

# Kan Kan

## List of Publications by Year in descending order

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22  
papers

618  
citations

840776

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677142

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all docs

22  
docs citations

22  
times ranked

137  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient characteristics during power-off process in a shaft extension tubular pump by using a suitable numerical model. <i>Renewable Energy</i> , 2021, 164, 109-121.	8.9	89
2	Numerical study of turbulent flow past a rotating axial-flow pump based on a level-set immersed boundary method. <i>Renewable Energy</i> , 2021, 168, 960-971.	8.9	74
3	Energy loss mechanism due to tip leakage flow of axial flow pump as turbine under various operating conditions. <i>Energy</i> , 2022, 255, 124532.	8.8	68
4	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
5	Numerical study on the internal flow characteristics of an axial-flow pump under stall conditions. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 4683-4695.	1.5	60
6	Energy loss mechanisms of transition from pump mode to turbine mode of an axial-flow pump under bidirectional conditions. <i>Energy</i> , 2022, 257, 124630.	8.8	56
7	Numerical simulation of transient flow in a shaft extension tubular pump unit during runaway process caused by power failure. <i>Renewable Energy</i> , 2020, 154, 1153-1164.	8.9	47
8	Dynamic stress of impeller blade of shaft extension tubular pump device based on bidirectional fluid-structure interaction. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 1561-1568.	1.5	30
9	Transient characteristics during the co-closing guide vanes and runner blades of a bulb turbine in load rejection process. <i>Renewable Energy</i> , 2021, 165, 28-41.	8.9	21
10	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
11	Study on a horizontal axial flow pump during runaway process with bidirectional operating conditions. <i>Scientific Reports</i> , 2021, 11, 21834.	3.3	17
12	Optimal Model for Complementary Operation of a Photovoltaic-Wind-Pumped Storage System. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-9.	1.1	12
13	Study on hydraulic characteristics of large vertical axial-flow pump used as constant frequency power generation. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2021, 235, 59-69.	1.4	10
14	Numerical study on unidirectional fluid–solid coupling of Francis turbine runner. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401556893.	1.6	9
15	Experimental investigation of a model bulb turbine under steady state and load rejection process. <i>Renewable Energy</i> , 2021, 169, 254-265.	8.9	9
16	Stability Optimization and Analysis of a Bidirectional Shaft Extension Pump. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020, 142, .	1.5	9
17	Development and Numerical Performance Analysis of a Pump Directly Driven by a Hydrokinetic Turbine. <i>Energies</i> , 2019, 12, 4264.	3.1	5
18	Investigation into Pump Mode Flow Dynamics for a Mixed Flow PAT with Adjustable Runner Blades. <i>Energies</i> , 2021, 14, 2690.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Investigation into Influence of Wall Roughness on the Hydraulic Characteristics of an Axial Flow Pump as Turbine. Sustainability, 2022, 14, 8459.	3.2	5
20	Experimental investigation on safety and reliability of ball-eye under bending load in electrical systems. IET Generation, Transmission and Distribution, 2018, 12, 3692-3698.	2.5	4
21	Development and Numerical Performance Analysis of a Micro Turbine in a Tap-Water Pipeline. Sustainability, 2021, 13, 10755.	3.2	3
22	Research on Improved Equivalent Diagonal Strut Model for Masonry-Infilled RC Frame with Flexible Connection. Advances in Civil Engineering, 2019, 2019, 1-18.	0.7	1