Garrett E Barter

List of Publications by Year
in descending order

22 papers	667 citations	1040056 9 h-index	888059 17 g-index
32 all docs	32 docs citations	32 times ranked	490 citing authors

#	Article	IF	Citations
1	Reliabilityâ€based layout optimization in offshore wind energy systems. Wind Energy, 2022, 25, 125-148.	4.2	10
2	Challenges, opportunities, and a research roadmap for downwind wind turbines. Wind Energy, 2022, 25, 354-367.	4.2	11
3	Blade planform design optimization to enhance turbine wake control. Wind Energy, 2022, 25, 811-830.	4.2	4
4	Effectively using multifidelity optimization for wind turbine design. Wind Energy Science, 2022, 7, 991-1006.	3.3	8
5	An Open-Source Frequency-Domain Model for Floating Wind Turbine Design Optimization. Journal of Physics: Conference Series, 2022, 2265, 042020.	0.4	6
6	FLOW Estimation and Rose SuperpositionÂ(FLOWERS): an integral approach to engineering wake models. Wind Energy Science, 2022, 7, 1137-1151.	3.3	1
7	Functional Requirements for the WEIS Toolset to Enable Controls Co-Design of Floating Offshore Wind Turbines. , 2021, , .		5
8	An Unsteady Actuator Line Solver to Enable Adjoint Sensitivity Studies for Wake Steering. Journal of Physics: Conference Series, 2020, 1618, 042038.	0.4	2
9	Comparison of loads from HAWC2 and OpenFAST for the IEA Wind 15 MW Reference Wind Turbine. Journal of Physics: Conference Series, 2020, 1618, 052052.	0.4	15
10	Wind Farm Simulation and Layout Optimization in Complex Terrain. Journal of Physics: Conference Series, 2020, 1452, 012066.	0.4	6
11	A systems engineering vision for floating offshore wind cost optimization. Renewable Energy Focus, 2020, 34, 1-16.	4.5	36
12	Wind Turbine Rotor Design Optimization Using Importance Sampling. , 2020, , .		0
13	An efficient approach to explore the solution space of a wind turbine rotor design process. Journal of Physics: Conference Series, 2020, 1618, 042016.	0.4	4
14	Implications of Modeling Range and Infrastructure Barriers to Adoption of Battery Electric Vehicles. Transportation Research Record, 2015, 2502, 80-88.	1.9	13
15	The heavy-duty vehicle future in the United States: A parametric analysis of technology and policy tradeoffs. Energy Policy, 2015, 81, 1-13.	8.8	25
16	A parametric analysis of future ethanol use in the light-duty transportation sector: Can the US meet its Renewable Fuel Standard goals without an enforcement mechanism?. Energy Policy, 2014, 65, 419-431.	8.8	18
17	A parametric study of light-duty natural gas vehicle competitiveness in the United States through 2050. Applied Energy, 2014, 125, 206-217.	10.1	30
18	Parametric analysis of technology and policy tradeoffs for conventional and electric light-duty vehicles. Energy Policy, 2012, 46, 473-488.	8.8	26

#	Article	IF	Citations
19	Shock capturing with PDE-based artificial viscosity for DGFEM: Part I. Formulation. Journal of Computational Physics, 2010, 229, 1810-1827.	3.8	156
20	Analysis of detection systems for outdoor chemical or biological attacks. , 2009, , .		1
21	Shock Capturing with Higher-Order, PDE-Based Artificial Viscosity. , 2007, , .		53
22	The Future Adoption and Benefit of Electric Vehicles: A Parametric Assessment. SAE International Journal of Alternative Powertrains, 0, 2, 82-95.	0.8	12