

# Katharina Gruber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4813102/publications.pdf>

Version: 2024-02-01

12  
papers

303  
citations

1307594

7  
h-index

1372567

10  
g-index

21  
all docs

21  
docs citations

21  
times ranked

295  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Towards global validation of wind power simulations: A multi-country assessment of wind power simulation from MERRA-2 and ERA-5 reanalyses bias-corrected with the global wind atlas. <i>Energy</i> , 2022, 238, 121520. | 8.8  | 41        |
| 2  | High-resolution large-scale onshore wind energy assessments: A review of potential definitions, methodologies and future research needs. <i>Renewable Energy</i> , 2022, 182, 659-684.                                   | 8.9  | 82        |
| 3  | Profitability and investment risk of Texan power system winterization. <i>Nature Energy</i> , 2022, 7, 409-416.  | 39.5 | 10        |
| 4  | The perils of automated fitting of datasets: The case of a wind turbine cost model. <i>Examples and Counterexamples</i> , 2022, 2, 100059.   | 0.6  | 0         |
| 5  | Winterizing power plants pays off for risk-neutral investors in Texas. <i>Nature Energy</i> , 2022, 7, 398-399.  | 39.5 | 0         |
| 6  | Pathway to a land-neutral expansion of Brazilian renewable fuel production. <i>Nature Communications</i> , 2022, 13, .   | 12.8 | 5         |
| 7  | The cost of undisturbed landscapes. <i>Energy Policy</i> , 2021, 159, 112617.  | 8.8  | 6         |
| 8  | Less Information, Similar Performance: Comparing Machine Learning-Based Time Series of Wind Power Generation to Renewables.ninja. <i>Energies</i> , 2020, 13, 2277.  | 3.1  | 3         |
| 9  | Assessing the Global Wind Atlas and local measurements for bias correction of wind power generation simulated from MERRA-2 in Brazil. <i>Energy</i> , 2019, 189, 116212.   | 8.8  | 38        |
| 10 | A new perspective on global renewable energy systems: why trade in energy carriers matters. <i>Energy and Environmental Science</i> , 2019, 12, 2022-2029.   | 30.8 | 81        |
| 11 | Potential Analysis of Hybrid Renewable Energy Systems for Self-Sufficient Residential Use in Germany and the Czech Republic. <i>Energies</i> , 2019, 12, 4185.   | 3.1  | 14        |
| 12 | Assessing variables of regional reanalysis data sets relevant for modelling small-scale renewable energy systems. <i>Renewable Energy</i> , 2019, 133, 1468-1478.  | 8.9  | 23        |