

Soo-Hwang Ahn

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

262
citations

1040056

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1199594

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12
all docs

12
docs citations

12
times ranked

146
citing authors

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