Andreas Platis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6834148/publications.pdf

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24	714	623188	642321
papers	citations	14	23
		h-index	g-index

49	49	49	1006
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First in situ evidence of wakes in the far field behind offshore wind farms. Scientific Reports, 2018, 8, 2163.	1.6	124
2	ALADINA â€“ an unmanned research aircraft for observing vertical and horizontal distributions of ultrafine particles within the atmospheric boundary layer. Atmospheric Measurement Techniques, 2015, 8, 1627-1639.	1.2	84
3	An Observational Case Study on the Influence of Atmospheric Boundary-Layer Dynamics on New Particle Formation. Boundary-Layer Meteorology, 2016, 158, 67-92.	1.2	66
4	Offshore wind farm wake recovery: Airborne measurements and its representation in engineering models. Wind Energy, 2020, 23, 1249-1265.	1.9	51
5	Micrometeorological impacts of offshore wind farms as seen in observations and simulations. Environmental Research Letters, 2018, 13, 124012.	2.2	44
6	Turbulent kinetic energy over large offshore wind farms observed and simulated by the mesoscale model WRF (3.8.1). Geoscientific Model Development, 2020, 13, 249-268.	1.3	42
7	Evaluation of a Wind Farm Parametrization for Mesoscale Atmospheric Flow Models with Aircraft Measurements. Meteorologische Zeitschrift, 2018, 27, 401-415.	0.5	36
8	Reviewing Wind Measurement Approaches for Fixed-Wing Unmanned Aircraft. Atmosphere, 2018, 9, 422.	1.0	36
9	The Multi-Purpose Airborne Sensor Carrier MASC-3 for Wind and Turbulence Measurements in the Atmospheric Boundary Layer. Sensors, 2019, 19, 2292.	2.1	33
10	Long-range modifications of the wind field by offshore wind parksÂâ€“ results of the project WIPAFF. Meteorologische Zeitschrift, 2020, 29, 355-376.	0.5	30
11	Overview: Integrative and Comprehensive Understanding on Polar Environments (iCUPE) â€“ concept and initial results. Atmospheric Chemistry and Physics, 2020, 20, 8551-8592.	1.9	26
12	Airborne observations of newly formed boundary layer aerosol particles under cloudy conditions. Atmospheric Chemistry and Physics, 2018, 18, 8249-8264.	1.9	21
13	A new multicopter-based unmanned aerial system for pollen and spores collection in the atmospheric boundary layer. Atmospheric Measurement Techniques, 2019, 12, 1581-1598.	1.2	17
14	InÂsitu airborne measurements of atmospheric and sea surface parameters related to offshore wind parks in the German Bight. Earth System Science Data, 2020, 12, 935-946.	3.7	16
15	Evaluation of a simple analytical model for offshore wind farm wake recovery by in situ data and Weather Research and Forecasting simulations. Wind Energy, 2021, 24, 212-228.	1.9	15
16	The Role of Atmospheric Stability and Turbulence in Offshore Wind-Farm Wakes in the German Bight. Boundary-Layer Meteorology, 2022, 182, 441-469.	1.2	14
17	On the Discrepancy in Simultaneous Observations of the Structure Parameter of Temperature Using Scintillometers and Unmanned Aircraft. Boundary-Layer Meteorology, 2016, 158, 257-283.	1.2	12
18	First identification and quantification of detached-tip vortices behind a wind energy converter using fixed-wing unmanned aircraft system. Wind Energy Science, 2019, 4, 451-463.	1.2	12

#	Article	IF	Citations
19	Observations of the Temperature and Humidity Structure Parameter Over Heterogeneous Terrain by Airborne Measurements During the LITFASS-2003 Campaign. Boundary-Layer Meteorology, 2017, 165, 447-473.	1.2	6
20	Validating CFD Predictions of Flow over an Escarpment Using Ground-Based and Airborne Measurement Devices. Energies, 2020, 13, 4688.	1.6	6
21	A Two-Day Case Study: Comparison of Turbulence Data from an Unmanned Aircraft System with a Model Chain for Complex Terrain. Boundary-Layer Meteorology, 2021, 180, 53-78.	1.2	4
22	Unmanned Aircraft Systems. Springer Handbooks, 2021, , 1331-1349.	0.3	4
23	Analysis of the influence of a lake on the lower convective boundary layer from airborne observations. Meteorologische Zeitschrift, 2017, 26, 161-180.	0.5	3
24	Turbulence above offshore wind farms measured by aircraft. Journal of Physics: Conference Series, 2022, 2265, 022065.	0.3	0