

Bikash Kumar Sarkar

List of Publications by Year in descending order

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all docs

23
docs citations

23
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239
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaching Servoclass Tracking Performance by a Proportional Valve-Controlled System. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1425-1430.	5.8	47
2	GA-optimized feedforward-PID tracking control for a rugged electrohydraulic system design. ISA Transactions, 2013, 52, 853-861.	5.7	41
3	Design of an Adaptive Fuzzy-Bias SMC and Validation for a Rugged Electrohydraulic System. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2708-2715.	5.8	38
4	Realtime performance analysis of different combinations of fuzzy PID and bias controllers for a two degree of freedom electrohydraulic parallel manipulator. Robotics and Computer-Integrated Manufacturing, 2015, 34, 62-69.	9.9	37
5	Hydraulically actuated horizontal axis wind turbine pitch control by model free adaptive controller. Renewable Energy, 2020, 147, 55-68.	8.9	34
6	Overall performance analysis and GRA optimization of solar air heater with truncated half conical vortex generators. Solar Energy, 2020, 196, 637-652.	6.1	29
7	Experimental and numerical analysis of solar air heater accoutered with modified conical vortex generators in a staggered fashion. Renewable Energy, 2021, 180, 109-131.	8.9	27
8	GA-Optimized Fuzzy-Feedforward-Bias Control of Motion by a Rugged Electrohydraulic System. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1734-1742.	5.8	23
9	Thermo-hydraulic performance augmentation of solar air duct using modified forms of conical vortex generators. Heat and Mass Transfer, 2019, 55, 1387-1403.	2.1	22
10	Experimentally validated 3D simulation and performance optimization of a solar air duct with modified conical vortex generators. Solar Energy, 2021, 224, 1040-1062.	6.1	18
11	Modeling and validation of a 2-DOF parallel manipulator for pose control application. Robotics and Computer-Integrated Manufacturing, 2018, 50, 234-241.	9.9	16
12	Performance investigations of cross flow hydro turbine with the variation of blade and nozzle entry arc angle. Energy Conversion and Management, 2019, 182, 41-50.	9.2	16
13	Real-time fuzzy-feedforward controller design by bacterial foraging optimization for an electrohydraulic system. Engineering Applications of Artificial Intelligence, 2015, 45, 168-179.	8.1	13
14	Electrohydraulic proportional valve-controlled vane type semi-rotary actuated wind turbine control by feedforward fractional-order feedback controller. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 318-337.	1.0	9
15	Francis turbine electrohydraulic inlet guide vane control by artificial neural network 2 degree-of-freedom PID controller with actuator fault. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 1494-1509.	1.0	9
16	Designing an optimized model-free controller for improved motion tracking by rugged electrohydraulic system. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2016, 230, 385-396.	1.0	8
17	CFD Analysis of The Hydraulic Turbine Draft Tube to Improve System Efficiency. MATEC Web of Conferences, 2016, 40, 02003.	0.2	6
18	Design and Development of the Pineapple Harvesting Robotic Gripper. Smart Innovation, Systems and Technologies, 2022, , 437-454.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Position Control of the Hydraulically Actuated Francis Turbine Inlet Guide Vane. , 2017, , .		2
20	Numerical Investigation on Solar Air Heater with Hemispherical Roughness. , 2018, , .		1
21	Adaptive Control of the Wind Turbine Transmission System for Smooth Power Generation. Lecture Notes in Mechanical Engineering, 2020, , 1411-1423.	0.4	1
22	Numerical Analysis of Solar Triangular Air Duct with Conical Turbulators. , 2018, , .		0
23	Real-Time Pole Placement Control of the Rugged Electrohydraulic System. Lecture Notes in Mechanical Engineering, 2017, , 749-763.	0.4	0