Jennifer King

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/583384/publications.pdf

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25	547	933447 10	940533 16
papers	citations	h-index	g-index

29	29	29	213
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Initial results from a field campaign of wake steering applied at a commercial wind farm â€“ Part 1. Wind Energy Science, 2019, 4, 273-285.	3.3	136
2	Continued results from a field campaign of wake steering applied at a commercial wind farm â€“ Part 2. Wind Energy Science, 2020, 5, 945-958.	3.3	63
3	Design and analysis of a wake steering controller with wind direction variability. Wind Energy Science, 2020, 5, 451-468.	3.3	50
4	Autonomous Energy Grids: Controlling the Future Grid With Large Amounts of Distributed Energy Resources. IEEE Power and Energy Magazine, 2020, 18, 37-46.	1.6	42
5	Analytical solution for the cumulative wake of wind turbines in wind farms. Journal of Fluid Mechanics, 2021, 911, .	3.4	40
6	Proof-of-concept of a reinforcement learning framework for wind farm energy capture maximization in time-varying wind. Journal of Renewable and Sustainable Energy, 2021, 13, .	2.0	24
7	Wake steering optimization under uncertainty. Wind Energy Science, 2020, 5, 413-426.	3.3	24
8	Comparison of modular analytical wake models to the Lillgrund wind plant. Journal of Renewable and Sustainable Energy, 2020, 12, .	2.0	19
9	Distributed model predictive control for coordinated, grid-interactive buildings. Applied Energy, 2022, 312, 118612.	10.1	18
10	A Distributed Reinforcement Learning Yaw Control Approach for Wind Farm Energy Capture Maximization. , 2020, , .		17
11	Evaluation of the potential for wake steering for U.S. land-based wind power plants. Journal of Renewable and Sustainable Energy, 2021, 13, .	2.0	16
12	Power increases using wind direction spatial filtering for wind farm control: Evaluation using FLORIS, modified for dynamic settings. Journal of Renewable and Sustainable Energy, 2021, 13, 023310.	2.0	10
13	The area localized coupled model for analytical mean flow prediction in arbitrary wind farm geometries. Journal of Renewable and Sustainable Energy, 2021, 13, .	2.0	9
14	Field Validation of Wake Steering Control with Wind Direction Variability. Journal of Physics: Conference Series, 2020, 1452, 012012.	0.4	9
15	Deep Reinforcement Learning for Automatic Generation Control of Wind Farms. , 2021, , .		8
16	Wake Steering Wind Farm Control With Preview Wind Direction Information. , 2021, , .		8
17	Estimation of Large-Scale Wind Field Characteristics using Supervisory Control and Data Acquisition Measurements. , 2020, , .		5
18	Network based estimation of wind farm power and velocity data under changing wind direction. , 2021, , .		5

#	Article	IF	Citations
19	Integration of distributed controllers: Power reference tracking through charging station and building coordination. Applied Energy, 2022, 314, 118753.	10.1	5
20	Serial-Refine Method for Fast Wake-Steering Yaw Optimization. Journal of Physics: Conference Series, 2022, 2265, 032109.	0.4	5
21	PowerGridworld. , 2022, , .		5
22	Learning Assisted Demand Charge Mitigation for Workplace Electric Vehicle Charging. IEEE Access, 2022, 10, 48283-48291.	4.2	2
23	Cooperative Load Scheduling for Multiple Aggregators Using Hierarchical ADMM. , 2020, , .		1
24	Mobile Sensing for Wind Field Estimation in Wind Farms. , 2020, , .		0
25	Resilient Autonomous Wind Farms. , 2020, , .		0