian Ocean. Atmosphere, 2021, 12, 688.	2.3	10
30	Water vapor mixing ratio and temperature inter-comparison results in the framework of the Hydrological Cycle in the Mediterranean Experimentâ€"Special Observation Period 1. Bulletin of Atmospheric Science and Technology, 2020, 1, 113-153.	0.9	9
31	ReNovRisk: a multidisciplinary programme to study the cyclonic risks in the South-West Indian Ocean. Natural Hazards, 2021, 107, 1191-1223.	3.4	9
32	Sea Turtles for Ocean Research and Monitoring: Overview and Initial Results of the STORM Project in the Southwest Indian Ocean. Frontiers in Marine Science, 2020, 7, .	2.5	9
33	Evaluation of 3D wind observations inferred from the analysis of airborne and groundâ€based radars during HyMeX SOPâ€1. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 86-94.	2.7	8
34	The orographic effect of Reunion Island on tropical cyclone track and intensity. Atmospheric Science Letters, 2019, 20, e882.	1.9	8
35	Model Wind Field Forecast Verification Using Multiple-Doppler Syntheses from a National Radar Network. Weather and Forecasting, 2014, 29, 331-348.	1.4	6
36	Impact of Tropical Cyclones on Inhabited Areas of the SWIO Basin at Present and Future Horizons. Part 2: Modeling Component of the Research Program RENOVRISK-CYCLONE. Atmosphere, 2021, 12, 689.	2.3	5

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37	An evaluation of tropical cyclone forecast in the Southwest Indian Ocean basin with AROMEâ€Indian Ocean convectionâ€permitting numerical weather predicting system. Atmospheric Science Letters, 2020, 21, e950.	1.9	5
38	Development of a Nationwide, Low-Level Wind Shear Mosaic in France. Weather and Forecasting, 2013, 28, 1241-1260.	1.4	4
39	Routine Measurement of Water Vapour Using GNSS in the Framework of the Map-Io Project. Atmosphere, 2022, 13, 903.	2.3	3
40	Water vapor mixing ratio and temperature inter-comparison results in the framework of the Hydrological Cycle in the Mediterranean Experimentâ€"Special Observation Period 1. , 2020, 1, 113.		1
41	A Frontal Thunderstorm With Several Multiâ€Cell Lines Found to Produce Energetic Preliminary Breakdown. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	1
42	Cloud Radar Observations of Diurnal and Seasonal Cloudiness over Reunion Island. Atmosphere, 2021, 12, 868.	2.3	0