

CITATION REPORT

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CFD configurations for hydraulic turbine startup

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#	Paper	IF	Citations
31	Application of transient CFD-procedures for S-shape computation in pump-turbines with and without FSI. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016 , 49, 042008	0.3	5
30	Numerical Techniques Applied to Hydraulic Turbines: A Perspective Review. <i>Applied Mechanics Reviews</i> , 2016 , 68,	8.6	52
29	A review on fatigue damage mechanism in hydro turbines. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 54, 1-14	16.2	99
28	Mechanism of the S-Shaped Characteristics and the Runaway Instability of Pump-Turbines. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2017 , 139,	2.1	36
27	Three-dimensional transient simulation of a prototype pump-turbine during normal turbine shutdown. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2017 , 55, 520-537	1.9	46
26	Evolutions of Pressure Fluctuations and Runner Loads During Runaway Processes of a Pump-Turbine. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2017 , 139,	2.1	39
25	Fluid-structure interactions in Francis turbines: A perspective review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 68, 87-101	16.2	64
24	Francis-Type Reversible Turbine Field Investigation During Fast Closure of Wicket Gates. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018 , 140,	2.1	9
23	Experimental study of a Francis turbine under variable-speed and discharge conditions. <i>Renewable Energy</i> , 2018 , 119, 447-458	8.1	27
22	Experimental and Numerical Investigations on the Origins of Rotating Stall in a Propeller Turbine Runner Operating in No-Load Conditions. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018 , 140,	2.1	12
21	A Hydrodynamic Study of a Propeller Turbine During a Transient Runaway Event Initiated at the Best Efficiency Point. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018 , 140,	2.1	3
20	Free-stream turbine start-up under load. <i>E3S Web of Conferences</i> , 2019 , 140, 06009	0.5	1
19	Modeling the Rotor Vibrations of a Hydropower Unit During a Runaway Regime. <i>Mechanisms and Machine Science</i> , 2019 , 280-294	0.3	
18	Fatigue life estimation of Francis turbines based on experimental strain measurements: Review of the actual data and future trends. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 102, 96-110	16.2	30
17	Investigation methods for analysis of transient phenomena concerning design and operation of hydraulic-machine systemsA review. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 101, 26-46	16.2	39
16	Analysis of the Runner Behavior During the Start-Up Sequence in a Bulb Turbine Model. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2019 , 141,	2.1	5
15	A new method of dynamic mesh used in continuous guide vane closure of a reversible pump-turbine in generating mode. <i>Journal of Hydrodynamics</i> , 2019 , 31, 976-985	3.3	6

14	Synchronized PIV and pressure measurements on a model Francis turbine during start-up. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2020 , 58, 70-86	1.9	7
13	Time-dependent inception of vortex rings in a Francis turbine during load variation: large eddy simulation and experimental validation. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2020 , 58, 790-806	1.9	6
12	Numerical Simulation of the Flow in a Kaplan Turbine Model during Transient Operation from the Best Efficiency Point to Part Load. <i>Energies</i> , 2020 , 13, 3129	3.1	1
11	Mechanism of low frequency high amplitude pressure fluctuation in a pump-turbine during the load rejection process. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2021 , 59, 280-297	1.9	14
10	On the Evaluation of Mesh Resolution for Large-Eddy Simulation of Internal Flows Using Openfoam. <i>Fluids</i> , 2021 , 6, 24	1.6	2
9	Investigation on Dynamic Stresses of Pump-Turbine Runner during Start Up in Turbine Mode. <i>Processes</i> , 2021 , 9, 499	2.9	6
8	Study of Pressure Pulsations in a Francis Turbine Designed for Frequent Start-Stop. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	2
7	On the use of neural networks for dynamic stress prediction in Francis turbines by means of stationary sensors. <i>Renewable Energy</i> , 2021 , 170, 652-660	8.1	1
6	Analysis of Dynamic Stresses of Pump-Turbine Runner during Load Rejection Process in Turbine Mode. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 774, 012100	0.3	
5	Experimental Study of a Bulb Turbine Model During Start-Up and at Speed-No-Load Conditions, Based on the Measurement of Unsteady Pressure. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020 , 142,	2.1	1
4	Characterization of the Effects of Ingested Bodies on the Rotor-Stator Interaction of Hydraulic Turbines. <i>Energies</i> , 2021 , 14, 6669	3.1	1
3	Fluid-Structure Coupling Analysis of the Stationary Structures of a Prototype Pump Turbine during Load Rejection. <i>Energies</i> , 2022 , 15, 3764	3.1	0
2	Numerical Simulation of a Kaplan Prototype during Speed-No-Load Operation. <i>Energies</i> , 2022 , 15, 5072	3.1	
1	Stress Characteristic Analysis of Pump-Turbine Head Cover Bolts during Load Rejection Based on Measurement and Simulation. 2022 , 15, 9496		0