## Soo-Hwang Ahn

List of Publications by Year in descending order

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SOO-HWANG AHN

#	Article	IF	CITATIONS
1	Transient thermo-elasto-hydrodynamic analysis of a bidirectional thrust bearing in start-up and shutdown processes. Engineering Computations, 2022, 39, 1511-1533.	1.4	5
2	Fatigue analysis in rotor of a prototype bulb turbine based on fluid-structure interaction. Engineering Failure Analysis, 2022, 132, 105940.	4.0	5
3	Influence of rotation on the modal characteristics of a bulb turbine unit rotor. Renewable Energy, 2022, 187, 887-895.	8.9	12
4	Investigation on Dynamic Stresses of Pump-Turbine Runner during Start Up in Turbine Mode. Processes, 2021, 9, 499.	2.8	17
5	Numerical estimation of prototype hydraulic efficiency in a low head power station based on gross head conditions. Renewable Energy, 2020, 153, 175-181.	8.9	18
6	Evaluation of gap influence on the dynamic response behavior of pump-turbine runner. Engineering Computations, 2019, 36, 491-508.	1.4	24
7	Slurry Flow and Erosion Prediction in a Centrifugal Pump after Long-Term Operation. Energies, 2019, 12, 1523.	3.1	17
8	Numerical estimation of air core length in two-phase free surface vortex. Journal of Hydraulic Research/De Recherches Hydrauliques, 2019, 57, 475-487.	1.7	8
9	Hydraulic performance prediction of a prototype four-nozzle Pelton turbine by entire flow path simulation. Renewable Energy, 2018, 125, 270-282.	8.9	29
10	Unsteady prediction of cavitating flow around a three dimensional hydrofoil by using a modified RNG k-ε model. Ocean Engineering, 2018, 158, 275-285.	4.3	31
11	Numerical prediction on the effect of free surface vortex on intake flow characteristics for tidal power station. Renewable Energy, 2017, 101, 617-628.	8.9	65
12	Performance prediction of a prototype tidal power turbine by using a suitable numerical model. Renewable Energy, 2017, 113, 293-302.	8.9	31