

Sang Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4970541/publications.pdf>

Version: 2024-02-01

19
papers

1,446
citations

933264

10
h-index

1199470

12
g-index

19
all docs

19
docs citations

19
times ranked

841
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A numerical study of the effects of atmospheric and wake turbulence on wind turbine dynamics. <i>Journal of Turbulence</i> , 2012, 13, N14. | 0.5 | 349 |
| 2 | Evaluating techniques for redirecting turbine wakes using SOWFA. <i>Renewable Energy</i> , 2014, 70, 211-218. | 4.3 | 308 |
| 3 | Simulation comparison of wake mitigation control strategies for a two-turbine case. <i>Wind Energy</i> , 2015, 18, 2135-2143. | 1.9 | 206 |
| 4 | A Large-Eddy Simulation of Wind-Plant Aerodynamics. , 2012, , . | | 166 |
| 5 | Quantifying error of lidar and sodar Doppler beam swinging measurements of wind turbine wakes using computational fluid dynamics. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 907-920. | 1.2 | 86 |
| 6 | Quantifying the sensitivity of wind farm performance to array layout options using large-eddy simulation. <i>Geophysical Research Letters</i> , 2013, 40, 4963-4970. | 1.5 | 76 |
| 7 | On atmospheric stability in the dynamic wake meandering model. <i>Wind Energy</i> , 2014, 17, 1689-1710. | 1.9 | 58 |
| 8 | Meteorology for Coastal/Offshore Wind Energy in the United States: Recommendations and Research Needs for the Next 10 Years. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 515-519. | 1.7 | 46 |
| 9 | Atmospheric and Wake Turbulence Impacts on Wind Turbine Fatigue Loadings. , 2012, , . | | 39 |
| 10 | Two improvements to the dynamic wake meandering model: including the effects of atmospheric shear on wake turbulence and incorporating turbulence build-up in a row of wind turbines. <i>Wind Energy</i> , 2015, 18, 111-132. | 1.9 | 32 |
| 11 | A Comparison of the Dynamic Wake Meandering Model, Large-Eddy Simulation, and Field Data at the Egmond aan Zee Offshore Wind Plant. , 2015, , . | | 19 |
| 12 | Simulation of Icing on a Cascade of Stator Blades. <i>Journal of Propulsion and Power</i> , 2008, 24, 1309-1316. | 1.3 | 16 |
| 13 | Load Estimation of Offshore Wind Turbines. <i>Energies</i> , 2018, 11, 1895. | 1.6 | 14 |
| 14 | Implementing the Dynamic Wake Meandering Model in the NWTC Design Codes. , 2014, , . | | 11 |
| 15 | Modeling Wind Turbine Tower and Nacelle Effects within an Actuator Line Model. , 2015, , . | | 10 |
| 16 | Interaction of Wind Turbine Wakes under Various Atmospheric Conditions. <i>Energies</i> , 2018, 11, 1442. | 1.6 | 4 |
| 17 | Blade Load Reduction for a 13 MW Downwind Pre-Aligned Rotor. , 2016, , . | | 3 |
| 18 | Large-eddy simulation of offshore wind plants and fatigue load mitigation via pitch control strategies. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, 033304. | 0.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 19 | Development of a Wind Plant Large-Eddy Simulation with Measurement-Driven Atmospheric Inflow. , 2017, , . | | 1 |