

# Ju Feng

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

619  
citations

933447

10  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving the wind farm layout optimization problem using random search algorithm. Renewable Energy, 2015, 78, 182-192.	8.9	166
2	Design optimization of offshore wind farms with multiple types of wind turbines. Applied Energy, 2017, 205, 1283-1297.	10.1	86
3	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
4	Modelling Wind for Wind Farm Layout Optimization Using Joint Distribution of Wind Speed and Wind Direction. Energies, 2015, 8, 3075-3092.	3.1	56
5	Design optimization of a curved wind turbine blade using neural networks and an aero-elastic vortex method under turbulent inflow. Renewable Energy, 2020, 146, 1524-1535.	8.9	50
6	Wind farm power production in the changing wind: Robustness quantification and layout optimization. Energy Conversion and Management, 2017, 148, 905-914.	9.2	49
7	An Optimization Framework for Wind Farm Design in Complex Terrain. Applied Sciences (Switzerland), 2018, 8, 2053.	2.5	32
8	Wind farm layout optimization in complex terrain: A preliminary study on a Gaussian hill. Journal of Physics: Conference Series, 2014, 524, 012146.	0.4	29
9	Wind turbine wake measurement in complex terrain. Journal of Physics: Conference Series, 2016, 753, 032013.	0.4	17
10	Multi-Objective Random Search Algorithm for Simultaneously Optimizing Wind Farm Layout and Number of Turbines. Journal of Physics: Conference Series, 2016, 753, 032011.	0.4	16
11	Stochastic optimal time-delay control of quasi-integrable Hamiltonian systems. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 2978-2984.	3.3	8
12	Co-optimization of the shape, orientation and layout of offshore wind farms. Journal of Physics: Conference Series, 2020, 1618, 042023.	0.4	8
13	Stochastic optimal control of partially observable nonlinear quasi-integrable Hamiltonian systems. Science China: Physics, Mechanics and Astronomy, 2010, 53, 147-154.	5.1	6
14	Electric potential response analysis of a piezoelectric shell under random micro-vibration excitations. Smart Materials and Structures, 2011, 20, 105029.	3.5	6
15	A minimax stochastic optimal semi-active control strategy for uncertain quasi-integrable Hamiltonian systems using magneto-rheological dampers. JVC/Journal of Vibration and Control, 2012, 18, 1986-1995.	2.6	5
16	Stochastic optimal control analysis of a piezoelectric shell subjected to stochastic boundary perturbations. Smart Structures and Systems, 2012, 9, 231-251.	1.9	5
17	Robustness of feedback stabilization of quasi non-integrable Hamiltonian systems with parametric uncertainty. JVC/Journal of Vibration and Control, 2012, 18, 622-631.	2.6	4
18	Operating wind turbines in strong wind conditions by using feedforward-feedback control. Journal of Physics: Conference Series, 2014, 555, 012035.	0.4	4

#	ARTICLE	IF	CITATIONS
19	A new multi-fidelity flow-acoustics simulation framework for wind farm application. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111939.	16.4	4
20	A minimax optimal control strategy for partially observable uncertain quasi-Hamiltonian systems. <i>International Journal of Non-Linear Mechanics</i> , 2012, 47, 1147-1153.	2.6	2
21	Stochastic minimax optimal time-delay state feedback control of uncertain quasi-integrable Hamiltonian systems. <i>Acta Mechanica</i> , 2011, 222, 309-319.	2.1	1
22	Stochastic micro-vibration response of a spherically symmetric piezoelectric shell structure as sensor. , 2011, , .		0
23	Development of a streamline wake model for wind farm performance predictions. <i>Journal of Physics: Conference Series</i> , 2020, 1618, 062027.	0.4	0