

Raja Singh

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4220982/raja-singh-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
35	Towards the future of smart electric vehicles: Digital twin technology. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 141, 110801	16.2	47
34	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
33	Power electronics in hydro electric energy systems [A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 32, 944-959	16.2	46
32	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
31	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
30	Review and experimental illustrations of electronic load controller used in standalone Micro-Hydro generating plants 2018 , 21, 886-900		9
29	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
28	Implementation of a DC Micro-grid for House Hold Applications 2018 ,		3
27	Enforcement of ELC using reduced dump load for micro hydropower plant with the interpretation of switching transients and vibrations 2015 ,		2
26	Solar Energy Application in Indian Irrigation System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 937, 012016	0.4	2
25	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
24	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
23	Impact of Voltage Variation on Hydroelectric Doubly Fed Machines [An Electro-thermomechanical Investigation 2019 ,		2
22	An IoT Based Home Automation System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 623, 012014	0.4	2
21	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
20	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

19	SMART WATER GRID: AN IoT FRAMEWORK. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 906, 012022	0.4	1
18	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
17	Energy conservation on induction motors drives with immune control strategy using full spectrum simulator 2017,		1
16	Materials for lightweight electric motors A review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 906, 012020	0.4	1
15	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
14	Performance of doubly fed machines influenced to electrical perturbation in pumped storage plant - a comparative electromechanical analysis 2016,		1
13	Inter turn Fault Analysis on Wound Rotor Induction Machine. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 623, 012016	0.4	1
12	Self-commissioning of induction motor drives-A critical review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 906, 012003	0.4	0
11	Dynamic Analysis of Sensorless Controlled Industrial Pump Drive. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 906, 012029	0.4	0
10	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
9	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
8	Microgrid-Based Sustainable E-Bike Charging Station. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2021, 144-167	0.5	0
7	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
6	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
5	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
4	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
3	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	
2	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	

- 1 Design of rogowski coil to measure the power frequency alternating current. *International Journal of Engineering and Technology(UAE)*, **2018**, 7, 1605 o.8