

Raja Singh

List of Publications by Year in Descending Order

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

244
citations

7
h-index

15
g-index

49
ext. papers

405
ext. citations

2.4
avg, IF

4.37
L-index

#	Paper	IF	Citations
36	Hardware-in-Loop-Based Reliability Improvement of Power Converter for Critical Electrical Drive Applications. <i>Energy Systems in Electrical Engineering</i> , 2022 , 275-294	0.3	0
35	An Energy-Efficient Start-Up Strategy for Large Variable Speed Hydro Pump Turbine Equipped with Doubly Fed Asynchronous Machine. <i>Energies</i> , 2022 , 15, 3138	3.1	0
34	Steady State Modeling and Performance Analysis of a Wind Turbine-Based Doubly Fed Induction Generator System with Rotor Control. <i>Energies</i> , 2022 , 15, 3327	3.1	0
33	Optimal design, control and implementation of multi-drones for commercial utility. <i>International Journal of Intelligent Unmanned Systems</i> , 2021 , 9, 336-359	0.9	
32	Thermal Mapping of a High-Speed Electric Motor Used for Traction Applications and Analysis of Various Cooling Methods A Review. <i>Energies</i> , 2021 , 14, 1472	3.1	10
31	Towards the future of smart electric vehicles: Digital twin technology. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 141, 110801	16.2	47
30	Water cooling, PSG, PCM, Cryogenic cooling strategies and thermal analysis (experimental and analytical) of a Permanent Magnet Synchronous Motor: a review. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2021 , 46, 1	1	2
29	Torque ripple minimization of PMSM using an adaptive Elman neural network-controlled feedback linearization-based direct torque control strategy. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31,	2.2	47
28	Microgrid-Based Sustainable E-Bike Charging Station. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2021 , 144-167	0.5	0
27	Impact Analysis of Single Line to Ground Fault on Industrial Loads Using Typhoon HIL. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 63-79	0.2	0
26	Self-commissioning of induction motor drives-A critical review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012003	0.4	0
25	Energy Saving on Industrial Drive Technologies - Past, Present, and Future Perspective. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012005	0.4	1
24	Energy Optimal Intelligent Switching Mechanism for Induction Motors with Time Varying Load. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012017	0.4	1
23	Implementation of on-demand low rate wireless parameter monitoring system for industrial machineries.. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012019	0.4	
22	SMART WATER GRID: AN IoT FRAMEWORK. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012022	0.4	1
21	Dynamic Analysis of Sensorless Controlled Industrial Pump Drive. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012029	0.4	0
20	Design and implementation of Sun Tracking Solar Panel and Smart Wiping Mechanism using Tinkercad. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012030	0.4	1

19	A Review on Power Electronics and Drives in Electric Propulsion System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 937, 012050	0.4	0
18	IoT embedded cloud-based intelligent power quality monitoring system for industrial drive application. <i>Future Generation Computer Systems</i> , 2020 , 112, 884-898	7.5	10
17	Solar Energy Application in Indian Irrigation System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 937, 012016	0.4	2
16	Implementation of FOC based speed control for an E-Rickshaw brushless DC drive. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012026	0.4	0
15	Materials for lightweight electric motors a review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012020	0.4	1
14	Advancement of Inventive Solar Power Based Frameworks for Rural India. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012001	0.4	1
13	Design of a Microgrid Architecture for Rental E-Bike Charging Stations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 906, 012009	0.4	2
12	Inter turn Fault Analysis on Wound Rotor Induction Machine. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 623, 012016	0.4	1
11	Impact of Voltage Variation on Hydroelectric Doubly Fed Machines [An Electro-thermomechanical Investigation 2019 ,		2
10	An IoT Based Home Automation System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 623, 012014	0.4	2
9	Review and experimental illustrations of electronic load controller used in standalone Micro-Hydro generating plants 2018 , 21, 886-900		9
8	Dynamic Performance of Doubly Fed Hydroelectric Machines Under Voltage Unbalance A Relative Electrothermomechanical Analysis. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 4156-4166	4.3	3
7	Implementation of a DC Micro-grid for House Hold Applications 2018 ,		3
6	Design of rogowski coil to measure the power frequency alternating current. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 1605	0.8	
5	Enforcement of cost-effective energy conservation on single-fed asynchronous machine using a novel switching strategy. <i>Energy</i> , 2017 , 126, 179-191	7.9	48
4	Energy conservation on induction motors drives with immune control strategy using full spectrum simulator 2017 ,		1
3	Performance of doubly fed machines influenced to electrical perturbation in pumped storage plant - a comparative electromechanical analysis 2016 ,		1
2	Enforcement of ELC using reduced dump load for micro hydropower plant with the interpretation of switching transients and vibrations 2015 ,		2

- 1 Power electronics in hydro electric energy systems □ A review. *Renewable and Sustainable Energy Reviews*, **2014**, 32, 944-959 16.2 46