

Andreas Platis

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

714
citations

623188

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1006
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The Role of Atmospheric Stability and Turbulence in Offshore Wind-Farm Wakes in the German Bight. <i>Boundary-Layer Meteorology</i> , 2022, 182, 441-469. | 1.2 | 14 |
| 2 | Turbulence above offshore wind farms measured by aircraft. <i>Journal of Physics: Conference Series</i> , 2022, 2265, 022065. | 0.3 | 0 |
| 3 | Evaluation of a simple analytical model for offshore wind farm wake recovery by in situ data and Weather Research and Forecasting simulations. <i>Wind Energy</i> , 2021, 24, 212-228. | 1.9 | 15 |
| 4 | A Two-Day Case Study: Comparison of Turbulence Data from an Unmanned Aircraft System with a Model Chain for Complex Terrain. <i>Boundary-Layer Meteorology</i> , 2021, 180, 53-78. | 1.2 | 4 |
| 5 | Unmanned Aircraft Systems. <i>Springer Handbooks</i> , 2021, , 1331-1349. | 0.3 | 4 |
| 6 | Validating CFD Predictions of Flow over an Escarpment Using Ground-Based and Airborne Measurement Devices. <i>Energies</i> , 2020, 13, 4688. | 1.6 | 6 |
| 7 | Offshore wind farm wake recovery: Airborne measurements and its representation in engineering models. <i>Wind Energy</i> , 2020, 23, 1249-1265. | 1.9 | 51 |
| 8 | Turbulent kinetic energy over large offshore wind farms observed and simulated by the mesoscale model WRF (3.8.1). <i>Geoscientific Model Development</i> , 2020, 13, 249-268. | 1.3 | 42 |
| 9 | Long-range modifications of the wind field by offshore wind parks“ results of the project WIPAFF. <i>Meteorologische Zeitschrift</i> , 2020, 29, 355-376. | 0.5 | 30 |
| 10 | Overview: Integrative and Comprehensive Understanding on Polar Environments (iCUPE) “ concept and initial results. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8551-8592. | 1.9 | 26 |
| 11 | In-situ airborne measurements of atmospheric and sea surface parameters related to offshore wind parks in the German Bight. <i>Earth System Science Data</i> , 2020, 12, 935-946. | 3.7 | 16 |
| 12 | The Multi-Purpose Airborne Sensor Carrier MASC-3 for Wind and Turbulence Measurements in the Atmospheric Boundary Layer. <i>Sensors</i> , 2019, 19, 2292. | 2.1 | 33 |
| 13 | A new multicopter-based unmanned aerial system for pollen and spores collection in the atmospheric boundary layer. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1581-1598. | 1.2 | 17 |
| 14 | First identification and quantification of detached-tip vortices behind a wind energy converter using fixed-wing unmanned aircraft system. <i>Wind Energy Science</i> , 2019, 4, 451-463. | 1.2 | 12 |
| 15 | First in situ evidence of wakes in the far field behind offshore wind farms. <i>Scientific Reports</i> , 2018, 8, 2163. | 1.6 | 124 |
| 16 | Micrometeorological impacts of offshore wind farms as seen in observations and simulations. <i>Environmental Research Letters</i> , 2018, 13, 124012. | 2.2 | 44 |
| 17 | Airborne observations of newly formed boundary layer aerosol particles under cloudy conditions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8249-8264. | 1.9 | 21 |
| 18 | Evaluation of a Wind Farm Parametrization for Mesoscale Atmospheric Flow Models with Aircraft Measurements. <i>Meteorologische Zeitschrift</i> , 2018, 27, 401-415. | 0.5 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Reviewing Wind Measurement Approaches for Fixed-Wing Unmanned Aircraft. <i>Atmosphere</i> , 2018, 9, 422. | 1.0 | 36 |
| 20 | Observations of the Temperature and Humidity Structure Parameter Over Heterogeneous Terrain by Airborne Measurements During the LITFASS-2003 Campaign. <i>Boundary-Layer Meteorology</i> , 2017, 165, 447-473. | 1.2 | 6 |
| 21 | Analysis of the influence of a lake on the lower convective boundary layer from airborne observations. <i>Meteorologische Zeitschrift</i> , 2017, 26, 161-180. | 0.5 | 3 |
| 22 | An Observational Case Study on the Influence of Atmospheric Boundary-Layer Dynamics on New Particle Formation. <i>Boundary-Layer Meteorology</i> , 2016, 158, 67-92. | 1.2 | 66 |
| 23 | On the Discrepancy in Simultaneous Observations of the Structure Parameter of Temperature Using Scintillometers and Unmanned Aircraft. <i>Boundary-Layer Meteorology</i> , 2016, 158, 257-283. | 1.2 | 12 |
| 24 | ALADINA – an unmanned research aircraft for observing vertical and horizontal distributions of ultrafine particles within the atmospheric boundary layer. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1627-1639. | 1.2 | 84 |