

Julia Gottschall

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

711
citations

840585

11
h-index

839398

18
g-index

18
all docs

18
docs citations

18
times ranked

666
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Can Wind Lidars Measure Turbulence?. Journal of Atmospheric and Oceanic Technology, 2011, 28, 853-868. | 0.5 | 136 |
| 2 | Accounting for the speed shear in wind turbine power performance measurement. Wind Energy, 2011, 14, 993-1004. | 1.9 | 119 |
| 3 | The Making of the New European Wind Atlas – Part 2: Production and evaluation. Geoscientific Model Development, 2020, 13, 5079-5102. | 1.3 | 86 |
| 4 | Complex terrain experiments in the New European Wind Atlas. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160101. | 1.6 | 82 |
| 5 | Lidar profilers in the context of wind energy – a verification procedure for traceable measurements. Wind Energy, 2012, 15, 147-159. | 1.9 | 48 |
| 6 | Powering the 21st century by wind energy – Options, facts, figures. Applied Physics Reviews, 2019, 6, . | 5.5 | 45 |
| 7 | An Inter-Comparison Study of Multi- and DBS Lidar Measurements in Complex Terrain. Remote Sensing, 2016, 8, 782. | 1.8 | 44 |
| 8 | Floating lidar as an advanced offshore wind speed measurement technique: current technology status and gap analysis in regard to full maturity. Wiley Interdisciplinary Reviews: Energy and Environment, 2017, 6, e250. | 1.9 | 41 |
| 9 | IEA Wind Task 32: Wind Lidar Identifying and Mitigating Barriers to the Adoption of Wind Lidar. Remote Sensing, 2018, 10, 406. | 1.8 | 41 |
| 10 | First Verification Test and Wake Measurement Results Using a SHIP-LIDAR System. Energy Procedia, 2014, 53, 146-155. | 1.8 | 21 |
| 11 | The NEWA Ferry Lidar Experiment: Measuring Mesoscale Winds in the Southern Baltic Sea. Remote Sensing, 2018, 10, 1620. | 1.8 | 19 |
| 12 | The New European Wind Atlas Model Chain. Journal of Physics: Conference Series, 2020, 1452, 012087. | 0.3 | 9 |
| 13 | Understanding and mitigating the impact of data gaps on offshore wind resource estimates. Wind Energy Science, 2021, 6, 505-520. | 1.2 | 7 |
| 14 | Extreme Winds in the New European Wind Atlas. Journal of Physics: Conference Series, 2018, 1102, 012006. | 0.3 | 6 |
| 15 | Advancing Wind Resource Assessment in Complex Terrain with Scanning Lidar Measurements. Energies, 2021, 14, 3280. | 1.6 | 4 |
| 16 | How do NEWA and ERA5 compare for assessing offshore wind resources and wind farm siting conditions?. Journal of Physics: Conference Series, 2022, 2151, 012009. | 0.3 | 1 |
| 17 | Stability information derived from a floating lidar system using bulk Richardson formulation. Journal of Physics: Conference Series, 2022, 2265, 042024. | 0.3 | 1 |
| 18 | A comprehensive procedure to process scanning lidar data for engineering wake model validation. Journal of Physics: Conference Series, 2022, 2265, 022091. | 0.3 | 1 |