

Joachim Peinke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

398
papers

7,271
citations

40
h-index

71
g-index

429
ext. papers

8,295
ext. citations

2.5
avg, IF

5.99
L-index

#	Paper	IF	Citations
398	Application of the Townsend-George theory for free shear flows to single and double wind turbine wakes in a wind tunnel study. <i>Wind Energy Science</i> , 2022 , 7, 201-219	3.2	0
397	Reduction and analysis of rotor blade misalignments on a model wind turbine. <i>Journal of Physics: Conference Series</i> , 2022 , 2265, 022071	0.3	2
396	How long can constant wind speed periods last in the turbulent atmospheric boundary layer?. <i>Journal of Physics: Conference Series</i> , 2022 , 2265, 022036	0.3	
395	Experimental Investigation on the Effect of Lateral Turbine Spacing on Interactions of Wakes. <i>Journal of Physics: Conference Series</i> , 2022 , 2265, 042064	0.3	
394	Surrogate modelling of wind fields from point-wise atmospheric turbulence measurements. <i>Journal of Physics: Conference Series</i> , 2022 , 2265, 022026	0.3	1
393	Energy Dissipation and Total Entropy Production in SHREK Experiment. <i>Springer Proceedings in Physics</i> , 2021 , 57-63	0.2	
392	An investigation of the impact of turbulence intermittency on the rotor loads of a small wind turbine. <i>Renewable Energy</i> , 2021 , 169, 582-597	8.1	1
391	Exploring the capabilities of active grids. <i>Experiments in Fluids</i> , 2021 , 62, 1	2.5	3
390	Evaluating Global Blockage engineering parametrizations with LES. <i>Journal of Physics: Conference Series</i> , 2021 , 1934, 012021	0.3	4
389	Application of the Townsend-George wake theory to field measurements of wind turbine wakes. <i>Journal of Physics: Conference Series</i> , 2021 , 1934, 012004	0.3	2
388	Experimental investigation of an active slat for airfoil load alleviation. <i>Journal of Renewable and Sustainable Energy</i> , 2021 , 13, 043304	2.5	2
387	Pressure-based lift estimation and its application to feedforward load control employing trailing-edge flaps. <i>Wind Energy Science</i> , 2021 , 6, 221-245	3.2	6
386	Cutting-Edge Turbulence Simulation Methods for Wind Energy and Aerospace Problems. <i>Fluids</i> , 2021 , 6, 288	1.6	3
385	Comparison of the turbulence in the wakes of an actuator disc and a model wind turbine by higher order statistics: A wind tunnel study. <i>Renewable Energy</i> , 2021 , 179, 1650-1662	8.1	3
384	Introduction to Turbulence 2021 , 1-27		
383	Numerical Estimation of Anti-icing Heating Power for NREL 5MW Wind Turbine Blades in Cold Climate. <i>Journal of Physics: Conference Series</i> , 2020 , 1618, 052075	0.3	
382	Distinct Turbulent Regions in the Wake of a Wind Turbine and Their Inflow-Dependent Locations: The Creation of a Wake Map. <i>Energies</i> , 2020 , 13, 5392	3.1	7

381	Disentangling stochastic signals superposed on short localized oscillations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126307	2.3	2
380	Wind turbine partial wake merging description and quantification. <i>Wind Energy</i> , 2020 , 23, 1610-1618	3.4	7
379	Correlated power time series of individual wind turbines: A data driven model approach. <i>Journal of Renewable and Sustainable Energy</i> , 2020 , 12, 023301	2.5	3
378	Small scale structures of turbulence in terms of entropy and fluctuation theorems. <i>Physical Review Fluids</i> , 2020 , 5,	2.8	2
377	Multipoint reconstruction of wind speeds. <i>Wind Energy Science</i> , 2020 , 5, 1211-1223	3.2	3
376	Generation of Atmospheric Turbulence with Unprecedentedly Large Reynolds Number in a Wind Tunnel. <i>Physical Review Letters</i> , 2020 , 125, 154503	7.4	3
375	Experimental study of fluid-structure interaction at a model wind turbine blade using optical measurement techniques. <i>Journal of Physics: Conference Series</i> , 2020 , 1618, 032025	0.3	0
374	Fluid-structure coupled investigations of the NREL 5 MW wind turbine for two downwind configurations. <i>Renewable Energy</i> , 2020 , 146, 1113-1123	8.1	5
373	Fluid Dynamics: Turbulence 2020 , 107-131		1
372	Round-robin tests of porous disc models. <i>Journal of Physics: Conference Series</i> , 2019 , 1256, 012004	0.3	7
371	Wind turbine wake intermittency dependence on turbulence intensity and pitch motion. <i>Journal of Renewable and Sustainable Energy</i> , 2019 , 11, 053302	2.5	8
370	Micro-scale wind resource assessment in complex terrain based on CFD coupled measurement from multiple masts. <i>Applied Energy</i> , 2019 , 238, 806-815	10.7	27
369	A Rigorous Entropy Law for the Turbulent Cascade. <i>ERCOTAC Series</i> , 2019 , 17-25	0.1	0
368	Propagation of wind-power-induced fluctuations in power grids. <i>Physical Review E</i> , 2019 , 99, 050301	2.4	25
367	Detecting Hidden Units and Network Size from Perceptible Dynamics. <i>Physical Review Letters</i> , 2019 , 122, 158301	7.4	12
366	Multi-scale/fractal processes in the wake of a wind turbine array boundary layer. <i>Journal of Turbulence</i> , 2019 , 20, 93-120	2.1	12
365	Insights into the periodic gust response of airfoils. <i>Journal of Fluid Mechanics</i> , 2019 , 876, 237-263	3.7	21
364	Grand challenges in the science of wind energy. <i>Science</i> , 2019 , 366,	33.3	198

363	Wind turbine load dynamics in the context of turbulence intermittency. <i>Wind Energy Science</i> , 2019 , 4, 581-594	3.2	6
362	Scaling Laws and Intermittency in Cryogenic Turbulence Using SHREK Experiment. <i>Springer Proceedings in Physics</i> , 2019 , 179-184	0.2	0
361	Turbulence Generation by Active Grids. <i>Springer Proceedings in Physics</i> , 2019 , 191-196	0.2	2
360	Turbulent velocity measurements in high Reynolds cryogenic helium facilities at Service des Basses Températures (SBT). <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 502, 012201	0.4	1
359	Residual Predictive Information Flow in the Tight Coupling Limit: Analytic Insights from a Minimalistic Model. <i>Entropy</i> , 2019 , 21, 1010	2.8	1
358	Bridging between load-flow and Kuramoto-like power grid models: A flexible approach to integrating electrical storage units. <i>Chaos</i> , 2019 , 29, 103151	3.3	7
357	Heterogeneities in electricity grids strongly enhance non-Gaussian features of frequency fluctuations under stochastic power input. <i>Chaos</i> , 2019 , 29, 103149	3.3	12
356	A topology-dynamics-based control strategy for multi-dimensional complex networked dynamical systems. <i>Scientific Reports</i> , 2019 , 9, 19831	4.9	1
355	The Fokker-Planck Approach to Complex Spatiotemporal Disordered Systems. <i>Annual Review of Condensed Matter Physics</i> , 2019 , 10, 107-132	19.7	21
354	Adaptation of reference volumes for correlation-based digital holographic particle tracking. <i>Measurement Science and Technology</i> , 2018 , 29, 045207	2	1
353	Aerodynamics and Percolation: Unfolding Laminar Separation Bubble on Airfoils. <i>Physical Review X</i> , 2018 , 8,	9.1	1
352	Analyzing a stochastic process driven by Ornstein-Uhlenbeck noise. <i>Physical Review E</i> , 2018 , 97, 012113	2.4	12
351	The footprint of atmospheric turbulence in power grid frequency measurements. <i>Europhysics Letters</i> , 2018 , 121, 30001	1.6	20
350	Investigation of the small-scale statistics of turbulence in the Modane S1MA wind tunnel. <i>CEAS Aeronautical Journal</i> , 2018 , 9, 269-281	1.3	13
349	Optimization of Airfoils Using the Adjoint Approach and the Influence of Adjoint Turbulent Viscosity. <i>Computation</i> , 2018 , 6, 5	2.2	6
348	Stochastic Wake Modelling Based on POD Analysis. <i>Energies</i> , 2018 , 11, 612	3.1	23
347	An engineering model for wind turbines under yawed conditions derived from high fidelity models. <i>Wind Energy</i> , 2018 , 21, 618-633	3.4	18
346	Optimize Rotating Wind Energy Rotor Blades Using the Adjoint Approach. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1112	2.6	4

345	On universal features of the turbulent cascade in terms of non-equilibrium thermodynamics. <i>Journal of Fluid Mechanics</i> , 2018 , 848, 117-153	3.7	14
344	Wind tunnel experiments on wind turbine wakes in yaw: redefining the wake width. <i>Wind Energy Science</i> , 2018 , 3, 257-273	3.2	33
343	Wind tunnel experiments on wind turbine wakes in yaw: effects of inflow turbulence and shear. <i>Wind Energy Science</i> , 2018 , 3, 329-343	3.2	38
342	Remote surface damage detection on rotor blades of operating wind turbines by means of infrared thermography. <i>Wind Energy Science</i> , 2018 , 3, 639-650	3.2	6
341	Blind test comparison on the wake behind a yawed wind turbine. <i>Wind Energy Science</i> , 2018 , 3, 883-903	3.2	16
340	Dynamics and Synchronisation in Wind Farms 2018 , 383-388		1
339	Investigation of the validity of the Blade Element Momentum Theory for wind turbine simulations in turbulent inflow by means of Computational Fluid Dynamics. <i>Journal of Physics: Conference Series</i> , 2018 , 1102, 012012	0.3	1
338	High speed PIV measurements of an adaptive camber airfoil under highly gusty inflow conditions. <i>Journal of Physics: Conference Series</i> , 2018 , 1037, 072007	0.3	3
337	A comparative analysis of built environment and open terrain wind data by higher order statistics and performance evaluation of 5 kW HAWT using FAST. <i>Journal of Physics: Conference Series</i> , 2018 , 1037, 072022	0.3	
336	Validating subspace predictive repetitive control under turbulent wind conditions with wind tunnel experiment. <i>Journal of Physics: Conference Series</i> , 2018 , 1037, 032008	0.3	1
335	Generation of user defined turbulent inflow conditions by an active grid for validation experiments. <i>Journal of Physics: Conference Series</i> , 2018 , 1037, 052002	0.3	14
334	Comparison of the Blade Element Momentum Theory with Computational Fluid Dynamics for Wind Turbine Simulations in Turbulent Inflow. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2513	2.6	5
333	On the effect of blade deformations on the aerodynamic performance of wind turbine rotors subjected to yawed inflow. <i>Journal of Physics: Conference Series</i> , 2018 , 1037, 022030	0.3	
332	Mitigating loads by means of an active slat. <i>Journal of Physics: Conference Series</i> , 2018 , 1037, 022032	0.3	2
331	Fatigue load estimations of intermittent wind dynamics based on a Blade Element Momentum method. <i>Journal of Physics: Conference Series</i> , 2018 , 1037, 072040	0.3	11
330	Fluid-structure coupled computations of the NREL 5 MW wind turbine by means of CFD. <i>Renewable Energy</i> , 2018 , 129, 591-605	8.1	32
329	Dynamic wake development of a floating wind turbine in free pitch motion subjected to turbulent inflow generated with an active grid. <i>Renewable Energy</i> , 2017 , 112, 1-16	8.1	18
328	Modelling the structural loading of a small wind turbine at a highly turbulent site via modifications to the Kaimal turbulence spectra. <i>Renewable Energy</i> , 2017 , 105, 288-300	8.1	19

327	Note on the limitations of the Theodorsen and Sears functions. <i>Journal of Fluid Mechanics</i> , 2017 , 811,	3.7	19
326	Conditional Granger causality of diffusion processes. <i>European Physical Journal B</i> , 2017 , 90, 1	1.2	4
325	Comparative study on the wake deflection behind yawed wind turbine models. <i>Journal of Physics: Conference Series</i> , 2017 , 854, 012032	0.3	16
324	Suppressing power output fluctuations of photovoltaic power plants. <i>Solar Energy</i> , 2017 , 157, 735-743	6.8	17
323	The impact of turbulent renewable energy production on power grid stability and quality. <i>European Physical Journal B</i> , 2017 , 90, 1	1.2	46
322	Parameter-free resolution of the superposition of stochastic signals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 194-206	2.3	11
321	Rogue waves and entropy consumption. <i>Europhysics Letters</i> , 2017 , 120, 30008	1.6	6
320	Normal Behaviour Models for Wind Turbine Vibrations: Comparison of Neural Networks and a Stochastic Approach. <i>Energies</i> , 2017 , 10, 1944	3.1	34
319	On the impact of non-Gaussian wind statistics on wind turbines – An experimental approach. <i>Wind Energy Science</i> , 2017 , 2, 1-13	3.2	26
318	Brief communication: On the influence of vertical wind shear on the combined power output of two model wind turbines in yaw. <i>Wind Energy Science</i> , 2017 , 2, 439-442	3.2	9
317	Percolation: Statistical Description of a Spatial and Temporal Highly Resolved Boundary Layer Transition. <i>Springer Proceedings in Physics</i> , 2017 , 11-16	0.2	
316	Comparison of the Development of a Wind Turbine Wake Under Different Inflow Conditions. <i>Springer Proceedings in Physics</i> , 2017 , 177-182	0.2	
315	Wake to wake interaction of floating wind turbine models in free pitch motion: An eddy viscosity and mixing length approach. <i>Renewable Energy</i> , 2016 , 85, 666-676	8.1	30
314	Granger-causality maps of diffusion processes. <i>Physical Review E</i> , 2016 , 93, 022213	2.4	9
313	Navier-Stokes-based predictions of the aerodynamic behaviour of stall regulated wind turbines using OpenFOAM. <i>Progress in Computational Fluid Dynamics</i> , 2016 , 16, 339	0.7	5
312	Design and implementation of a controllable model wind turbine for experimental studies. <i>Journal of Physics: Conference Series</i> , 2016 , 753, 072030	0.3	10
311	Capturing rogue waves by multi-point statistics. <i>New Journal of Physics</i> , 2016 , 18, 013017	2.9	12
310	Investigation of the validity of BEM for simulation of wind turbines in complex load cases and comparison with experiment and CFD. <i>Journal of Physics: Conference Series</i> , 2016 , 749, 012015	0.3	10

309	DDES and URANS comparison of the NREL phase-VI wind turbine at deep stall 2016 ,		3
308	Towards the optimization of wind turbine rotor blades by means of computational fluid dynamics and the adjoint approach 2016 ,		1
307	Stochastic Analysis of a Fractal Grid Wake. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2016 , 165-177	0.6	0
306	Development and application of a grid generation tool for aerodynamic simulations of wind turbines. <i>Wind Engineering</i> , 2016 , 40, 148-172	1.2	13
305	Progress in Turbulence VI. <i>Springer Proceedings in Physics</i> , 2016 ,	0.2	2
304	Analysis of Noisy Spatio-Temporal Data. <i>Understanding Complex Systems</i> , 2016 , 319-324	0.4	
303	Wind tunnel tests on controllable model wind turbines in yaw 2016 ,		14
302	Particle depth position detection by 2D correlation in digital in-line holography. <i>Optics Letters</i> , 2016 , 41, 4947-4950	3	5
301	Long-term research challenges in wind energy & research agenda by the European Academy of Wind Energy. <i>Wind Energy Science</i> , 2016 , 1, 1-39	3.2	103
300	Detailed analysis of the blade root flow of a horizontal axis wind turbine. <i>Wind Energy Science</i> , 2016 , 1, 89-100	3.2	21
299	The Langevin Approach: An R Package for Modeling Markov Processes. <i>Journal of Open Research Software</i> , 2016 , 4,	2.3	12
298	Numerical and experimental investigation of an airfoil with load control in the wake of an active grid. <i>Journal of Physics: Conference Series</i> , 2016 , 753, 022036	0.3	1
297	Short term fluctuations of wind and solar power systems. <i>New Journal of Physics</i> , 2016 , 18, 063027	2.9	106
296	Effects of particle locations on reconstructed particle images in digital holography. <i>Applied Optics</i> , 2016 , 55, 9532-9545	0.2	3
295	Experimental airfoil characterization under tailored turbulent conditions. <i>Journal of Physics: Conference Series</i> , 2016 , 753, 072020	0.3	5
294	Simulation and Optimization of an Airfoil with Leading Edge Slat. <i>Journal of Physics: Conference Series</i> , 2016 , 753, 022052	0.3	10
293	Phase locking of wind turbines leads to intermittent power production. <i>Europhysics Letters</i> , 2016 , 116, 60009	1.6	3
292	Disentangling the stochastic behavior of complex time series. <i>Scientific Reports</i> , 2016 , 6, 35435	4.9	34

291	Investigation of the current yaw engineering models for simulation of wind turbines in BEM and comparison with CFD and experiment. <i>Journal of Physics: Conference Series</i> , 2016 , 753, 022016	0.3	13
290	Fluid-structure coupled computations of the NREL 5MW wind turbine blade during standstill. <i>Journal of Physics: Conference Series</i> , 2016 , 753, 022034	0.3	5
289	Application of an Integral Fluctuation Theorem to Turbulent Flows. <i>Springer Proceedings in Physics</i> , 2016 , 19-25	0.2	2
288	Gradual wavelet reconstruction of the velocity increments for turbulent wakes. <i>Physics of Fluids</i> , 2015 , 27, 025104	4.4	14
287	Dynamics of quasi-stationary systems: Finance as an example. <i>Europhysics Letters</i> , 2015 , 110, 68003	1.6	11
286	Towards a Simplified DynamicWake Model Using POD Analysis. <i>Energies</i> , 2015 , 8, 895-920	3.1	24
285	Stochastic analysis of aerodynamic forces acting on a self-adaptive camber airfoil in turbulent inflow 2015 ,		1
284	Fully developed turbulence in the view of horizontal visibility graphs. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P08031	1.9	25
283	Stability and hierarchy of quasi-stationary states: financial markets as an example. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P08011	1.9	13
282	Analyzing a stochastic time series obeying a second-order differential equation. <i>Physical Review E</i> , 2015 , 91, 062113	2.4	4
281	Characterizing Wake Turbulence with Staring Lidar Measurements. <i>Journal of Physics: Conference Series</i> , 2015 , 625, 012006	0.3	12
280	A new approach to highly resolved measurements of turbulent flow. <i>Measurement Science and Technology</i> , 2015 , 26, 055302	2	5
279	Langevin power curve analysis for numerical wind energy converter models with new insights on high frequency power performance. <i>Wind Energy</i> , 2015 , 18, 1953-1971	3.4	7
278	The Langevin Approach: A Simple Stochastic Method for Complex Phenomena. <i>Mathematical Engineering</i> , 2015 , 125-141	0.8	1
277	Stochastic modeling of driver behavior by Langevin equations. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	0
276	Stochastic Model for Aerodynamic Force Dynamics on Wind Turbine Blades in Unsteady Wind Inflow. <i>Journal of Computational and Nonlinear Dynamics</i> , 2015 , 10,	1.4	1
275	Stochastic modeling of lift and drag dynamics under turbulent wind inflow conditions. <i>Wind Energy</i> , 2015 , 18, 317-337	3.4	5
274	The aeroacoustic behavior of a cylindrical surface with a small cavity. <i>Experiments in Fluids</i> , 2014 , 55, 1	2.5	1

273	Kolmogorov spectrum of renewable wind and solar power fluctuations. <i>European Physical Journal: Special Topics</i> , 2014 , 223, 2637-2644	2.3	26
272	Stochastic analysis of ocean wave states with and without rogue waves. <i>New Journal of Physics</i> , 2014 , 16, 053037	2.9	10
271	Aerodynamic Simulation of the MEXICO Rotor. <i>Journal of Physics: Conference Series</i> , 2014 , 555, 012051	0.3	5
270	Highly resolved measurements of atmospheric turbulence with the new 2d-Atmospheric Laser Cantilever Anemometer. <i>Journal of Physics: Conference Series</i> , 2014 , 555, 012054	0.3	2
269	Reconstructing the intermittent dynamics of the torque in wind turbines. <i>Journal of Physics: Conference Series</i> , 2014 , 524, 012179	0.3	1
268	Stochastic modeling and performance monitoring of wind farm power production. <i>Journal of Renewable and Sustainable Energy</i> , 2014 , 6, 033119	2.5	23
267	2D Numerical Investigation of the Laminar and Turbulent Flow Over Different Airfoils Using OpenFOAM. <i>Journal of Physics: Conference Series</i> , 2014 , 555, 012070	0.3	10
266	POD Analysis of a Wind Turbine Wake in a Turbulent Atmospheric Boundary Layer. <i>Journal of Physics: Conference Series</i> , 2014 , 524, 012153	0.3	8
265	Insight into Rotational Effects on a Wind Turbine Blade Using Navier-Stokes Computations. <i>Energies</i> , 2014 , 7, 6798-6822	3.1	31
264	Fatigue Load Estimation through a Simple Stochastic Model. <i>Energies</i> , 2014 , 7, 8279-8293	3.1	24
263	Experimental Study on Influence of Pitch Motion on the Wake of a Floating Wind Turbine Model. <i>Energies</i> , 2014 , 7, 1954-1985	3.1	39
262	Wind Energy: A Turbulent, Intermittent Resource. <i>Research Topics in Wind Energy</i> , 2014 , 73-78	0.2	4
261	Self-organized synchronization and voltage stability in networks of synchronous machines. <i>European Physical Journal: Special Topics</i> , 2014 , 223, 2577-2592	2.3	57
260	Progress in Turbulence V. <i>Springer Proceedings in Physics</i> , 2014 ,	0.2	2
259	DES Study of Airfoil Lift Coefficient Sensitivity to Flow Turbulence. <i>Research Topics in Wind Energy</i> , 2014 , 9-15	0.2	
258	Stochastic nature of series of waiting times. <i>Physical Review E</i> , 2013 , 87, 062139	2.4	8
257	Multi-scale generation of turbulence with fractal grids and an active grid. <i>Fluid Dynamics Research</i> , 2013 , 45, 061407	1.2	29
256	Stochastic method for in-situ damage analysis. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	10

255	Turbulent character of wind energy. <i>Physical Review Letters</i> , 2013 , 110, 138701	7.4	142
254	Scale dependence of the directional relationships between coupled time series. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013 , 2013, P02042	1.9	2
253	Wind Turbine Power Performance and Application to Monitoring. <i>Energy Systems</i> , 2013 , 673-708	0.4	1
252	The level crossing and inverse statistic analysis of German stock market index (DAX) and daily oil price time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 209-216	3.3	5
251	A Generalization of Scaling Models of Turbulence. <i>Journal of Statistical Physics</i> , 2012 , 146, 25-32	1.5	3
250	The Turbulent Flow in the Close-Up Region of Fractal Grids. <i>Springer Proceedings in Physics</i> , 2012 , 151-156.	0.2	1
249	A classification scheme for turbulence based on the velocity-intermittency structure with an application to near-wall flow and with implications for bed load transport. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		23
248	Multiscale probability distribution of pressure fluctuations in fluidized beds. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012 , 2012, P07008	1.9	2
247	Characterization of wind turbulence by higher-order statistics. <i>Wind Energy</i> , 2012 , 15, 391-406	3.4	64
246	Wake classification of heaving airfoils using the spectral/hp element method. <i>Journal of Computational and Applied Mathematics</i> , 2012 , 236, 3774-3782	2.4	5
245	The turbulent nature of the atmospheric boundary layer and its impact on the wind energy conversion process. <i>Journal of Turbulence</i> , 2012 , 13, N26	2.1	32
244	Investigations of Cavity Noise Generation on a Cylinder. <i>Springer Proceedings in Physics</i> , 2012 , 119-122	0.2	1
243	The Relevance of Turbulence for Wind Energy Related Research. <i>Springer Proceedings in Physics</i> , 2012 , 247-250	0.2	1
242	Numerical Modeling of a WECs Power Performance under the Influence of Atmospheric and Synthetic Wind Fields. <i>Springer Proceedings in Physics</i> , 2012 , 167-170	0.2	
241	Multi-scale Analysis of Turbulence in CFD-Simulations. <i>Springer Proceedings in Physics</i> , 2012 , 41-44	0.2	
240	Optimization of a Digital In-line Holography Setup Used with a High-Speed Camera. <i>Springer Proceedings in Physics</i> , 2012 , 97-100	0.2	
239	Development of Highly Resolving Drag Based Anemometers. <i>Springer Proceedings in Physics</i> , 2012 , 101-104	0.2	
238	Wind Energy and the Turbulent Nature of the Atmospheric Boundary Layer 2011 ,		1

237	New anemometer for offshore use. <i>Journal of Physics: Conference Series</i> , 2011 , 318, 072015	0.3	1
236	Turbulence and wind turbines. <i>Journal of Physics: Conference Series</i> , 2011 , 318, 072005	0.3	11
235	Towards a stochastic multi-point description of turbulence. <i>Journal of Physics: Conference Series</i> , 2011 , 318, 042012	0.3	1
234	Approaching complexity by stochastic methods: From biological systems to turbulence. <i>Physics Reports</i> , 2011 , 506, 87-162	27.7	207
233	High-order numerical simulations of the flow around a heaving airfoil. <i>Computers and Fluids</i> , 2011 , 51, 68-84	2.8	12
232	Atmospheric wind field conditions generated by active grids. <i>Experiments in Fluids</i> , 2011 , 51, 471-481	2.5	44
231	Atmospheric turbulence and its influence on the alternating loads on wind turbines. <i>Wind Energy</i> , 2011 , 14, 301-316	3.4	92
230	Power performance of wind energy converters characterized as stochastic process: applications of the Langevin power curve. <i>Wind Energy</i> , 2011 , 14, 711-717	3.4	11
229	Different methods to estimate the Einstein-Markov coherence length in turbulence. <i>Physical Review E</i> , 2011 , 83, 046319	2.4	3
228	Principal axes for stochastic dynamics. <i>Physical Review E</i> , 2011 , 84, 031103	2.4	10
227	Defining a new class of turbulent flows. <i>Physical Review Letters</i> , 2010 , 104, 194501	7.4	48
226	Extracting strong measurement noise from stochastic time series: applications to empirical data. <i>Physical Review E</i> , 2010 , 81, 041125	2.4	19
225	Towards a stochastic multi-point description of turbulence. <i>New Journal of Physics</i> , 2010 , 12, 103046	2.9	30
224	Multi-scale description and prediction of financial time series. <i>New Journal of Physics</i> , 2010 , 12, 083021	2.9	11
223	Anomalous fluctuations of vertical velocity of Earth and their possible implications for earthquakes. <i>Physical Review E</i> , 2010 , 82, 036105	2.4	12
222	Drift and diffusion based models of driver behavior. <i>European Physical Journal B</i> , 2010 , 76, 99-107	1.2	3
221	Power curves for wind turbines. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , 2010 , 595-612		2
220	Characterization of short time fluctuations in atmospheric wind speeds by LIDAR measurements. <i>Meteorologische Zeitschrift</i> , 2009 , 18, 277-280	3.1	6

219	Exploring the dynamics of balance data [movement variability in terms of drift and diffusion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 811-816	2.3	16
218	Dynamic Stall Measurements. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2009 , 9, 447-448	0.2	
217	Measurements with a 2D Laser-Cantilever-Anemometer compared to an x-wire probe. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2009 , 9, 461-462	0.2	1
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