Experimental and numerical study on the performance and flow pattern of different Savonius hydrokinetic turbines with varying duct angle

DOI: 10.1007/s40722-019-00155-6
Journal of Ocean Engineering and Marine Energy, 2020 , 6, 31-53.

#	Paper	IF	Citations
11	A review of the optimization studies for Savonius turbine considering hydrokinetic applications. *Energy Conversion and Management*, **2020**, 226, 113495	10.6	12
10	Numerical Investigation of an Efficient Blade Design for a Flow Driven Horizontal Axis Marine Current Turbine. *Lecture Notes in Civil Engineering*, **2021**, 241-248	0.3	0
9	A comparative study review: The performance of Savonius-type rotors. *Materials Today: Proceedings* , **2021**,	1.4	0
8	Employability of vertical axis crossflow whirlybird rotor as hydrokinetic turbine and its performance prediction corresponding to different design parameters. *Ocean Engineering*, **2021**, 238, 109744	3.9	1
7	Techno-economic analysis of a micro-hydropower plant consists of hydrokinetic turbines arranged in different array formations for rural power supply. *Renewable Energy*, **2021**, 179, 475-487	8.1	6
6	Performance analysis of Helical Savonius Hydrokinetic turbines arranged in array. *Ocean Engineering*, **2021**, 241, 110020	3.9	3
5	A review on modifications and performance assessment techniques in cross-flow hydrokinetic system. *Sustainable Energy Technologies and Assessments*, **2022**, 51, 101933	4.7	3
4	A numerical investigation on the influence of savonius blade helicity on the performance characteristics of hybrid cross-flow hydrokinetic turbine. *Renewable Energy*, **2022**, 190, 788-804	8.1	2
3	Effect of design parameters on the performance of helical Darrieus hydrokinetic turbines. *Renewable and Sustainable Energy Reviews*, **2022**, 162, 112431	16.2	1
2	A review on comparative study of Savonius wind turbine rotor performance parameters.		1
1	Testing Scale Models of Hydro-Reactor Profiled Ducts That Create Notable Net Head to Promote Hydroelectric Power from Currents. **2023**, 8, 45		0