Jens N SÃ¸rensen

List of Publications by Year
in descending order

214 papers	9,088 citations	47006 47 h-index	45317 90 g-index
231 all docs	231 docs citations	231 times ranked	3454 citing authors

#	Article	IF	Citations
1	Wind turbine wake aerodynamics. Progress in Aerospace Sciences, 2003, 39, 467-510.	12.1	1,003
2	Numerical Modeling of Wind Turbine Wakes. Journal of Fluids Engineering, Transactions of the ASME, 2002, 124, 393-399.	1.5	842
3	State of the art in wind turbine aerodynamics and aeroelasticity. Progress in Aerospace Sciences, 2006, 42, 285-330.	12.1	579
4	Tip loss corrections for wind turbine computations. Wind Energy, 2005, 8, 457-475.	4.2	325
5	Aerodynamic Aspects of Wind Energy Conversion. Annual Review of Fluid Mechanics, 2011, 43, 427-448.	25.0	217
6	Numerical simulations of wake characteristics of a wind turbine in uniform inflow. Wind Energy, 2010, 13, 86-99.	4.2	205
7	A method to avoid negative damped low frequent tower vibrations for a floating, pitch controlled wind turbine. Journal of Physics: Conference Series, 2007, 75, 012073.	0.4	187
8	Long-term research challenges in wind energy â€“ a research agenda by the European Academy of Wind Energy. Wind Energy Science, 2016, 1, 1-39.	3.3	162
9	Stability of helical tip vortices in a rotor far wake. Journal of Fluid Mechanics, 2007, 576, 1-25.	3.4	161
10	Analysis of wake states by a fullâ€field actuator disc model. Wind Energy, 1998, 1, 73-88.	4.2	146
11	Unsteady actuator disc model for horizontal axis wind turbines. Journal of Wind Engineering and Industrial Aerodynamics, 1992, 39, 139-149.	3.9	142
12	Shape optimization of wind turbine blades. Wind Energy, 2009, 12, 781-803.	4.2	140
13	Stability analysis of the tip vortices of a wind turbine. Wind Energy, 2010, 13, 705-715.	4.2	136
14	Mutual inductance instability of the tip vortices behind a wind turbine. Journal of Fluid Mechanics, 2014, 755, 705-731.	3.4	132
15	Numerical simulations of wake interaction between two wind turbines at various inflow conditions. Wind Energy, 2011, 14, 859-876.	4.2	126
16	Simulation of wind turbine wakes using the actuator line technique. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140071.	3.4	119
17	A simple atmospheric boundary layer model applied to large eddy simulations of wind turbine wakes. Wind Energy, 2014, 17, 657-669.	4.2	115
18	A model for unsteady rotor aerodynamics. Journal of Wind Engineering and Industrial Aerodynamics, 1995, 58, 259-275.	3.9	113

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19	Actuator Line Simulation of Wake of Wind Turbine Operating in Turbulent Inflow. Journal of Physics: Conference Series, 2007, 75, 012063.	0.4	113
20	Largeâ€eddy simulations of the Lillgrund wind farm. Wind Energy, 2015, 18, 449-467.	4.2	108
21	The Actuator Surface Model: A New Navierâ€“Stokes Based Model for Rotor Computations. Journal of Solar Energy Engineering, Transactions of the ASME, 2009, 131, .	1.8	102
22	Actuator line/Navierâ€“Stokes computations for the MEXICO rotor: comparison with detailed measurements. Wind Energy, 2012, 15, 811-825.	4.2	102
23	Improved Rhie-Chow Interpolation for Unsteady Flow Computations. AIAA Journal, 2001, 39, 2406-2409.	2.6	100
24	Maximum efficiency of wind turbine rotors using Joukowsky and Betz approaches. Journal of Fluid Mechanics, 2010, 649, 497-508.	3.4	83
25	Evaluation of Proper Orthogonal Decomposition–Based Decomposition Techniques Applied to Parameter-Dependent Nonturbulent Flows. SIAM Journal of Scientific Computing, 1999, 21, 1419-1434.	2.8	82
26	Analysis of numerically generated wake structures. Wind Energy, 2009, 12, 63-80.	4.2	81
27	Modeling of Aerodynamically Generated Noise From Wind Turbines. Journal of Solar Energy Engineering, Transactions of the ASME, 2005, 127, 517-528.	1.8	79
28	Aeroacoustic Modelling of Low-Speed Flows. Theoretical and Computational Fluid Dynamics, 1999, 13, 271-289.	2.2	78
29	Tip Loss Correction for Actuator/Navierâ€“Stokes Computations. Journal of Solar Energy Engineering, Transactions of the ASME, 2005, 127, 209-213.	1.8	78
30	Determination of the angle of attack on rotor blades. Wind Energy, 2009, 12, 91-98.	4.2	78
31	A regular Strouhal number for large-scale instability in the far wake of a rotor. Journal of Fluid Mechanics, 2014, 747, 369-380.	3.4	77
32	Refined Betz limit for rotors with a finite number of blades. Wind Energy, 2008, 11, 415-426.	4.2	74
33	The rotor theories by Professor Joukowsky: Vortex theories. Progress in Aerospace Sciences, 2015, 73, 19-46.	12.1	74
34	Topology of vortex breakdown bubbles in a cylinder with a rotating bottom and a free surface. Journal of Fluid Mechanics, 2001, 428, 133-148.	3.4	71
35	Assessment of blockage effects on the wake characteristics and power of wind turbines. Renewable Energy, 2016, 93, 340-352.	8.9	71
36	General Momentum Theory for Horizontal Axis Wind Turbines. Research Topics in Wind Energy, 2016, , .	0.2	68

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37	Instability of helical tip vortices in rotor wakes. Journal of Fluid Mechanics, 2011, 682, 1-4.	3.4	66
38	Comment on the Aeroacoustic Formulation of Hardin and Pope. AIAA Journal, 1999, 37, 141-143.	2.6	65
39	A new wake model and comparison of eight algorithms for layout optimization of wind farms in complex terrain. Applied Energy, 2020, 259, 114189.	10.1	65
40	Role of subgrid-scale modeling in large eddy simulation of wind turbine wake interactions. Renewable Energy, 2015, 77, 386-399.	8.9	62
41	Streamline topology of steady axisymmetric vortex breakdown in a cylinder with co- and counter-rotating end-covers. Journal of Fluid Mechanics, 1999, 401, 275-292.	3.4	60
42	Modelling and analysis of the flow field around a coned rotor. Wind Energy, 2001, 4, 121-135.	4.2	57
43	A survey of modelling methods for high-fidelity wind farm simulations using large eddy simulation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160097.	3.4	55
44	An Analytical Model for the Effect of Vertical Wind Veer on Wind Turbine Wakes. Energies, 2018, 11, 1838.	3.1	55
45	Comparison of four large-eddy simulation research codes and effects of model coefficient and inflow turbulence in actuator-line-based wind turbine modeling. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	54
46	Rotor theories by Professor Joukowsky: Momentum theories. Progress in Aerospace Sciences, 2015, 73, 1-18.	12.1	52
47	Experimental investigation of three-dimensional flow instabilities in a rotating lid-driven cavity. Experiments in Fluids, 2006, 41, 425-440.	2.4	51
48	AN IMPROVED SIMPLEC METHOD ON COLLOCATED GRIDS FOR STEADY AND UNSTEADY FLOW COMPUTATIONS. Numerical Heat Transfer, Part B: Fundamentals, 2003, 43, 221-239.	0.9	48
49	General momentum theory for wind turbines at low tip speed ratios. Wind Energy, 2011, 14, 821-839.	4.2	48
50	Analysis of the sodium recirculation theory of soluteâ€coupled water transport in small intestine. Journal of Physiology, 2002, 542, 33-50.	2.9	46
51	Analysis of Power Enhancement for a Row of Wind Turbines Using the Actuator Line Technique. Journal of Physics: Conference Series, 2007, 75, 012044.	0.4	45
52	Integrated airfoil and blade design method for large wind turbines. Renewable Energy, 2014, 70, 172-183.	8.9	45
53	A Detailed investigation of the Blade Element Momentum (BEM) model based on analytical and numerical results and proposal for modifications of the BEM model. Journal of Physics: Conference Series, 2007, 75, 012016.	0.4	44
54	Pre-inoculation with arbuscular mycorrhizal fungi increases early nutrient concentration and growth of field-grown leeks under high productivity conditions. Plant and Soil, 2008, 307, 135-147.	3.7	43

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55	Validation of the actuator line method using near wake measurements of the MEXICO rotor. Wind Energy, 2015, 18, 499-514.	4.2	42
56	Multiple helical modes of vortex breakdown. Journal of Fluid Mechanics, 2011, 683, 430-441.	3.4	40
57	Quasi-3D Navierâ€“Stokes Model for a Rotating Airfoil. Journal of Computational Physics, 1999, 150, 518-548.	3.8	38
58	Low-Dimensional Modeling of a Driven Cavity Flow with Two Free Parameters. Theoretical and Computational Fluid Dynamics, 2003, 16, 299-317.	2.2	38
59	Prediction and Reduction of Noise from a 2.3 MW Wind Turbine. Journal of Physics: Conference Series, 2007, 75, 012083.	0.4	37
60	Three-dimensional viscous-inviscid coupling method for wind turbine computations. Wind Energy, 2016, 19, 67-93.	4.2	37
61	Wall Correction Model for Wind Tunnels with Open Test Section. AIAA Journal, 2006, 44, 1890-1894.	2.6	36
62	Simulation of the inherent turbulence and wake interaction inside an infinitely long row of wind turbines. Journal of Turbulence, 2013, 14, 1-24.	1.4	36
63	Turbulence and entrainment length scales in large wind farms. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160107.	3.4	35
64	Wind turbine noise generation and propagation modeling at DTU Wind Energy: A review. Renewable and Sustainable Energy Reviews, 2018, 88, 133-150.	16.4	35
65	High-order axisymmetric Navier-Stokes code: Description and evaluation of boundary conditions. International Journal for Numerical Methods in Fluids, 1989, 9, 1517-1537.	1.6	34
66	A Mathematical Model of Solute Coupled Water Transport in Toad Intestine Incorporating Recirculation of the Actively Transported Solute. Journal of General Physiology, 2000, 116, 101-124.	1.9	34
67	Proton Pump Activity of Mitochondria-rich Cells. Journal of General Physiology, 1997, 109, 73-91.	1.9	33
68	The lateral intercellular space as osmotic coupling compartment in isotonic transport. Acta Physiologica, 2009, 195, 171-186.	3.8	33
69	Far-wake meandering induced by atmospheric eddies in flow past a wind turbine. Journal of Fluid Mechanics, 2018, 846, 190-209.	3.4	33
70	Analysis of Counter-Rotating Wind Turbines. Journal of Physics: Conference Series, 2007, 75, 012003.	0.4	32
71	A strong viscous-inviscid interaction model for rotating airfoils. Wind Energy, 2014, 17, 1957-1984.	4.2	32
72	Experimental and numerical results on three-dimensional instabilities in a rotating diskâ€“tall cylinder flow. Physics of Fluids, 2009, 21, 054102.	4.0	31

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73	Aeroacoustic Modeling of Turbulent Airfoil Flows. AIAA Journal, 2001, 39, 1057-1064.	2.6	28
74	A collocated grid finite volume method for aeroacoustic computations of low-speed flows. Journal of Computational Physics, 2004, 196, 348-366.	3.8	28
75	A new tip correction for actuator line computations. Wind Energy, 2020, 23, 148-160.	4.2	28
76	A numerical study of the stabilitiy of helical vortices using vortex methods. Journal of Physics: Conference Series, 2007, 75, 012034.	0.4	24
77	The influence of imperfections on the flow structure of steady vortex breakdown bubbles. Journal of Fluid Mechanics, 2007, 578, 453-466.	3.4	23
78	Control of vortex breakdown in a closed cylinder with a small rotating rod. Journal of Fluids and Structures, 2008, 24, 1278-1283.	3.4	23
79	Aeroacoustic Computations for Turbulent Airfoil Flows. AIAA Journal, 2009, 47, 1518-1527.	2.6	23
80	Comparison of Engineering Wake Models with CFD Simulations. Journal of Physics: Conference Series, 2014, 524, 012161.	0.4	23
81	Analytical body forces in numerical actuator disc model of wind turbines. Renewable Energy, 2020, 147, 2259-2271.	8.9	23
82	An ideal wind turbine with a finite number of blades. Doklady Physics, 2008, 53, 337-342.	0.7	22
83	Applications of 2D helical vortex dynamics. Theoretical and Computational Fluid Dynamics, 2010, 24, 395-401.	2.2	22
84	Validation of a three-dimensional viscousâ€“inviscid interactive solver for wind turbine rotors. Renewable Energy, 2014, 70, 78-92.	8.9	20
85	Wake effect on a uniform flow behind wind-turbine model. Journal of Physics: Conference Series, 2015, 625, 012011.	0.4	20
86	Uncertainty budget for final assay of a pharmaceutical product based on RPâ€“HPLC. Accreditation and Quality Assurance, 2003, 8, 225-230.	0.8	19
87	Study of tip loss corrections using CFD rotor computations. Journal of Physics: Conference Series, 2014, 555, 012094.	0.4	19
88	Prediction of Laminar/Turbulent Transition in Airfoil Flows. Journal of Aircraft, 1999, 36, 731-734.	2.4	18
89	Fully Coupled Three-Dimensional Dynamic Response of a Tension-Leg Platform Floating Wind Turbine in Waves and Wind. Journal of Offshore Mechanics and Arctic Engineering, 2014, 136, .	1.2	18
90	Control of confined vortex breakdown with partial rotating lids. Journal of Fluid Mechanics, 2014, 738, 5-33.	3.4	18

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91	Numerical Computations of Wind Turbine Wakes. , 2007, , 259-263.		17
92	PIV and LDA measurements of the wake behind a wind turbine model. Journal of Physics: Conference Series, 2014, 524, 012168.	0.4	17
93	Quantifying variability of Large Eddy Simulations of very large wind farms. Journal of Physics: Conference Series, 2015, 625, 012027.	0.4	17
94	Improvement of airfoil trailing edge bluntness noise model. Advances in Mechanical Engineering, 2016, 8, 168781401662934.	1.6	17
95	Power Properties of Two Interacting Wind Turbine Rotors. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	2.3	17
96	Vortex scenario and bubble generation in a cylindrical cavity with rotating top and bottom. European Journal of Mechanics, B/Fluids, 2005, 24, 137-148.	2.5	16
97	Hybrid Immersed Boundary Method for Airfoils with a Trailing-Edge Flap. AIAA Journal, 2013, 51, 30-41.	2.6	16
98	The self-induced motion of a helical vortex. Journal of Fluid Mechanics, 2020, 883, .	3.4	16
99	Highâ€order numerical simulations of flowâ€induced noise. International Journal for Numerical Methods in Fluids, 2011, 66, 17-37.	1.6	15
100	Optimizing wind energy conversion efficiency with respect to noise: A study on multi-criteria wind farm layout design. Renewable Energy, 2020, 159, 468-485.	8.9	15
101	Fluid transport and ion fluxes in mammalian kidney proximal tubule: a model analysis of isotonic transport. Acta Physiologica, 2006, 187, 177-189.	3.8	14
102	A Minimalistic Prediction Model to Determine Energy Production and Costs of Offshore Wind Farms. Energies, 2021, 14, 448.	3.1	14
103	Simulation of inhomogeneous, non-stationary and non-Gaussian turbulent winds. Journal of Physics: Conference Series, 2007, 75, 012060.	0.4	13
104	Extraction of airfoil data using PIV and pressure measurements. Wind Energy, 2011, 14, 539-556.	4.2	13
105	Helical self-similarity of tip vortex cores. Journal of Fluid Mechanics, 2019, 859, 1084-1097.	3.4	13
106	Global trends in the performance of large wind farms based on high-fidelity simulations. Wind Energy Science, 2020, 5, 1689-1703.	3.3	12
107	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.	0.4	11
108	Simulation of the flow past a circular cylinder using an unsteady panel method. Applied Mathematical Modelling, 2017, 44, 206-222.	4.2	11

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109	Vorticity-velocity formulation of the 3D Navier-Stokes equations in cylindrical co-ordinates. International Journal for Numerical Methods in Fluids, 2003, 41, 29-45.	1.6	10
110	Vortex breakdown generated by off-axis bifurcation in a cylinder with rotating covers. Acta Mechanica, 2006, 187, 75-83.	2.1	10
111	Servo-Elastic Dynamics of a Hydraulic Actuator Pitching a Blade with Large Deflections. Journal of Physics: Conference Series, 2007, 75, 012077.	0.4	10
112	Aerodynamic behaviour of NREL S826 airfoil at Re=100,000. Journal of Physics: Conference Series, 2014, 524, 012027.	0.4	10
113	A refined tip correction based on decambering. Wind Energy, 2016, 19, 787-802.	4.2	10
114	Experimental and numerical investigation of the performance of vortex generators on separation control. Journal of Physics: Conference Series, 2007, 75, 012030.	0.4	9
115	Wake Meandering - An Analysis of Instantaneous 2D Laser Measurements. Journal of Physics: Conference Series, 2007, 75, 012059.	0.4	9
116	A CFD model of the wake of an offshore wind farm: using a prescribed wake inflow. Journal of Physics: Conference Series, 2007, 75, 012047.	0.4	9
117	CFDâ€“RANS analysis of the rotational effects on the boundary layer of wind turbine blades. Journal of Physics: Conference Series, 2007, 75, 012031.	0.4	9
118	Fully Consistent SIMPLE-Like Algorithms on Collocated Grids. Numerical Heat Transfer, Part B: Fundamentals, 2015, 67, 101-123.	0.9	9
119	Experimental Investigation of Static Stall Hysteresis and 3-Dimensional Flow Structures for an NREL S826 Wing Section of Finite Span. Energies, 2018, 11, 1418.	3.1	9
120	Laminarâ€turbulent transition detection on airfoils by highâ€frequency microphone measurements. Wind Energy, 2019, 22, 1356-1370.	4.2	9
121	Sensitivity of Key Parameters in Aerodynamic Wind Turbine Rotor Design on Power and Energy Performance. Journal of Physics: Conference Series, 2007, 75, 012008.	0.4	8
122	A Dynamic Stall Model for Airfoils with Deformable Trailing Edges. Journal of Physics: Conference Series, 2007, 75, 012028.	0.4	8
123	Control of vortex breakdown in a closed cylinder with a rotating lid. Theoretical and Computational Fluid Dynamics, 2010, 24, 483-496.	2.2	8
124	Investigation of modified AD/RANS models for wind turbine wake predictions in large wind farm. Journal of Physics: Conference Series, 2014, 524, 012151.	0.4	8
125	Determination of Wind Turbine Near-Wake Length Based on Stability Analysis. Journal of Physics: Conference Series, 2014, 524, 012155.	0.4	8
126	Development of a CFD-Based Wind Turbine Rotor Optimization Tool in Considering Wake Effects. Applied Sciences (Switzerland), 2018, 8, 1056.	2.5	8

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127	Instability of a vortex wake behind wind turbines. Doklady Physics, 2004, 49, 772-777.	0.7	7
128	Numerical study of swirling flow in a cylinder with rotating top and bottom. Physics of Fluids, 2006, 18, 064102.	4.0	7
129	Optimum operating regimes for the ideal wind turbine. Journal of Physics: Conference Series, 2007, 75, 012009.	0.4	7
130	Laser measurements of flow over a forest. Journal of Physics: Conference Series, 2007, 75, 012057.	0.4	7
131	A New Tip Correction Based on the Decambering Approach. Journal of Physics: Conference Series, 2014, 524, 012097.	0.4	7
132	Comparison of two LES codes for wind turbine wake studies. Journal of Physics: Conference Series, 2014, 524, 012145.	0.4	7
133	Experimental investigation of the wake behind a model of wind turbine in a water flume. Journal of Physics: Conference Series, 2014, 555, 012080.	0.4	7
134	Wake interaction and power production of variable height model wind farms. Journal of Physics: Conference Series, 2014, 524, 012169.	0.4	7
135	Experiments on line arrays of horizontal-axis hydroturbines. Renewable Energy, 2021, 163, 15-21.	8.9	7
136	A Quantitative Comparison of Aeroelastic Computations using Flex5 and Actuator Methods in LES. Journal of Physics: Conference Series, 2021, 1934, 012014.	0.4	7
137	Alternation of the right-and left-handed helical vortices caused by increased flow swirling in a cylindrical cavity with rotating lids. Technical Physics Letters, 2002, 28, 55-58.	0.7	6
138	Inviscid double wake model for stalled airfoils. Journal of Physics: Conference Series, 2014, 524, 012132.	0.4	6
139	Analysis of throw distances of detached objects from horizontal-axis wind turbines. Wind Energy, 2016, 19, 151-166.	4.2	6
140	PIV Measurements of Turbulent and Chaotic Structures in a Rotating Flow Using an Optical Correlator. , 1993, , 243-256.		6
141	Aerodynamics and Characteristics of a Spinner Anemometer. Journal of Physics: Conference Series, 2007, 75, 012018.	0.4	5
142	The wind profile up to 300 meters over flat terrain. Journal of Physics: Conference Series, 2007, 75, 012066.	0.4	5
143	RigidMATLABdrivetrain model of a 500â€‰kW wind turbine for predicting maximum gear tooth stresses in a planetary gearbox using multibody gear constraints. Wind Energy, 2014, 17, 1659-1676.	4.2	5
144	Lowâ€Noise Airfoil and Wind Turbine Design. , 0, , .		5

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145	URANS simulations of separated flow with stall cells over an NREL S826 airfoil. AIP Conference Proceedings, 2016, , .	0.4	5
146	Performance and wake conditions of a rotor located in the wake of an obstacle. Journal of Physics: Conference Series, 2016, 753, 032051.	0.4	5
147	Performance and Equivalent Loads of Wind Turbines in Large Wind Farms. Journal of Physics: Conference Series, 2017, 854, 012001.	0.4	5
148	Stationary and Nonstationary Ion and Water Flux Interactions in Kidney Proximal Tubule: Mathematical Analysis of Isosmotic Transport by a Minimalistic Model. Reviews of Physiology, Biochemistry and Pharmacology, 2019, 177, 101-147.	1.6	5
149	Validation of analytical body force model for actuator disc computations. Journal of Physics: Conference Series, 2020, 1618, 052051.	0.4	5
150	Self-organized vortex multiplets in swirling flow. Technical Physics Letters, 2008, 34, 675-678.	0.7	5
151	Validation of Aeroelastic Actuator Line for Wind Turbine Modelling in Complex Flows. Frontiers in Energy Research, 0, 10, .	2.3	5
152	Aero-Acoustic Modelling using Large Eddy Simulation. Journal of Physics: Conference Series, 2007, 75, 012085.	0.4	4
153	Numerical analysis of the tip and root vortex position in the wake of a wind turbine. Journal of Physics: Conference Series, 2007, 75, 012035.	0.4	4
154	Skill forecasting from different wind power ensemble prediction methods. Journal of Physics: Conference Series, 2007, 75, 012046.	0.4	4
155	Full scale experimental analysis of extreme coherent gust with wind direction changes (EOD). Journal of Physics: Conference Series, 2007, 75, 012055.	0.4	4
156	Two scenarios of the development of instability in intense swirling flow. Technical Physics Letters, 2007, 33, 775-778.	0.7	4
157	Fully Coupled Three-Dimensional Dynamic Response of a TLP Floating Wind Turbine in Waves and Wind. , 2012, , .		4
158	Aerodynamic Analysis of Wind Turbines. , 2012, , 225-241.		4
159	Numerical Investigation of Flow Control Feasibility with a Trailing Edge Flap. Journal of Physics: Conference Series, 2014, 524, 012102.	0.4	4
160	Comparison between experiments and Large-Eddy Simulations of tip spiral structure and geometry. Journal of Physics: Conference Series, 2015, 625, 012018.	0.4	4
161	Comparison of classical methods for blade design and the influence of tip correction on rotor performance. Journal of Physics: Conference Series, 2016, 753, 022020.	0.4	4
162	Statistics of LES Simulations of Large Wind Farms. Journal of Physics: Conference Series, 2016, 753, 032002.	0.4	4

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163	Verification of a novel innovative blade root design for wind turbines using a hybrid numerical method. Energy, 2017, 141, 1661-1670.	8.8	4
164	Blade-Element/Momentum Theory. Research Topics in Wind Energy, 2016, , 99-121.	0.2	4
165	Unsteady Double Wake Model for the Simulation of Stalled Airfoils. Journal of Power and Energy Engineering, 2015, 03, 20-25.	0.6	4
166	Large eddy simulation of atmospheric boundary layer over wind farms using a prescribed boundary layer approach. AIP Conference Proceedings, 2012, , .	0.4	3
167	Fully consistent CFD methods for incompressible flow computations. Journal of Physics: Conference Series, 2014, 524, 012128.	0.4	3
168	A quasi-3D viscous-inviscid interaction code:Q3UIC. Journal of Physics: Conference Series, 2014, 555, 012041.	0.4	3
169	Simulations of the Yawed MEXICO Rotor Using a Viscous-Inviscid Panel Method. Journal of Physics: Conference Series, 2014, 524, 012026.	0.4	3
170	Aerodynamic effect of icing/rain impacts on super-hydrophobic surfaces. AIP Conference Proceedings, 2018, , .	0.4	3
171	Development of an Efficient Numerical Method for Wind Turbine Flow, Sound Generation, and Propagation under Multi-Wake Conditions. Applied Sciences (Switzerland), 2019, 9, 100.	2.5	3
172	The Aerodynamics of Wind Turbines. , 2013, , 231-247.		3
173	Influence of nano- and micro-roughness on vortex generations of mixing flows in a cavity. Physics of Fluids, 2022, 34, 032005.	4.0	3
174	Faster wind farm AEP calculations with CFD using a generalized wind turbine model. Journal of Physics: Conference Series, 2022, 2265, 022030.	0.4	3
175	Vortex triplet. Doklady Physics, 2006, 51, 388-392.	0.7	2
176	3D boundary layer study on a rotating wind turbine blade. Journal of Physics: Conference Series, 2007, 75, 012032.	0.4	2
177	Investigation of load prediction on the Mexico rotor using the technique of determination of the angle of attack. Chinese Journal of Mechanical Engineering (English Edition), 2012, 25, 506-514.	3.7	2
178	Comparison between PIV measurements and computations of the near-wake of an actuator disc. Journal of Physics: Conference Series, 2014, 524, 012173.	0.4	2
179	Large Eddy Simulation of Wind Turbine Wakes in Prescribed Neutral and Non-Neutral Atmospheric Boundary Layers. Journal of Physics: Conference Series, 2014, 555, 012087.	0.4	2
180	Rotor aerodynamic power limits at low tip speed ratio using CFD. Journal of Physics: Conference Series, 2014, 524, 012099.	0.4	2

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181	Instantaneous Response and Mutual Interaction between Wind Turbine and Flow. Journal of Physics: Conference Series, 2018, 1037, 072011.	0.4	2
182	Wakes and wake interaction between rotors and discs in an experimental model array. Journal of Physics: Conference Series, 2019, 1256, 012013.	0.4	2
183	Modeling of the Far Wake behind a Wind Turbine. , 2007, , 245-248.		2
184	Analytical and numerical solutions to classical rotor designs. Progress in Aerospace Sciences, 2022, 130, 100793.	12.1	2
185	Early bifurcation in rotating fluid flow with free surface studied by axisymmetric numerical simulations. Physics of Fluids, 1996, 8, 3057-3062.	4.0	1
186	Viscous-Inviscid Interaction Using the Navier-Stokes Equations. AIAA Journal, 1997, 35, 1464-1471.	2.6	1
187	Computational Aero-Acoustic Using High-order Finite-Difference Schemes. Journal of Physics: Conference Series, 2007, 75, 012084.	0.4	1
188	Wind turbine wakes and wind farm aerodynamics. , 2011, , 112-e131.		1
189	Airfoil data sensitivity analysis for actuator disc simulations used in wind turbine applications. Journal of Physics: Conference Series, 2014, 524, 012135.	0.4	1
190	Extension of Goldstein's circulation function for optimal rotors with hub. Journal of Physics: Conference Series, 2016, 753, 022018.	0.4	1
191	Comparison of the far wake behind dual rotor and dual disk configurations. Journal of Physics: Conference Series, 2016, 753, 032060.	0.4	1
192	Wake developments behind different configurations of passive disks and active rotors. Journal of Physics: Conference Series, 2017, 854, 012035.	0.4	1
193	Self-similarity and helical symmetry of various vortex wakes. AIP Conference Proceedings, 2018, , .	0.4	1
194	Ion and Water Absorption by the Kidney Proximal Tubule: Computational Analysis of Isosmotic Transport. Function, 2020, 1, zqaa014.	2.3	1
195	Direct and large eddy simulations of thermo-convective flows. Lecture Notes in Computer Science, 1996, , 631-640.	1.3	1
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