

Jens N SÃ¸rensen

List of Publications by Year in descending order

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214
papers

9,088
citations

47006

47
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45317

90
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231
all docs

231
docs citations

231
times ranked

3454
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical and numerical solutions to classical rotor designs. Progress in Aerospace Sciences, 2022, 130, 100793.	12.1	2
2	Influence of nano- and micro-roughness on vortex generations of mixing flows in a cavity. Physics of Fluids, 2022, 34, 032005.	4.0	3
3	Faster wind farm AEP calculations with CFD using a generalized wind turbine model. Journal of Physics: Conference Series, 2022, 2265, 022030.	0.4	3
4	Analysis and Validation of Glauert Rotor Design. Journal of Physics: Conference Series, 2022, 2265, 032047.	0.4	1
5	Experiments on line arrays of horizontal-axis hydroturbines. Renewable Energy, 2021, 163, 15-21.	8.9	7
6	A Minimalistic Prediction Model to Determine Energy Production and Costs of Offshore Wind Farms. Energies, 2021, 14, 448.	3.1	14
7	Production and Cost Assessment of Offshore Wind Power in the North Sea. Journal of Physics: Conference Series, 2021, 1934, 012019.	0.4	0
8	A Quantitative Comparison of Aeroelastic Computations using Flex5 and Actuator Methods in LES. Journal of Physics: Conference Series, 2021, 1934, 012014.	0.4	7
9	Aerodynamic Analysis of Wind Turbines. , 2021, , .		1
10	Analytical body forces in numerical actuator disc model of wind turbines. Renewable Energy, 2020, 147, 2259-2271.	8.9	23
11	A new tip correction for actuator line computations. Wind Energy, 2020, 23, 148-160.	4.2	28
12	The self-induced motion of a helical vortex. Journal of Fluid Mechanics, 2020, 883, .	3.4	16
13	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
14	Ion and Water Absorption by the Kidney Proximal Tubule: Computational Analysis of Isosmotic Transport. Function, 2020, 1, zqaa014.	2.3	1
15	Validation of analytical body force model for actuator disc computations. Journal of Physics: Conference Series, 2020, 1618, 052051.	0.4	5
16	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
17	Global trends in the performance of large wind farms based on high-fidelity simulations. Wind Energy Science, 2020, 5, 1689-1703.	3.3	12
18	Laminar-turbulent transition detection on airfoils by high-frequency microphone measurements. Wind Energy, 2019, 22, 1356-1370.	4.2	9

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19	Wakes and wake interaction between rotors and discs in an experimental model array. Journal of Physics: Conference Series, 2019, 1256, 012013.	0.4	2
20	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
21	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
22	Helical self-similarity of tip vortex cores. Journal of Fluid Mechanics, 2019, 859, 1084-1097.	3.4	13
23	Wind Turbine Wakes in Directionally Varying Wind Shears. Springer Proceedings in Physics, 2019, , 311-316.	0.2	1
24	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
25	Self-similarity and helical symmetry of various vortex wakes. AIP Conference Proceedings, 2018, , .	0.4	1
26	Development and interaction of rotor wakes. Journal of Physics: Conference Series, 2018, 1037, 072045.	0.4	0
27	Instantaneous Response and Mutual Interaction between Wind Turbine and Flow. Journal of Physics: Conference Series, 2018, 1037, 072011.	0.4	2
28	Aerodynamic effect of icing/rain impacts on super-hydrophobic surfaces. AIP Conference Proceedings, 2018, , .	0.4	3
29	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
30	An Analytical Model for the Effect of Vertical Wind Veer on Wind Turbine Wakes. Energies, 2018, 11, 1838.	3.1	55
31	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
32	Far-wake meandering induced by atmospheric eddies in flow past a wind turbine. Journal of Fluid Mechanics, 2018, 846, 190-209.	3.4	33
33	Development of a CFD-Based Wind Turbine Rotor Optimization Tool in Considering Wake Effects. Applied Sciences (Switzerland), 2018, 8, 1056.	2.5	8
34	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
35	Turbulence and entrainment length scales in large wind farms. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160107.	3.4	35
36	An influence of the different incoming wake-like flows on the rotor vibrations. Journal of Physics: Conference Series, 2017, 854, 012034.	0.4	0

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37	Wake developments behind different configurations of passive disks and active rotors. Journal of Physics: Conference Series, 2017, 854, 012035.	0.4	1
38	Power Properties of Two Interacting Wind Turbine Rotors. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	2.3	17
39	Simulation of the flow past a circular cylinder using an unsteady panel method. Applied Mathematical Modelling, 2017, 44, 206-222.	4.2	11
40	Performance and Equivalent Loads of Wind Turbines in Large Wind Farms. Journal of Physics: Conference Series, 2017, 854, 012001.	0.4	5
41	Verification of a novel innovative blade root design for wind turbines using a hybrid numerical method. Energy, 2017, 141, 1661-1670.	8.8	4
42	Extension of Goldstein's circulation function for optimal rotors with hub. Journal of Physics: Conference Series, 2016, 753, 022018.	0.4	1
43	A refined tip correction based on decambering. Wind Energy, 2016, 19, 787-802.	4.2	10
44	URANS simulations of separated flow with stall cells over an NREL S826 airfoil. AIP Conference Proceedings, 2016, , .	0.4	5
45	Simulations of the flow past a cylinder using an unsteady double wake model. AIP Conference Proceedings, 2016, , .	0.4	0
46	Analysis of throw distances of detached objects from horizontal-axis wind turbines. Wind Energy, 2016, 19, 151-166.	4.2	6
47	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
48	Comparison of the far wake behind dual rotor and dual disk configurations. Journal of Physics: Conference Series, 2016, 753, 032060.	0.4	1
49	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
50	Statistics of LES Simulations of Large Wind Farms. Journal of Physics: Conference Series, 2016, 753, 032002.	0.4	4
51	Improvement of airfoil trailing edge bluntness noise model. Advances in Mechanical Engineering, 2016, 8, 168781401662934.	1.6	17
52	Three-dimensional viscous-inviscid coupling method for wind turbine computations. Wind Energy, 2016, 19, 67-93.	4.2	37
53	Assessment of blockage effects on the wake characteristics and power of wind turbines. Renewable Energy, 2016, 93, 340-352.	8.9	71
54	General Momentum Theory for Horizontal Axis Wind Turbines. Research Topics in Wind Energy, 2016, , .	0.2	68

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55	Blade-Element/Momentum Theory. Research Topics in Wind Energy, 2016, , 99-121.	0.2	4
56	Long-term research challenges in wind energy – a research agenda by the European Academy of Wind Energy. Wind Energy Science, 2016, 1, 1-39.	3.3	162
57	One-Dimensional Axial Momentum Theory. Research Topics in Wind Energy, 2016, , 9-42.	0.2	1
58	Detailed Analysis of the Joukowsky Model. Research Topics in Wind Energy, 2016, , 75-97.	0.2	0
59	Wake effect on a uniform flow behind wind-turbine model. Journal of Physics: Conference Series, 2015, 625, 012011.	0.4	20
60	Quantifying variability of Large Eddy Simulations of very large wind farms. Journal of Physics: Conference Series, 2015, 625, 012027.	0.4	17
61	Comparison between experiments and Large-Eddy Simulations of tip spiral structure and geometry. Journal of Physics: Conference Series, 2015, 625, 012018.	0.4	4
62	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
63	Fully Consistent SIMPLE-Like Algorithms on Collocated Grids. Numerical Heat Transfer, Part B: Fundamentals, 2015, 67, 101-123.	0.9	9
64	Large-eddy simulations of the Lillgrund wind farm. Wind Energy, 2015, 18, 449-467.	4.2	108
65	Role of subgrid-scale modeling in large eddy simulation of wind turbine wake interactions. Renewable Energy, 2015, 77, 386-399.	8.9	62
66	Validation of the actuator line method using near wake measurements of the MEXICO rotor. Wind Energy, 2015, 18, 499-514.	4.2	42
67	Rotor theories by Professor Joukowsky: Momentum theories. Progress in Aerospace Sciences, 2015, 73, 1-18.	12.1	52
68	The rotor theories by Professor Joukowsky: Vortex theories. Progress in Aerospace Sciences, 2015, 73, 19-46.	12.1	74
69	Unsteady Double Wake Model for the Simulation of Stalled Airfoils. Journal of Power and Energy Engineering, 2015, 03, 20-25.	0.6	4
70	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
71	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
72	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

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73	PIV and LDA measurements of the wake behind a wind turbine model. Journal of Physics: Conference Series, 2014, 524, 012168.	0.4	17
74	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
75	A strong viscous-inviscid interaction model for rotating airfoils. Wind Energy, 2014, 17, 1957-1984.	4.2	32
76	Fully consistent CFD methods for incompressible flow computations. Journal of Physics: Conference Series, 2014, 524, 012128.	0.4	3
77	Mutual inductance instability of the tip vortices behind a wind turbine. Journal of Fluid Mechanics, 2014, 755, 705-731.	3.4	132
78	Validation of a three-dimensional viscousâ€‰inviscid interactive solver for wind turbine rotors. Renewable Energy, 2014, 70, 78-92.	8.9	20
79	A simple atmospheric boundary layer model applied to large eddy simulations of wind turbine wakes. Wind Energy, 2014, 17, 657-669.	4.2	115
80	Control of confined vortex breakdown with partial rotating lids. Journal of Fluid Mechanics, 2014, 738, 5-33.	3.4	18
81	Integrated airfoil and blade design method for large wind turbines. Renewable Energy, 2014, 70, 172-183.	8.9	45
82	A New Tip Correction Based on the Decambering Approach. Journal of Physics: Conference Series, 2014, 524, 012097.	0.4	7
83	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
84	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
85	Inviscid double wake model for stalled airfoils. Journal of Physics: Conference Series, 2014, 524, 012132.	0.4	6
86	Comparison of two LES codes for wind turbine wake studies. Journal of Physics: Conference Series, 2014, 524, 012145.	0.4	7
87	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
88	Airfoil data sensitivity analysis for actuator disc simulations used in wind turbine applications. Journal of Physics: Conference Series, 2014, 524, 012135.	0.4	1
89	Wake interaction and power production of variable height model wind farms. Journal of Physics: Conference Series, 2014, 524, 012169.	0.4	7
90	A quasi-3D viscous-inviscid interaction code:Q3UIC. Journal of Physics: Conference Series, 2014, 555, 012041.	0.4	3

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91	Aerodynamic behaviour of NREL S826 airfoil at Re=100,000. Journal of Physics: Conference Series, 2014, 524, 012027.	0.4	10
92	Rotor aerodynamic power limits at low tip speed ratio using CFD. Journal of Physics: Conference Series, 2014, 524, 012099.	0.4	2
93	Numerical Investigation of Flow Control Feasibility with a Trailing Edge Flap. Journal of Physics: Conference Series, 2014, 524, 012102.	0.4	4
94	Study of tip loss corrections using CFD rotor computations. Journal of Physics: Conference Series, 2014, 555, 012094.	0.4	19
95	Simulations of the Yawed MEXICO Rotor Using a Viscous-Inviscid Panel Method. Journal of Physics: Conference Series, 2014, 524, 012026.	0.4	3
96	Determination of Wind Turbine Near-Wake Length Based on Stability Analysis. Journal of Physics: Conference Series, 2014, 524, 012155.	0.4	8
97	Comparison of Engineering Wake Models with CFD Simulations. Journal of Physics: Conference Series, 2014, 524, 012161.	0.4	23
98	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
99	Hybrid Immersed Boundary Method for Airfoils with a Trailing-Edge Flap. AIAA Journal, 2013, 51, 30-41.	2.6	16
100	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
101	Multigrid technique and Optimized Schwarz method on block-structured grids with discontinuous interfaces. , 2013, , .		0
102	The Aerodynamics of Wind Turbines. , 2013, , 231-247.		3
103	Large eddy simulation of atmospheric boundary layer over wind farms using a prescribed boundary layer approach. AIP Conference Proceedings, 2012, , .	0.4	3
104	Fully Coupled Three-Dimensional Dynamic Response of a TLP Floating Wind Turbine in Waves and Wind. , 2012, , .		4
105	Aerodynamic Analysis of Wind Turbines. , 2012, , 225-241.		4
106	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
107	Actuator line/Navier-Stokes computations for the MEXICO rotor: comparison with detailed measurements. Wind Energy, 2012, 15, 811-825.	4.2	102
108	Aerodynamic Aspects of Wind Energy Conversion. Annual Review of Fluid Mechanics, 2011, 43, 427-448.	25.0	217

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109	Multiple helical modes of vortex breakdown. <i>Journal of Fluid Mechanics</i> , 2011, 683, 430-441.	3.4	40
110	Instability of helical tip vortices in rotor wakes. <i>Journal of Fluid Mechanics</i> , 2011, 682, 1-4.	3.4	66
111	General momentum theory for wind turbines at low tip speed ratios. <i>Wind Energy</i> , 2011, 14, 821-839.	4.2	48
112	Numerical simulations of wake interaction between two wind turbines at various inflow conditions. <i>Wind Energy</i> , 2011, 14, 859-876.	4.2	126
113	Extraction of airfoil data using PIV and pressure measurements. <i>Wind Energy</i> , 2011, 14, 539-556.	4.2	13
114	High-order numerical simulations of flow-induced noise. <i>International Journal for Numerical Methods in Fluids</i> , 2011, 66, 17-37.	1.6	15
115	Wind turbine wakes and wind farm aerodynamics. , 2011, , 112-e131.		1
116	Maximum efficiency of wind turbine rotors using Joukowsky and Betz approaches. <i>Journal of Fluid Mechanics</i> , 2010, 649, 497-508.	3.4	83
117	Applications of 2D helical vortex dynamics. <i>Theoretical and Computational Fluid Dynamics</i> , 2010, 24, 395-401.	2.2	22
118	Control of vortex breakdown in a closed cylinder with a rotating lid. <i>Theoretical and Computational Fluid Dynamics</i> , 2010, 24, 483-496.	2.2	8
119	Numerical simulations of wake characteristics of a wind turbine in uniform inflow. <i>Wind Energy</i> , 2010, 13, 86-99.	4.2	205
120	Stability analysis of the tip vortices of a wind turbine. <i>Wind Energy</i> , 2010, 13, 705-715.	4.2	136
121	Aeroacoustic Computations for Turbulent Airfoil Flows. <i>AIAA Journal</i> , 2009, 47, 1518-1527.	2.6	23
122	Experimental and numerical results on three-dimensional instabilities in a rotating disk-tall cylinder flow. <i>Physics of Fluids</i> , 2009, 21, 054102.	4.0	31
123	Determination of the angle of attack on rotor blades. <i>Wind Energy</i> , 2009, 12, 91-98.	4.2	78
124	Analysis of numerically generated wake structures. <i>Wind Energy</i> , 2009, 12, 63-80.	4.2	81
125	Shape optimization of wind turbine blades. <i>Wind Energy</i> , 2009, 12, 781-803.	4.2	140
126	The lateral intercellular space as osmotic coupling compartment in isotonic transport. <i>Acta Physiologica</i> , 2009, 195, 171-186.	3.8	33

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127	The Actuator Surface Model: A New Navier-Stokes Based Model for Rotor Computations. Journal of Solar Energy Engineering, Transactions of the ASME, 2009, 131, .	1.8	102
128	Applications of 2D helical vortex dynamics. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 411-417.	0.2	0
129	Analysis of time dependent states of solute coupled water transport. FASEB Journal, 2009, 23, 998.7.	0.5	0
130	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
131	Refined Betz limit for rotors with a finite number of blades. Wind Energy, 2008, 11, 415-426.	4.2	74
132	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
133	An ideal wind turbine with a finite number of blades. Doklady Physics, 2008, 53, 337-342.	0.7	22
134	Self-organized vortex multiplets in swirling flow. Technical Physics Letters, 2008, 34, 675-678.	0.7	5
135	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
136	Simulation of inhomogeneous, non-stationary and non-Gaussian turbulent winds. Journal of Physics: Conference Series, 2007, 75, 012060.	0.4	13
137	3D boundary layer study on a rotating wind turbine blade. Journal of Physics: Conference Series, 2007, 75, 012032.	0.4	2
138	Prediction and Reduction of Noise from a 2.3 MW Wind Turbine. Journal of Physics: Conference Series, 2007, 75, 012083.	0.4	37
139	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
140	A numerical study of the stability of helical vortices using vortex methods. Journal of Physics: Conference Series, 2007, 75, 012034.	0.4	24
141	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
142	Numerical Computations of Wind Turbine Wakes. , 2007, , 259-263.		17
143	Experimental and numerical investigation of the performance of vortex generators on separation control. Journal of Physics: Conference Series, 2007, 75, 012030.	0.4	9
144	Wake Meandering - An Analysis of Instantaneous 2D Laser Measurements. Journal of Physics: Conference Series, 2007, 75, 012059.	0.4	9

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145	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
146	Aero-Acoustic Modelling using Large Eddy Simulation. Journal of Physics: Conference Series, 2007, 75, 012085.	0.4	4
147	Aerodynamics and Characteristics of a Spinner Anemometer. Journal of Physics: Conference Series, 2007, 75, 012018.	0.4	5
148	Offshore winds using remote sensing techniques. Journal of Physics: Conference Series, 2007, 75, 012038.	0.4	0
149	The wind profile up to 300 meters over flat terrain. Journal of Physics: Conference Series, 2007, 75, 012066.	0.4	5
150	Computational Aero-Acoustic Using High-order Finite-Difference Schemes. Journal of Physics: Conference Series, 2007, 75, 012084.	0.4	1
151	CFD 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
152	Optimum operating regimes for the ideal wind turbine. Journal of Physics: Conference Series, 2007, 75, 012009.	0.4	7
153	A Dynamic Stall Model for Airfoils with Deformable Trailing Edges. Journal of Physics: Conference Series, 2007, 75, 012028.	0.4	8
154	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
155	Skill forecasting from different wind power ensemble prediction methods. Journal of Physics: Conference Series, 2007, 75, 012046.	0.4	4
156	Servo-Elastic Dynamics of a Hydraulic Actuator Pitching a Blade with Large Deflections. Journal of Physics: Conference Series, 2007, 75, 012077.	0.4	10
157	Oscillatory instability in a closed cylinder with rotating top and bottom. Journal of Physics: Conference Series, 2007, 64, 012012.	0.4	0
158	Full scale experimental analysis of extreme coherent gust with wind direction changes (EOD). Journal of Physics: Conference Series, 2007, 75, 012055.	0.4	4
159	Laser measurements of flow over a forest. Journal of Physics: Conference Series, 2007, 75, 012057.	0.4	7
160	Stability of helical tip vortices in a rotor far wake. Journal of Fluid Mechanics, 2007, 576, 1-25.	3.4	161
161	Actuator Line Simulation of Wake of Wind Turbine Operating in Turbulent Inflow. Journal of Physics: Conference Series, 2007, 75, 012063.	0.4	113
162	Analysis of Counter-Rotating Wind Turbines. Journal of Physics: Conference Series, 2007, 75, 012003.	0.4	32

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163	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
164	The influence of imperfections on the flow structure of steady vortex breakdown bubbles. Journal of Fluid Mechanics, 2007, 578, 453-466.	3.4	23
165	Two scenarios of the development of instability in intense swirling flow. Technical Physics Letters, 2007, 33, 775-778.	0.7	4
166	Modeling of the Far Wake behind a Wind Turbine. , 2007, , 245-248.		2
167	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
168	State of the art in wind turbine aerodynamics and aeroelasticity. Progress in Aerospace Sciences, 2006, 42, 285-330.	12.1	579
169	Vortex triplet. Doklady Physics, 2006, 51, 388-392.	0.7	2
170	Vortex breakdown generated by off-axis bifurcation in a cylinder with rotating covers. Acta Mechanica, 2006, 187, 75-83.	2.1	10
171	Experimental investigation of three-dimensional flow instabilities in a rotating lid-driven cavity. Experiments in Fluids, 2006, 41, 425-440.	2.4	51
172	Numerical study of swirling flow in a cylinder with rotating top and bottom. Physics of Fluids, 2006, 18, 064102.	4.0	7
173	Wall Correction Model for Wind Tunnels with Open Test Section. AIAA Journal, 2006, 44, 1890-1894.	2.6	36
174	Modeling of Aerodynamically Generated Noise From Wind Turbines. Journal of Solar Energy Engineering, Transactions of the ASME, 2005, 127, 517-528.	1.8	79
175	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
176	Tip loss corrections for wind turbine computations. Wind Energy, 2005, 8, 457-475.	4.2	325
177	Tip Loss Correction for Actuator/Navier-Stokes Computations. Journal of Solar Energy Engineering, Transactions of the ASME, 2005, 127, 209-213.	1.8	78
178	Instability of a vortex wake behind wind turbines. Doklady Physics, 2004, 49, 772-777.	0.7	7
179	A collocated grid finite volume method for aeroacoustic computations of low-speed flows. Journal of Computational Physics, 2004, 196, 348-366.	3.8	28
180	Uncertainty budget for final assay of a pharmaceutical product based on RP-HPLC. Accreditation and Quality Assurance, 2003, 8, 225-230.	0.8	19

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181	Low-Dimensional Modeling of a Driven Cavity Flow with Two Free Parameters. Theoretical and Computational Fluid Dynamics, 2003, 16, 299-317.	2.2	38
182	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
183	Wind turbine wake aerodynamics. Progress in Aerospace Sciences, 2003, 39, 467-510.	12.1	1,003
184	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
185	Numerical Modeling of Wind Turbine Wakes. Journal of Fluids Engineering, Transactions of the ASME, 2002, 124, 393-399.	1.5	842
186	Analysis of the sodium recirculation theory of solute-coupled water transport in small intestine. Journal of Physiology, 2002, 542, 33-50.	2.9	46
187	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
188	L-transition from right- to left-handed helical vortices. , 2002, , 55-60.		0
189	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
190	Aeroacoustic Modeling of Turbulent Airfoil Flows. AIAA Journal, 2001, 39, 1057-1064.	2.6	28
191	Modelling and analysis of the flow field around a coned rotor. Wind Energy, 2001, 4, 121-135.	4.2	57
192	Improved Rhie-Chow Interpolation for Unsteady Flow Computations. AIAA Journal, 2001, 39, 2406-2409.	2.6	100
193	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
194	Comment on the Aeroacoustic Formulation of Hardin and Pope. AIAA Journal, 1999, 37, 141-143.	2.6	65
195	Aeroacoustic Modelling of Low-Speed Flows. Theoretical and Computational Fluid Dynamics, 1999, 13, 271-289.	2.2	78
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