

# Alexis Muhirwa

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

211  
citations

1478505

6  
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1281871

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docs citations

13  
times ranked

109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pump as turbine cavitation performance for both conventional and reverse operating modes: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 168, 112786.	16.4	63
2	Blade trailing edge position influencing pump as turbine (PAT) pressure field under part-load conditions. <i>Renewable Energy</i> , 2019, 136, 33-47.	8.9	49
3	A review on remedial attempts to counteract the power generation compromise from draft tubes of hydropower plants. <i>Renewable Energy</i> , 2020, 150, 743-764.	8.9	36
4	Flow instability transferability characteristics within a reversible pump turbine (RPT) under large guide vane opening (GVO). <i>Renewable Energy</i> , 2021, 179, 285-307.	8.9	21
5	Investigation on reversible pump turbine flow structures and associated pressure field characteristics under different guide vane openings. <i>Science China Technological Sciences</i> , 2019, 62, 2052-2074.	4.0	14
6	Runner blade number influencing RPT runner flow characteristics under off-design conditions. <i>Renewable Energy</i> , 2020, 152, 876-891.	8.9	11
7	Investigation on mutual traveling influences between the draft tube and upstream components of a Francis turbine unit. <i>Renewable Energy</i> , 2020, 162, 973-992.	8.9	6
8	Investigation into Pump Mode Flow Dynamics for a Mixed Flow PAT with Adjustable Runner Blades. <i>Energies</i> , 2021, 14, 2690.	3.1	5
9	Investigation into the outlying swirl instability in the hydro-turbine draft tube under part-load operation. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2021, 235, 139-153.	1.4	3
10	The influence of runner cone perforation on the draft tube vortex in Francis hydro-turbine. <i>Thermal Science</i> , 2018, 22, 557-566.	1.1	2
11	RPT Runner Flow Structures Dependence on Guide Vane Opening Angle: A CFD Numerical Simulation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 192, 012044.	0.3	1
12	Runner Blade Number Influencing the RPT Runner Upstream Flow Characteristics: A CFD Numerical Simulation. , 2019, , .		0
13	PALLIATIVE COUNTERMEASURES FOR THE DRAFT TUBE SURGE IN HYDROPOWER PLANTS: A state-of-the art review.. , 2018, , .		0