Subhransu Sekhar dash

List of Publications by Year
in descending order

103 papers	931 citations	686830 13 h-index	552369 26 g-index
114 all docs	114 docs citations	114 times ranked	875 citing authors

#	Article	IF	Citations
1	Analysis of THD and output voltage performance for cascaded multilevel inverter using carrier pulse width modulation techniques. IET Power Electronics, 2011, 4, 951.	1.5	146
2	Adaptive differential evolution algorithm for solving nonâ€linear coordination problem of directional overcurrent relays. IET Generation, Transmission and Distribution, 2013, 7, 329-336.	1.4	86
3	Design of integral controller for Load Frequency Control of Static Synchronous Series Compensator and Capacitive Energy Source based multi area system consisting of diverse sources of generation employing Imperialistic Competition Algorithm. International Journal of Electrical Power and Energy Systems, 2015, 73, 863-871.	3.3	45
4	A modified whale optimization algorithm-based adaptive fuzzy logic PID controller for load frequency control of autonomous power generation systems. Automatika, 2017, 58, 410-421.	1.2	44
5	Multi Objective Differential Evolution approach for voltage stability constrained reactive power planning problem. International Journal of Electrical Power and Energy Systems, 2014, 59, 155-165.	3.3	42
6	A new maximum power tracking in PV system during partially shaded conditions based on shuffled frog leap algorithm. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 481-493.	1.8	42
7	The effect of hydroxyurea on compound heterozygotes for sickle cellâ€hemoglobin Dâ€Punjabâ€"A single centre experience in eastern India. Pediatric Blood and Cancer, 2014, 61, 1341-1346.	0.8	27
8	Multi-Objective Genetic Algorithm for voltage stability enhancement using rescheduling and FACTS devices. Ain Shams Engineering Journal, 2014, 5, 789-801.	3.5	25
9	Implementation of Line Stability Index for Contingency Analysis and Screening in Power Systems. Journal of Computer Science, 2012, 8, 585-590.	0.5	21
10	Analysis and simulation of matrix converter using PSIM. , 2007, , .		19
11	A PD-type Multi Input Single Output SSSC damping controller design employing hybrid improved differential evolution-pattern search approach. Applied Soft Computing Journal, 2015, 32, 532-543.	4.1	16
12	A dodging algorithm to reconfigure photovoltaic array to negate partial shading effect. Progress in Photovoltaics: Research and Applications, 2016, 24, 200-210.	4.4	15
13	Unified MPPT Controller for Partially Shaded Panels in a Photovoltaic Array. International Journal of Automation and Computing, 2014, 11, 536-542.	4.5	14
14	Power Flow Study Including FACTS Devices. Journal of Applied Sciences, 2010, 10, 1563-1571.	0.1	14
15	Power Electronics and Renewable Energy Systems. Lecture Notes in Electrical Engineering, 2015, , .	0.3	13
16	Stability Index Based Voltage Collapse Prediction and Contingency Analysis. Journal of Electrical Engineering and Technology, 2009, 4, 438-442.	1.2	13
17	Modeling of STATCOM and UPFC for power system steady state operation and control. , 2007, , .		12
18	Multicarrier pulse width modulation methods based three phase cascaded multilevel inverter including over modulation and low modulation indices. , 2009, , .		11

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19	Hysteresis Current Controller based Transformerless Split Inductor-NPC - MLI for Grid Connected PV-System. Procedia Engineering, 2013, 64, 224-233.	1.2	11
20	Power Quality Improvement by Unified Power Quality Conditioner Based on CSC Topology Using Synchronous Reference Frame Theory. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	11
21	Line outage contingency screening and ranking for voltage stability assessment. , 2009, , .		10
22	Simulation of Half Bridge Series Resonant PFC DC to DC converter. , 2010, , .		10
23	Switching Frequency Optimal PWM Based Three Phase Hybrid Multilevel Inverter. Procedia Engineering, 2013, 64, 302-311.	1.2	10
24	Artificial Intelligence and Evolutionary Computations in Engineering Systems. Advances in Intelligent Systems and Computing, 2016, , .	0.5	10
25	Voltage Quality Improvement Using DVR. , 2010, , .		9
26	Design of Unified Power Quality conditioner (UPQC) to improve the power quality problems by using P-Q theory. , 2012, , .		9
27	Power Quality Improvement Features for a Distributed Generation System using Shunt Active Power Filter. Procedia Engineering, 2013, 64, 265-274.	1.2	9
28	Multi-Objective Differential Evolution for Voltage Security Constrained Optimal Power Flow in Deregulated Power Systems. International Journal of Emerging Electric Power Systems, 2013, 14, 591-607.	0.6	9
29	Investigation on a Modified 11-Level Cascaded Inverter Fed by Photovoltaic Array for Standalone Applications. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, .	1.1	9
30	Artificial neural network based voltage stability analysis in power system. , 2016, , .		9
31	Optimal Placement of DG in Distribution System Using Genetic Algorithm. Lecture Notes in Computer Science, 2013, , 639-647.	1.0	9
32	Mitigation of voltage sags and voltage swells by dynamic voltage restorer. , 2011, , .		8
33	Closed loop control of hybrid switching scheme for LLC series-resonant half-bridge DC-DC converter. , 2011, , .		8
34	Design and Implementation of Fuzzy Logic Controller for Online Computer Controlled Steering System for Navigation of a Teleoperated Agricultural Vehicle. Mathematical Problems in Engineering, 2013, 2013, 1-10.	0.6	8
35	GRID VOLTAGE STABILITY ENHANCEMENT USING PHOTOVOLTAIC BASED STATIC SYNCHRONOUS COMPENSATOR. Journal of Computer Science, 2013, 9, 299-307.	0.5	8
36	Zero-one Integer Programming Approach to Determine the Minimum Break Point Set in Multi-loop and Parallel Networks. Journal of Electrical Engineering and Technology, 2012, 7, 151-156.	1.2	8

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37	A novel fuzzy logic controller for STATCOM to improve power system stability. International Journal of Automation and Control, 2007, 1, 4.	0.3	7
38	Implementation of THD and output voltage of three phase cascaded multilevel inverter using multicarrier pulse width modulation techniques. , 2010, , .		7
39	Voltage-based reactive power pricing in deregulated environment using hybrid multi-objective particle swarm optimisation. International Journal of Ambient Energy, 2018, 39, 285-296.	1.4	7
40	Enhanced Salp Swarm Algorithm for Multimodal Optimization and Fuzzy Based Grid Frequency Controller Design. Energies, 2022, 15, 3210.	1.6	7
41	Space vector pulse width modulation based DVR to mitigate voltage sag and swell. , 2013, , .		6
42	Contribution of FACTS devices for VSC-OPF problem using Non- Dominated Sorting Genetic Algorithm -II. , 2013, , .		6
43	DESIGN OF FUZZY LOGIC CONTROLLER FOR ONLINE SPEED REGULATION OF DC MOTOR USING PWM TECHNIQUE BASED ON LABORATORY VIRTUAL INSTRUMENT ENGINEERING WORKBENCH. Journal of Computer Science, 2013, 9, 990-997.	0.5	6
44	Economic Emission OPF Using Hybrid GA-Particle Swarm Optimization. Lecture Notes in Computer Science, 2011, , 167-175.	1.0	6
45	Non Linear Control of STATCOM. , 2010, , .		5
46	A new PR-D (Proportional Resonant and Derivative) controller for resonance damping in a grid connected reverse voltage topology multi-level inverter. , 2017, , .		5
47	Comparison of photo voltaic array based different topologies of cascaded H-bridge multilevel inverter. , 2011, , .		4
48	Simplified structure - a mapped space vector pulse width modulation for three level neutral point diode clamped multilevel inverter. , 2011, , .		4
49	Power Loss Minimization by the Placement of DG in Distribution System Using GA. Lecture Notes in Computer Science, 2012, , 259-266.	1.0	4
50	Determination of minimum break point set using particle swarm optimization for system‑wide protective relay setting and coordination. European Transactions on Electrical Power, 2012, 22, 1126-1135.	1.0	4
51	Power Loss Minimization by the Placement of DG in Distribution System Using PSO. Advances in Intelligent Systems and Computing, 2013, , 497-504.	0.5	4
52	A Single Stage Photovoltaic Inverter With Common Power Factor Control and Maximum Power Point Tracking Circuit. Journal of Solar Energy Engineering, Transactions of the ASME, 2014, 136, .	1.1	4
53	Artificial Intelligence and Evolutionary Algorithms in Engineering Systems. Advances in Intelligent Systems and Computing, 2015, , .	0.5	4
54	Artificial Intelligence and Evolutionary Algorithms in Engineering Systems. Advances in Intelligent Systems and Computing, 2015, , .	0.5	4

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55	Online Control of DC Motors Using Fuzzy Logic Controller for Remote Operated Robots. Journal of Electrical Engineering and Technology, 2014, 9, 352-362.	1.2	4
56	Soft Computing for Voltage Stability Analysis and Contingency Ranking in Power System. , 2009, , .		3
57	A Novel Control Strategy for DVR to Improve Voltage Profile in Wind Farm. Advanced Materials Research, 2013, 768, 344-350.	0.3	3
58	ARTIFICIAL NEURAL NETWORK CONTROLLER BASED DISTRIBUTION STATIC COMPENSATOR FOR VOLTAGE SAG MITIGATION. American Journal of Applied Sciences, 2013, 10, 688-695.	0.1	3
59	COMPARISON OF OPTIMIZATION TECHNIQUE TO FIND THE OPTIMAL LOCATION OF FACTS CONTROLLERS FOR TRANSMISSION LINE. American Journal of Applied Sciences, 2014, 11, 280-290.	0.1	3
60	An Efficient Control Strategy Based Multi Converter UPQC using with Fuzzy Logic Controller for Power Quality Problems. Journal of Electrical Engineering and Technology, 2015, 10, 379-387.	1.2	3
61	Thyristor Controlled Series Capacitor as an Optimizer in an Electrical Market. , 2009, , .		2
62	Control of three phase cascaded multilevel inverter using various novel multicarrier pulse width modulation techniques. , 2010, , .		2
63	A versatile control scheme for UPQC for Power Quality Improvement. , 2011, , .		2
64	Dynamic voltage restorer based on fuzzy logic control for voltage sag restoration. , 2011, , .		2
65	LABVIEW BASED AUTONOMOUS AGRICULTURAL ROBOT USING FUZZY LOGIC CONTROLLER. American Journal of Applied Sciences, 2013, 10, 1413-1418.	0.1	2
66	A new control strategy with fuzzy logic technique in distribution system for power quality issues. , 2014, , .		2
67	Peformance Analysis of LLC-LC Resonant Converter Fed PMDC Motor. International Journal of Control and Automation, 2015, 8, 117-136.	0.3	2
68	Optimal Placement and Sizing of Solar and Wind Based DGs in Distribution Systems for Power Loss Minimization and Economic Operation. Lecture Notes in Electrical Engineering, 2015, , 351-360.	0.3	2
69	Comparison and Simulation of Various PFC Boost Converters. Lecture Notes in Electrical Engineering, 2015, , 1445-1452.	0.3	2
70	A Fuzzy Logic Controller Based Multi Converter UPQC to Enhance the Power Quality Problems. Lecture Notes in Electrical Engineering, 2015, , 453-463.	0.3	2
71	An intelligent control approach for resonance damping in a grid-connected inverter system. International Journal of Electrical Engineering and Education, 2019, , 002072091984874.	0.4	2
72	A novel high-gain DC–DC converter with non-linear carrier controller for photovoltaic applications. International Journal of Electrical Engineering and Education, 2021, 58, 385-402.	0.4	2

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73	Load Frequency Control of Multi Area SSSC and CES Based System Under Deregulation Using Particle Swarm Optimization. International Review of Electrical Engineering, 2015, 10, 154.	0.1	2
74	Notice of Violation of IEEE Publication Principles: Security Enhancement of Optimal Power Flow using Genetic Algorithm. , 2006, , .		1
75	Artificial Neural Network Controlled Shunt Active Power Filter. , 2006, , .		1
76	Digital simulation of low cost fuzzy logic based four-switch three-phase (PWM) inverter fed induction motor drive. , 2007, , 384.		1
77	Performance analysis of three phase cascaded H-bridge multi level inverter for under voltage and over voltage conditions. , 2011, , .		1
78	Compensation of voltage sag and harmonics by dynamic voltage restorer without zero sequence blocking. , 2011, , .		1
79	Intelligent analyzer for home care blood pressure measurement. , 2012, , .		1
80	Voltage Stability Constrained Optimal Power Flow Using Non-dominated Sorting Genetic Algorithm-II (NSGA II). Lecture Notes in Computer Science, 2012, , 793-801.	1.0	1
81	Three Phase Hybrid 7-Level Inverter with 60 Degree PWM Scheme for PV Applications. Advanced Materials Research, 0, 768, 84-89.	0.3	1
82	Analysis of Full Bridge Series Parallel Resonant Converter for Battery Chargers. Advanced Materials Research, 2013, 768, 388-391.	0.3	1
83	Optimum Allocation of Distributed Generation Based on Nodal Pricing for Profit and Social Welfare Maximization. Advanced Materials Research, 0, 768, 364-370.	0.3	1
84	WEB-ENABLED GENERALIZED ARCHITECTURAL MODEL FOR ONLINE POWER SYSTEM ANALYSIS. American Journal of Applied Sciences, 2013, 10, 1093-1101.	0.1	1
85	Hybrid multi-level inverter based shunt active filter for current harmonic mitigation. International Journal of Power Electronics, 2015, 7, 134.	0.1	1
86	Analytical and Simulation Analysis of Stator Tooth on Cogging Torque of Brushless DC Motor Using Finite Element Analysis. Lecture Notes in Electrical Engineering, 2015, , 1-8.	0.3	1
87	Transient Stability Enhancement of a Multi-Machine System Using BFOA. Advances in Intelligent Systems and Computing, 2014, , 31-44.	0.5	1
88	A New Control Strategy Based Multi Converter UPQC Using Fuzzy Logic Controller to Improve the Power Quality Issues. Advances in Electrical and Electronic Engineering, 2014, 12, .	0.2	1
89	Design of Two Feeder Three Phase Four Wire Distribution System Utilizing Multi Converter UPQC with Fuzzy Logic Controller. Advances in Electrical and Electronic Engineering, 2014, 12, .	0.2	1
90	Maximum Power Point Tracking for Wind Power Generation System at Variable Wind Speed using a Hybrid Technique. International Journal of Control and Automation, 2015, 8, 357-372.	0.3	1

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91	Location for Stability Enhancement in Power Systems Based on Voltage Stability Analysis and Contingency Ranking. Communications in Computer and Information Science, 2011, , 73-78.	0.4	0
92	An enhanced methodology for maximum power point tracking in solar powered UPS application. , 2013, , .		0
93	Grid connected hybrid energy system with Maximum power point tracking technique. , 2013, , .		0
94	FPGA Implementation of Three Dimensional SVPWM. Applied Mechanics and Materials, 2013, 392, 501-506.	0.2	0
95	Mitigation of Power Quality Problems Using DSTATCOM with Reduced DC Link Voltage. Advanced Materials Research, 2013, 768, 301-307.	0.3	0
96	Mitigation of Power Quality Issues by Adaptive Current Hysteresis Band Controller Based Shunt Active Filter. Advanced Materials Research, 2013, 768, 329-333.	0.3	0
97	Modelling and Simulation of 3-phase Transformerless Split Inductor Multilevel Inverter for Grid Connected Photovoltaic System. Advanced Materials Research, 0, 768, 75-79.	0.3	0
98	Performance Comparison of DC to DC Boost Converters for Solar Power Installation System. Lecture Notes in Electrical Engineering, 2015, , 497-507.	0.3	0
99	Switched coupled inductor inverter-based interline dynamic voltage restorer with discrete wavelet transform-artificial neural network technique. International Journal of Electrical Engineering and Education, 2019, , 002072091984421.	0.4	0
100	Enhanced Discrete Differential Evolution to Determine Optimal Coordination of Directional Overcurrent Relays in a Power System. Lecture Notes in Computer Science, 2011, , 85-93.	1.0	0
101	A Modified SVPWM Algorithm Providing Solution to Capacitor Balancing Problem in Diode-Clamped MLI in the Entire Modulation Region. , 2012, , .		0
102	Critical lines based Weak Area Clustering using Voltage Stability Analysis and Contingency Ranking in Power System. Journal of Convergence Information Technology, 2012, 7, 131-139.	0.1	0
103	Short Term Hydro Thermal Scheduling Using Invasive Weed Optimization Technique. Smart Innovation, Systems and Technologies, 2015, , 395-405.	0.5	0