

# Olivier Bousquet

## List of Publications by Year in descending order

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Version: 2024-02-01

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	A Frontal Thunderstorm With Several Multi-Cell Lines Found to Produce Energetic Preliminary Breakdown. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	1
2	Routine Measurement of Water Vapour Using GNSS in the Framework of the Map-Io Project. <i>Atmosphere</i> , 2022, 13, 903.	2.3	3
3	Analysis of diurnal to seasonal variability of Integrated Water Vapour in the South Indian Ocean basin using ground-based GNSS and fifth-generation ECMWF reanalysis (ERA5) data. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 229-248.	2.7	14
4	ReNovRisk: a multidisciplinary programme to study the cyclonic risks in the South-West Indian Ocean. <i>Natural Hazards</i> , 2021, 107, 1191-1223.	3.4	9
5	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. <i>Atmosphere</i> , 2021, 12, 544.	2.3	16
6	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. <i>Atmosphere</i> , 2021, 12, 689.	2.3	5
7	The Effect of Atmosphere-Ocean Coupling on the Structure and Intensity of Tropical Cyclone Bejisa in the Southwest Indian Ocean. <i>Atmosphere</i> , 2021, 12, 688.	2.3	10
8	Cloud Radar Observations of Diurnal and Seasonal Cloudiness over Reunion Island. <i>Atmosphere</i> , 2021, 12, 868.	2.3	0
9	Densification of the Ground-Based GNSS Observation Network in the Southwest Indian Ocean: Current Status, Perspectives, and Examples of Applications in Meteorology and Geodesy. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	11
10	Projected Changes in the Southern Indian Ocean Cyclone Activity Assessed from High-Resolution Experiments and CMIP5 Models. <i>Journal of Climate</i> , 2020, 33, 4975-4991.	3.2	12
11	Water vapor mixing ratio and temperature inter-comparison results in the framework of the Hydrological Cycle in the Mediterranean Experimentâ€”Special Observation Period 1. <i>Bulletin of Atmospheric Science and Technology</i> , 2020, 1, 113-153.	0.9	9
12	An evaluation of tropical cyclone forecast in the Southwest Indian Ocean basin with AROMEâ€”Indian Ocean convectionâ€”permitting numerical weather predicting system. <i>Atmospheric Science Letters</i> , 2020, 21, e950.	1.9	13
13	An evaluation of tropical cyclone forecast in the Southwest Indian Ocean basin with AROMEâ€”Indian Ocean convectionâ€”permitting numerical weather predicting system. <i>Atmospheric Science Letters</i> , 2020, 21, e950.	1.9	5
14	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
15	Sea Turtles for Ocean Research and Monitoring: Overview and Initial Results of the STORM Project in the Southwest Indian Ocean. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	9
16	The orographic effect of Reunion Island on tropical cyclone track and intensity. <i>Atmospheric Science Letters</i> , 2019, 20, e882.	1.9	8
17	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. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 801-825.	3.8	27
18	Impact of the Generation and Activation of Sea Salt Aerosols on the Evolution of Tropical Cyclone Dumile. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8813-8831.	3.3	15

#	ARTICLE	IF	CITATIONS
19	Evaluation and application of hydrometeor classification algorithm outputs inferred from multi-frequency dual-polarimetric radar observations collected during HyMeX. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 95-107.	2.7	16
20	Relationships between total lightning activity, microphysics and kinematics during the 24 September 2012 HyMeX bow-echo system. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 298-309.	2.7	24
21	Evaluation of 3D wind observations inferred from the analysis of airborne and ground-based radars during HyMeX SOP1. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 86-94.	2.7	8
22	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
23	Multifrequency Radar Observations Collected in Southern France during HyMeX-SOP1. Bulletin of the American Meteorological Society, 2015, 96, 267-282.	3.3	22
24	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
25	Model Wind Field Forecast Verification Using Multiple-Doppler Syntheses from a National Radar Network. Weather and Forecasting, 2014, 29, 331-348.	1.4	6
26	Development of a nationwide real-time 3-D wind and reflectivity radar composite in France. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 611-625.	2.7	18
27	In-Place Estimation of Wet Radome Attenuation at X Band. Journal of Atmospheric and Oceanic Technology, 2013, 30, 917-928.	1.3	26
28	High-frequency boundary layer profiling with reusable radiosondes. Atmospheric Measurement Techniques, 2013, 6, 2195-2205.	3.1	28
29	Development of a Nationwide, Low-Level Wind Shear Mosaic in France. Weather and Forecasting, 2013, 28, 1241-1260.	1.4	4
30	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
31	Using operationally synthesized multiple-Doppler winds for high resolution horizontal wind forecast verification. Geophysical Research Letters, 2008, 35, .	4.0	12
32	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
33	On the value of operationally synthesized multiple-Doppler wind fields. Geophysical Research Letters, 2007, 34, .	4.0	15
34	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
35	Observed mass transports accompanying upstream orographic blocking during MAP IOP8. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 2393-2413.	2.7	10
36	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

#	ARTICLE	IF	CITATIONS
37	Airflow within major Alpine river valleys under heavy rainfall. Quarterly Journal of the Royal Meteorological Society, 2003, 129, 411-431.	2.7	65
38	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
39	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
40	On the application of MUSCAT to a ground-based dual-Doppler radar system. Meteorology and Atmospheric Physics, 2001, 78, 133-139.	2.0	21
41	Real-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
42	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