Saurabh Shukla

List of Publications by Year
in descending order

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31 papers	373 citations	840776 11 h-index	940533 16 g-index
31 all docs	31 docs citations	31 times ranked	205 citing authors

#	Article	IF	Citations
1	Single-Stage PV Array Fed Speed Sensorless Vector Control of Induction Motor Drive for Water Pumping. IEEE Transactions on Industry Applications, 2018, 54, 3575-3585.	4.9	71
2	Reduced-Sensor-Based PV Array-Fed Direct Torque Control Induction Motor Drive for Water Pumping. IEEE Transactions on Power Electronics, 2019, 34, 5400-5415.	7.9	41
3	Reduced Current Sensor Based Solar PV Fed Motion Sensorless Induction Motor Drive for Water Pumping. IEEE Transactions on Industrial Informatics, 2019, 15, 3973-3986.	11.3	36
4	Sensorless Field Oriented SMCC Based Integral Sliding Mode for Solar PV Based Induction Motor Drive for Water Pumping. IEEE Transactions on Industry Applications, 2020, 56, 5056-5064.	4.9	32
5	Reactive Power Based MRAS for Speed Estimation of Solar Fed Induction Motor With Improved Feedback Linearization for Water Pumping. IEEE Transactions on Industrial Informatics, 2020, 16, 4714-4725.	11.3	31
6	Solar powered sensorless induction motor drive with improved efficiency for water pumping. IET Power Electronics, 2018, 11, 416-426.	2.1	25
7	Single-Stage PV-Grid Interactive Induction Motor Drive With Improved Flux Estimation Technique for Water Pumping With Reduced Sensors. IEEE Transactions on Power Electronics, 2020, 35, 12988-12999.	7.9	24
8	A New Analytical MPPT-Based Induction Motor Drive for Solar PV Water Pumping System With Battery Backup. IEEE Transactions on Industrial Electronics, 2022, 69, 5768-5781.	7.9	23
9	Induction motor drive for PV water pumping with reduced sensors. IET Power Electronics, 2018, 11, 1903-1913.	2.1	16
10	Performance-Based Design of Induction Motor Drive for Single-Stage PV Array Fed Water Pumping. IEEE Transactions on Industry Applications, 2019, 55, 4286-4297.	4.9	16
11	MPPT control technique for solar powered direct torque control of induction motor drive with a robust speed and parameters adaptation scheme for water pumping. IET Renewable Power Generation, 2019, 13, 273-284.	3.1	15
12	Adaptive speed estimation with fuzzy logic control for PVâ€grid interactive induction motor driveâ€based water pumping. IET Power Electronics, 2019, 12, 1554-1562.	2.1	13
13	Single stage SPV array fed speed sensorless vector control of induction motor drive for water pumping. , 2016, , .		6
14	Loss minimization of two stage solar powered speed sensorless vector controlled induction motor drive for water pumping. , 2016, , .		3
15	Flux optimization of PV fed induction motor drive with ANN based current control for water pumping. , 2018, , .		3
16	Improved power quality converter for threeâ€phase gridâ€interfaced PV array fed reduced current sensorâ€based induction motor drive for water pumping. International Transactions on Electrical Energy Systems, 2020, 30, e12304.	1.9	3
17	MRAS based speed estimation of single stage solar powered vector controlled induction motor drive for water pumping. , 2016, , .		2
18	Design and Development of High Efficiency Induction Motor for PV Array Fed Water Pumping. , 2018, , .		2

#	Article	IF	Citations
19	Neuro-Fuzzy Logic Based Control Scheme for PV-Battery Integrated Sensorless Induction Motor Drive for Water Pumping. , 2018, , .		2
20	Improved Performance Design Realization of Fractional kW Induction Motor with Predictive Current Control for Water Pumping. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	2
21	Solar PV array fed speed sensorless vector control of induction motor drive for water pumping. , 2016, , .		1
22	Solar PV fed sensorless DTC of induction motor drive for water pumping. , 2017, , .		1
23	Solomon Knot Monopole Antenna. , 2018, , .		1
24	A PV-Grid Fed DTC Based Induction Motor Drive for Water Pumping. , 2018, , .		1
25	Sensorless Field Oriented ISMCC For Solar PV Based Induction Motor Drive For Water Pumping. , 2019, , .		1
26	An observerâ€based current reconstruction of induction motor driven water pump with improved power flow control by ANN based DPC of PVâ€grid interactive system. IET Power Electronics, 2021, 14, 2194-2206.	2.1	1
27	A Reactive Power Compensated Control Scheme for Solar-Assisted EV Fast-Charging Applications. International Transactions on Electrical Energy Systems, 2022, 2022, 1-12.	1.9	1
28	Segmentation of neuron and measurement of optically programed neurite growth: Fast automation via Bayesian thresholding. , 2015, , .		0
29	An Effective Solar PV Fed Modified Vector Control of IMD for Water Pumping. , 2017, , .		0
30	Neuro-ELO Based Speed Estimation of Improved Designed Induction Motor Drive for Single Stage Photovoltaic Fed Water Pumping. , 2018, , .		0
31	Singleâ€phase gridâ€fed variable frequency highâ€efficiency induction motor drive for fan applications. IET Energy Systems Integration, 0, , .	1.8	0