Soumya R Moahnty

List of Publications by Year
in descending order

42 papers	1,180 citations	623734 14 h-index	642732 23 g-index
42 all docs	42 docs citations	42 times ranked	1022 citing authors

#	Article	IF	Citations
1	Denial-of-service attack resilient control for cyber physical microgrid system. , 2022, , 1-27.		1
2	Evolving Disturbances Detection and Classification in Real-time for Grid-Connected System. IEEE Transactions on Industrial Electronics, 2021, 68, 8265-8273.	7.9	13
3	Fractional Order Control with Super Twisting Observer for AC Microgrid. , 2021, , .		0
4	An adaptive fractional fuzzy sliding mode controlled PSS for transient stability improvement under different system uncertainties. IET Smart Grid, 2021, 4, 61-75.	2.2	7
5	Dynamic Event Driven Robust Control Design with Uncertainty Compensator for Agent Misbehave in Autonomous AC Microgrid. , 2021, , .		0
6	Back Stepping Optimal Scheme with Fractional Order Control for Power System Model. , 2021, , .		1
7	Cyber-Attack Resilient Design of Wide-Area PSS Considering Practical Communication Constraints. IEEE Systems Journal, 2020, 14, 2012-2022.	4.6	16
8	Adaptive Detection of Islanding and Power Quality Disturbances in a Grid-Integrated Photovoltaic System. Arabian Journal for Science and Engineering, 2020, 45, 6297-6310.	3.0	9
9	PMU-Assisted Zone-3 Protection Scheme for PV Integrated Power Systems Immune to Interharmonics. IEEE Systems Journal, 2020, 14, 3267-3276.	4.6	5
10	Event Trigger Super Twisting Sliding Mode Control for DC Micro Grid With Matched/Unmatched Disturbance Observer. IEEE Transactions on Smart Grid, 2020, 11, 3837-3849.	9.0	58
11	Hardware Implementation of Ensemble Empirical Mode Decomposition for Critical PQ Disturbances Detection. , 2020, , .		1
12	Real-Time Implementation of Signal Processing Techniques for Disturbances Detection. IEEE Transactions on Industrial Electronics, 2019, 66, 3550-3560.	7.9	46
13	Distance relaying algorithm for phasor measurement unit assisted zoneâ€3 relays of series compensated wind integrated system. IET Generation, Transmission and Distribution, 2019, 13, 4788-4797.	2.5	12
14	ABC based reduced order modelling of microgrid in grid-tied mode. Control Engineering Practice, 2019, 84, 337-348.	5.5	9
15	Use of Matrix-Pencil Method for Efficient Islanding Detection in Static DG and a Parallel Comparison With DWT Method. IEEE Transactions on Industrial Electronics, 2019, 66, 8937-8946.	7.9	16
16	Classification of Shunt Faults in Double Circuit Lines Using Thresholding Method. , 2018, , .		0
17	Identification of coherency and critical generators set in realâ€time signal. IET Generation, Transmission and Distribution, 2017, 11, 4456-4464.	2.5	7
18	Microgrid protection using Hilbertâ€"Huang transform basedâ€differential scheme. IET Generation, Transmission and Distribution, 2016, 10, 3707-3716.	2.5	138

#	Article	IF	Citations
19	Fault detection and optimal coordination of overcurrent relay in offshore wind farm connected to onshore grid with VSC-HVDC. International Transactions on Electrical Energy Systems, 2016, 26, 841-863.	1.9	6
20	Impact of Communication Delay on Frequency Regulation in Hybrid Power System Using Optimized H-Infinity Controller. IETE Journal of Research, 2016, 62, 356-367.	2.6	15
21	Optimal Over-current Relay Coordination with Distributed Generation Using Hybrid Particle Swarm Optimizationâ€"Gravitational Search Algorithm. Electric Power Components and Systems, 2016, 44, 506-517.	1.8	60
22	Harmonics and interharmonics estimation of wind power plant using sliding window matrix pencil. , 2015, , .		2
23	Power Quality Improvement in Grid-connected Photovoltaicâ€"Fuel Cell Based Hybrid System Using Robust Maximum Power Point Tracking Controller. Electric Power Components and Systems, 2015, 43, 2235-2250.	1.8	20
24	Fault detection for offshore wind farm connected to onshore grid via voltage source converterâ€"high voltage direct current. IET Generation, Transmission and Distribution, 2015, 9, 2544-2554.	2.5	18
25	Comparative Study of Advanced Signal Processing Techniques for Islanding Detection in a Hybrid Distributed Generation System. IEEE Transactions on Sustainable Energy, 2015, 6, 122-131.	8.8	139
26	Controller design with model identification approach in wide area power system. IET Generation, Transmission and Distribution, 2014, 8, 1430-1443.	2.5	14
27	Frequency Regulation in Hybrid Power System Using Iterative Proportional-Integral-DerivativeHâˆžController. Electric Power Components and Systems, 2014, 42, 132-148.	1.8	41
28	Maximum power point tracking of PV system with backstepping control. , 2013, , .		4
29	Comparative assessment of the improvement of output voltage with increased level quasi-Z Source Multilevel inverter. , 2013, , .		0
30	Simulation of the fault voltage waveform in offshore wind farm connected to onshore grid. , 2013, , .		1
31	Classification of Power Quality Disturbances Due to Environmental Characteristics in Distributed Generation System. IEEE Transactions on Sustainable Energy, 2013, 4, 302-313.	8.8	111
32	Islanding and Power Quality Disturbance Detection in Grid-Connected Hybrid Power System Using Wavelet and S-Transform. IEEE Transactions on Smart Grid, 2012, 3, 1082-1094.	9.0	218
33	Frequency control based on H&#x2212E; controller for small hybrid power system. , 2011, , .		6
34	Pond head level control in a run-of-river hydro power plant using fuzzy controller. , 2011, , .		3
35	Fault detection in a series compensated transmission line using discrete wavelet transform and independent component analysis: A comparative study. , 2011, , .		3
36	Harmonic compensation in distributed generation based micro-grid using droop control technique. , 2011, , .		5

#	Article	IF	Citations
37	Abrupt change detection of fault in power system using independent component analysis. , 2011, , .		10
38	Disturbance detection in grid-connected distributed generation system using wavelet and S-transform. Electric Power Systems Research, 2011, 81, 805-819.	3.6	134
39	S-transform based islanding detection in grid-connected distributed generation based power system. , 2010, , .		17
40	Power quality disturbance detection in grid-connected wind energy system using wavelet and S-transform. , 2010, , .		4
41	Coherency determination in grid-connected distributed generation based hybrid system under islanding scenarios. , 2010, , .		8
42	Islanding and coherency detection in distributed generation based hybrid power system. , 2010, , .		2