SÃ¸ren Juhl Andersen

List of Publications by Year
in descending order

34 papers	656 citations	623574 14 h-index	580701 25 g-index
49 all docs	49 docs citations	49 times ranked	541 citing authors

#	Article	IF	Citations
1	LES verification of HAWC2Farm aeroelastic wind farm simulations with wake steering and load analysis. Journal of Physics: Conference Series, 2022, 2265, 022069.	0.3	4
2	Probabilistic surrogates for flow control using combined control strategies. Journal of Physics: Conference Series, 2022, 2265, 032110.	0.3	3
3	Sensitivity and Uncertainty of the FLORIS Model Applied on the Lillgrund Wind Farm. Energies, 2021, 14, 1293.	1.6	10
4	Statistical impact of wind-speed ramp events on turbines, via observations and coupled fluid-dynamic and aeroelastic simulations. Wind Energy Science, 2021, 6, 1227-1245.	1.2	2
5	Multimodel validation of single wakes in neutral and stratified atmospheric conditions. Wind Energy, 2020, 23, 2027-2055.	1.9	46
6	Launch of the FarmConners Wind Farm Control benchmark for code comparison. Journal of Physics: Conference Series, 2020, 1618, 022040.	0.3	5
7	Validation of analytical body force model for actuator disc computations. Journal of Physics: Conference Series, 2020, 1618, 052051.	0.3	5
8	Global trends in the performance of large wind farms based on high-fidelity simulations. Wind Energy Science, 2020, 5, 1689-1703.	1.2	12
9	Optimizing wind farm control through wake steering using surrogate models based on high-fidelity simulations. Wind Energy Science, 2020, 5, 309-329.	1.2	27
10	Analytical model for the powerâ€“yaw sensitivity of wind turbines operating in full wake. Wind Energy Science, 2020, 5, 427-437.	1.2	23
11	Power curve and wake analyses of the Vestas multi-rotor demonstrator. Wind Energy Science, 2019, 4, 251-271.	1.2	52
12	Brief communication: Wind-speed-independent actuator disk control for faster annual energy production calculations of wind farms using computational fluid dynamics. Wind Energy Science, 2019, 4, 645-651.	1.2	12
13	Instantaneous Response and Mutual Interaction between Wind Turbine and Flow. Journal of Physics: Conference Series, 2018, 1037, 072011.	0.3	2
14	The turbulence scales of a wind turbine wake: A revisit of extended k-epsilon models. Journal of Physics: Conference Series, 2018, 1037, 072001.	0.3	15
15	How does turbulence change approaching a rotor?. Wind Energy Science, 2018, 3, 293-300.	1.2	17
16	Free-flow wind speed from aÂblade-mounted flow sensor. Wind Energy Science, 2018, 3, 121-138.	1.2	1
17	Turbulence and entrainment length scales in large wind farms. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160107.	1.6	35
18	Effects of wind turbine wake on atmospheric sound propagation. Applied Acoustics, 2017, 122, 51-61.	1.7	32

#	ARTICLE	IF	CITATIONS
19	Simulation of the flow past a circular cylinder using an unsteady panel method. Applied Mathematical Modelling, 2017, 44, 206-222.	2.2	11
20	Performance and Equivalent Loads of Wind Turbines in Large Wind Farms. Journal of Physics: Conference Series, 2017, 854, 012001.	0.3	5
21	Wind Farm Wake: The 2016 Horns Rev Photo Case. Energies, 2017, 10, 317.	1.6	32
22	Simulations of the flow past a cylinder using an unsteady double wake model. AIP Conference Proceedings, 2016, , .	0.3	0
23	DeRisk â€" Accurate Prediction of ULS Wave Loads. Outlook and First Results. Energy Procedia, 2016, 94, 379-387.	1.8	24
24	Validation of four LES and a vortex model against stereo-PIV measurements in the near wake of an actuator disc and a wind turbine. Renewable Energy, 2016, 94, 510-523.	4.3	44
25	Wind Turbine Noise Propagation Modelling: An Unsteady Approach. Journal of Physics: Conference Series, 2016, 753, 022003.	0.3	8
26	Statistics of LES Simulations of Large Wind Farms. Journal of Physics: Conference Series, 2016, 753, 032002.	0.3	4
27	Investigating Coherent Structures in the Standard Turbulence Models using Proper Orthogonal Decomposition. Journal of Physics: Conference Series, 2016, 753, 032040.	0.3	5
28	Quantifying variability of Large Eddy Simulations of very large wind farms. Journal of Physics: Conference Series, 2015, 625, 012027.	0.3	17
29	Simulation of wind turbine wakes using the actuator line technique. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140071.	1.6	119
30	Reduced order model of the inherent turbulence of wind turbine wakes inside an infinitely long row of turbines. Journal of Physics: Conference Series, 2014, 555, 012005.	0.3	11
31	Comparison between PIV measurements and computations of the near-wake of an actuator disc. Journal of Physics: Conference Series, 2014, 524, 012173.	0.3	2
32	Comparison of Engineering Wake Models with CFD Simulations. Journal of Physics: Conference Series, 2014, 524, 012161.	0.3	23
33	Simulation of the inherent turbulence and wake interaction inside an infinitely long row of wind turbines. Journal of Turbulence, 2013, 14, 1-24.	0.5	36
34	Validation of Aeroelastic Actuator Line for Wind Turbine Modelling in Complex Flows. Frontiers in Energy Research, 0, 10, .	1.2	5