

# Soumya R Moahnty

## List of Publications by Year in descending order

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42  
papers

1,180  
citations

623734

14  
h-index

642732

23  
g-index

42  
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42  
docs citations

42  
times ranked

1022  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Microgrid protection using Hilbert-Huang transform based differential scheme. IET Generation, Transmission and Distribution, 2016, 10, 3707-3716.	2.5	138
4	Disturbance detection in grid-connected distributed generation system using wavelet and S-transform. Electric Power Systems Research, 2011, 81, 805-819.	3.6	134
5	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
6	Optimal Over-current Relay Coordination with Distributed Generation Using Hybrid Particle Swarm Optimization-Gravitational Search Algorithm. Electric Power Components and Systems, 2016, 44, 506-517.	1.8	60
7	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
8	Real-Time Implementation of Signal Processing Techniques for Disturbances Detection. IEEE Transactions on Industrial Electronics, 2019, 66, 3550-3560.	7.9	46
9	Frequency Regulation in Hybrid Power System Using Iterative Proportional-Integral-Derivative Controller. Electric Power Components and Systems, 2014, 42, 132-148.	1.8	41
10	Power Quality Improvement in Grid-connected Photovoltaic-Fuel Cell Based Hybrid System Using Robust Maximum Power Point Tracking Controller. Electric Power Components and Systems, 2015, 43, 2235-2250.	1.8	20
11	Fault detection for offshore wind farm connected to onshore grid via voltage source converter high voltage direct current. IET Generation, Transmission and Distribution, 2015, 9, 2544-2554.	2.5	18
12	S-transform based islanding detection in grid-connected distributed generation based power system. , 2010, , .		17
13	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
14	Cyber-Attack Resilient Design of Wide-Area PSS Considering Practical Communication Constraints. IEEE Systems Journal, 2020, 14, 2012-2022.	4.6	16
15	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
16	Controller design with model identification approach in wide area power system. IET Generation, Transmission and Distribution, 2014, 8, 1430-1443.	2.5	14
17	Evolving Disturbances Detection and Classification in Real-time for Grid-Connected System. IEEE Transactions on Industrial Electronics, 2021, 68, 8265-8273.	7.9	13
18	Distance relaying algorithm for phasor measurement unit assisted zone relays of series compensated wind integrated system. IET Generation, Transmission and Distribution, 2019, 13, 4788-4797.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Abrupt change detection of fault in power system using independent component analysis. , 2011, , .		10
20	ABC based reduced order modelling of microgrid in grid-tied mode. Control Engineering Practice, 2019, 84, 337-348.	5.5	9
21	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
22	Coherency determination in grid-connected distributed generation based hybrid system under islanding scenarios. , 2010, , .		8
23	Identification of coherency and critical generators set in real-time signal. IET Generation, Transmission and Distribution, 2017, 11, 4456-4464.	2.5	7
24	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
25	Frequency control based on H&#x2212; controller for small hybrid power system. , 2011, , .		6
26	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
27	Harmonic compensation in distributed generation based micro-grid using droop control technique. , 2011, , .		5
28	PMU-Assisted Zone-3 Protection Scheme for PV Integrated Power Systems Immune to Interharmonics. IEEE Systems Journal, 2020, 14, 3267-3276.	4.6	5
29	Power quality disturbance detection in grid-connected wind energy system using wavelet and S-transform. , 2010, , .		4
30	Maximum power point tracking of PV system with backstepping control. , 2013, , .		4
31	Pond head level control in a run-of-river hydro power plant using fuzzy controller. , 2011, , .		3
32	Fault detection in a series compensated transmission line using discrete wavelet transform and independent component analysis: A comparative study. , 2011, , .		3
33	Islanding and coherency detection in distributed generation based hybrid power system. , 2010, , .		2
34	Harmonics and interharmonics estimation of wind power plant using sliding window matrix pencil. , 2015, , .		2
35	Simulation of the fault voltage waveform in offshore wind farm connected to onshore grid. , 2013, , .		1
36	Hardware Implementation of Ensemble Empirical Mode Decomposition for Critical PQ Disturbances Detection. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	Back Stepping Optimal Scheme with Fractional Order Control for Power System Model. , 2021, , .		1
38	Denial-of-service attack resilient control for cyber physical microgrid system. , 2022, , 1-27.		1
39	Comparative assessment of the improvement of output voltage with increased level quasi-Z Source Multilevel inverter. , 2013, , .		0
40	Classification of Shunt Faults in Double Circuit Lines Using Thresholding Method. , 2018, , .		0
41	Fractional Order Control with Super Twisting Observer for AC Microgrid. , 2021, , .		0
42	Dynamic Event Driven Robust Control Design with Uncertainty Compensator for Agent Misbehave in Autonomous AC Microgrid. , 2021, , .		0