

Mithulananthan Nadarajah

List of Publications by Year in descending order

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249
papers

10,296
citations

53660

45
h-index

39575

94
g-index

254
all docs

254
docs citations

254
times ranked

6527
citing authors

#	ARTICLE	IF	CITATIONS
1	A Harmonic Mitigation Technique for Multi-Parallel Grid-Connected Inverters in Distribution Networks. IEEE Transactions on Power Delivery, 2022, 37, 2843-2856.	2.9	11
2	DAB Converter With Q Capability for BESS/EV Applications to Allow V2H/V2G Services. IEEE Transactions on Industry Applications, 2022, 58, 468-480.	3.3	20
3	A Full-Feedforward Technique to Mitigate the Grid Distortion Effect on Parallel Grid-Tied Inverters. IEEE Transactions on Power Electronics, 2022, 37, 8404-8419.	5.4	12
4	Multi-Mode Damping Control Approach for the Optimal Resilience of Renewable-Rich Power Systems. Energies, 2022, 15, 2972.	1.6	2
5	A unified damping controller for non-stationary forced oscillation. International Journal of Electrical Power and Energy Systems, 2022, 143, 108410.	3.3	1
6	RoCoF Restrictive Planning Framework and Wind Speed Forecast Informed Operation Strategy of Energy Storage System. IEEE Transactions on Power Systems, 2021, 36, 224-234.	4.6	26
7	Novel Control Design for Simultaneous Damping of Inter-Area and Forced Oscillation. IEEE Transactions on Power Systems, 2021, 36, 451-463.	4.6	11
8	Sizing HESS as inertial and primary frequency reserve in low inertia power system. IET Renewable Power Generation, 2021, 15, 99-113.	1.7	9
9	A Comprehensive Investigation on High-Frequency Oscillation in DC Microgrid. IEEE Access, 2021, 9, 54850-54861.	2.6	2
10	Framework of virtual microgrids formation using community energy storage in residential networks with rooftop photovoltaic units. Journal of Energy Storage, 2021, 35, 102250.	3.9	6
11	Self-Sustained Autonomous Wireless Sensor Network with Integrated Solar Photovoltaic System for Internet of Smart Home-Building (IoSHB) Applications. Micromachines, 2021, 12, 653.	1.4	22
12	Forced Oscillation Detection Amid Communication Uncertainties. IEEE Systems Journal, 2021, 15, 4644-4655.	2.9	5
13	Impacts of grid-tied microgrid on stability and interaction of power systems considering RE uncertainties. Sustainable Energy, Grids and Networks, 2021, 28, 100537.	2.3	8
14	A New Global Index for Short Term Voltage Stability Assessment. IEEE Access, 2021, 9, 36114-36124.	2.6	10
15	Examination of Effective VAr With Respect to Dynamic Voltage Stability in Renewable Rich Power Grids. IEEE Access, 2021, 9, 75494-75508.	2.6	5
16	An enhanced full-feedforward strategy to mitigate output current harmonics in grid-tied inverters. IET Generation, Transmission and Distribution, 2021, 15, 827-835.	1.4	5
17	Forced Oscillation in Power Systems With Converter Controlled-Based Resources—A Survey With Case Studies. IEEE Access, 2021, 9, 150911-150924.	2.6	6
18	Damping Oscillation and Removing Resonance in a RE Based DC Microgrids. IEEE Access, 2021, 9, 163516-163525.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Impact of Active Current Ramping of Large-Scale PV Plant on the Dynamic Voltage Stability. , 2021, , .		0
20	Dynamic VAR Planning of Large-Scale PV Enriched Grid. , 2021, , .		2
21	Effects of Non-stationary Forced Oscillation on Electromechanical Modes. , 2021, , .		0
22	Multivariate Ensemble Forecast Framework for Demand Prediction of Anomalous Days. IEEE Transactions on Sustainable Energy, 2020, 11, 27-36.	5.9	40
23	A Grid-Support Strategy With PV Units to Boost Short-Term Voltage Stability Under Asymmetrical Faults. IEEE Transactions on Power Systems, 2020, 35, 1120-1131.	4.6	19
24	A review on rapid responsive energy storage technologies for frequency regulation in modern power systems. Renewable and Sustainable Energy Reviews, 2020, 120, 109626.	8.2	145
25	Dynamic voltage stability of unbalanced <sc>DNs</sc> with high penetration of roofâ€PV</sc> units. International Transactions on Electrical Energy Systems, 2020, 30, e12631.	1.2	3
26	Exploring the Dynamic Voltage Signature of Renewable Rich Weak Power System. IEEE Access, 2020, 8, 216529-216542.	2.6	7
27	Solar PV Power Forecasting Using Modified SVR with Gauss-Newton Method. , 2020, , .		6
28	Design of Solar-Powered Charging Station for Electric Vehicles in Power Distribution System. , 2020, , .		6
29	Forced oscillation damping controller for an interconnected power system. IET Generation, Transmission and Distribution, 2020, 14, 339-347.	1.4	15
30	Impact of Fast Charging on Lithium-ion Battery in Electric Vehicle Application. , 2020, , .		2
31	Harmonic Analysis of Multi-Parallel Grid- Connected Inverters in Distribution Networks: Emission and Immunity Issues in the Frequency Range of 0-150 kHz. IEEE Access, 2020, 8, 56379-56402.	2.6	24
32	An improved wind driven optimization algorithm for parameters identification of a triple-diode photovoltaic cell model. Energy Conversion and Management, 2020, 213, 112872.	4.4	51
33	Harmonic analysis of gridâ€connected inverters considering external distortions: addressing harmonic emissions up to 9âkHz. IET Power Electronics, 2020, 13, 1934-1945.	1.5	11
34	Frequency Security Constrained Energy Management in an Isolated Power System. WSEAS Transactions on Power Systems, 2020, 15, 222-229.	0.2	2
35	Impact of PV Plant and Load Models on System Strength and Voltage Recovery of Power Systems. , 2020, , .		0
36	Study of Voltage Oscillation in Multi-Converter Based DC Microgrid. , 2020, , .		1

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37	Dynamic Voltage Signature of Large Scale PV Enriched Stressed Power System. , 2020, , .		2
38	Forced Oscillation in Power System with Renewable Generations. , 2020, , .		0
39	Influence of Induction Motor in Stability of Power System with High Penetration of Large-Scale PV. , 2020, , .		2
40	Dynamic Derivativeâ€“Droop Control for Supercapacitor Synthetic Inertial Support. , 2020, , .		1
41	Coordinated EV charging for correlated EV and grid loads and PV output using a novel, correlated, probabilistic model. International Journal of Electrical Power and Energy Systems, 2019, 104, 335-348.	3.3	41
42	Resilient wideâ€“area multiâ€“mode controller design based on Bat algorithm for power systems with renewable power generation and battery energy storage systems. IET Generation, Transmission and Distribution, 2019, 13, 1884-1894.	1.4	16
43	Large-scale PV Voltage Regulation: Survey of Recent Practice. , 2019, , .		2
44	Impact of Control Systems on Power Quality at Common DC Bus in DC Grid. , 2019, , .		8
45	Short-term Voltage Stability of Distribution Grids With Medium-scale PV Plants due to Asymmetrical Faults. , 2019, , .		0
46	A New Grid-support Strategy with PV Units to Enhance Short-term Voltage Stability. , 2019, , .		0
47	Dynamic voltage stability of unbalanced distribution system with high penetration of singleâ€“phase PV units. Journal of Engineering, 2019, 2019, 4074-4080.	0.6	9
48	System Strength Improvement Using Reactive Compensation for Enhanced PV Hosting Capacity. , 2019, , .		4
49	Investigation of Distributed Generator Impacts on Peak Fault Current Characteristics of Power Networks. , 2019, , .		1
50	Improving Synthetic Inertial Response of Supercapacitor Using Supplementary Control Signal. , 2019, , .		1
51	Investigation of power oscillation at common DC bus in DC grid. , 2019, , .		6
52	Hybrid energy storage system for frequency regulation in microgrids with source and load uncertainties. IET Generation, Transmission and Distribution, 2019, 13, 5048-5057.	1.4	20
53	Enabling resilient wideâ€“area POD at BESS in Java, Indonesia 500kV power grid. IET Generation, Transmission and Distribution, 2019, 13, 3734-3744.	1.4	13
54	A modified backward and forward sweep method for microgrid load flow analysis under different electric vehicle load mathematical models. Electric Power Systems Research, 2019, 168, 46-54.	2.1	20

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55	Design of wide-area POD with resiliency using modified DEA for power systems with high penetration of renewable energy. IET Renewable Power Generation, 2019, 13, 342-351.	1.7	8
56	An Ensemble Framework for Day-Ahead Forecast of PV Output Power in Smart Grids. IEEE Transactions on Industrial Informatics, 2019, 15, 4624-4634.	7.2	67
57	Short-Term Voltage Stability Enhancement in Residential Grid With High Penetration of Rooftop PV Units. IEEE Transactions on Sustainable Energy, 2019, 10, 2211-2222.	5.9	26
58	Optimization based Design of Dual Input PSS for Improving Small Signal Stability of Power System with RESs. International Journal on Electrical Engineering and Informatics, 2019, 11, 778-795.	0.3	4
59	Optimal DG Sizing and Location in Modern Power Grids using PEVs Load Demand Probability. ECTI Transactions on Electrical Engineering, Electronics, and Communications, 2019, 17, 51-59.	0.6	4
60	Suitability of PV and Battery Storage in EV Charging at Business Premises. IEEE Transactions on Power Systems, 2018, 33, 4382-4396.	4.6	28
61	Solar output power forecast using an ensemble framework with neural predictors and Bayesian adaptive combination. Solar Energy, 2018, 166, 226-241.	2.9	51
62	Identification of modal interaction and small signal stability in autonomous microgrid operation. IET Generation, Transmission and Distribution, 2018, 12, 247-257.	1.4	18
63	Analytical approach to assess the loadability of unbalanced distribution grid with rooftop PV units. Applied Energy, 2018, 211, 358-367.	5.1	26
64	Stability of Renewable Energy based Microgrid in Autonomous Operation. Sustainable Energy, Grids and Networks, 2018, 13, 134-147.	2.3	22
65	Development of Impact Indices for Performing Charging of a Large EV Population. IEEE Transactions on Vehicular Technology, 2018, 67, 866-880.	3.9	12
66	Oscillatory stability assessment of microgrid in autonomous operation with uncertainties. IET Renewable Power Generation, 2018, 12, 494-504.	1.7	37
67	Enhancing Damping Performance of Emerging Distribution Systems by Load Controller. IEEE Transactions on Smart Grid, 2018, 9, 3635-3642.	6.2	2
68	Islanding Detection and Enhancement of Microgrid Performance. IEEE Systems Journal, 2018, 12, 3131-3141.	2.9	67
69	Dynamic Voltage Support by TL-PV Systems to Mitigate Short-Term Voltage Instability in Residential DN. IEEE Transactions on Power Systems, 2018, 33, 4360-4370.	4.6	33
70	Modal interaction of power systems with high penetration of renewable energy and BES systems. International Journal of Electrical Power and Energy Systems, 2018, 97, 385-395.	3.3	53
71	A Day-Ahead Forecasting Model for Probabilistic EV Charging Loads at Business Premises. IEEE Transactions on Sustainable Energy, 2018, 9, 741-753.	5.9	56
72	PV based EV charging at universities using supplied historical PV output ramp. Renewable Energy, 2018, 118, 306-327.	4.3	18

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73	Optimal Sizing and Location of the Charging Station for Plug-in Electric Vehicles Using the Particle Swarm Optimization Technique. , 2018, , .		15
74	Simultaneous Parameter Optimization for Coordinated Control of BESS and DIPSS using Clonal Selection. , 2018, , .		0
75	Dynamic Voltage Stability of Distribution Grids with Fast Charging Stations for EV Units. , 2018, , .		5
76	Examination of Low-Frequency Oscillatory Stability of Power systems with Detailed Wind Farm Model. , 2018, , .		1
77	Comparison of Battery Energy Storage Models for Small Signal Stability in Power System. , 2018, , .		4
78	Low-Frequency Oscillatory Stability Study on 500 kV Java-Indonesian Electric Grid. , 2018, , .		6
79	Estimation of the Quick Charging Station for Electric Vehicles based on Location and Population Density Data. International Journal of Intelligent Engineering and Systems, 2018, 11, 233-241.	0.8	8
80	Design of a robust controller for doubly fed induction generator to damp low frequency oscillations in emerging distribution systems. International Journal of Ambient Energy, 2017, 38, 663-671.	1.4	2
81	Multiple community energy storage planning in distribution networks using a cost-benefit analysis. Applied Energy, 2017, 190, 453-463.	5.1	127
82	Investigation into transmission options for cross-border power trading in ASEAN power grid. Energy Policy, 2017, 108, 91-101.	4.2	37
83	An intelligent hybrid short-term load forecasting model for smart power grids. Sustainable Cities and Society, 2017, 31, 264-275.	5.1	69
84	Intelligent Network Integration of Distributed Renewable Generation. Green Energy and Technology, 2017, , .	0.4	20
85	Distribution System Modelling. Green Energy and Technology, 2017, , 21-28.	0.4	1
86	PV Integration. Green Energy and Technology, 2017, , 47-67.	0.4	0
87	Strategic allocation of community energy storage in a residential system with rooftop PV units. Applied Energy, 2017, 206, 159-171.	5.1	36
88	Demand forecast of PV integrated bioclimatic buildings using ensemble framework. Applied Energy, 2017, 208, 1626-1638.	5.1	37
89	Optimal Allocation of Distributed Generation Using Hybrid Grey Wolf Optimizer. IEEE Access, 2017, 5, 14807-14818.	2.6	179
90	Influence of BES system on local and inter-area oscillation of power system with high penetration of PV plants. , 2017, , .		19

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91	ASEAN power grid: A secure transmission infrastructure for clean and sustainable energy for South-East Asia. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 1420-1435.	8.2	61
92	Impact of battery energy storage systems on electromechanical oscillations in power systems. , 2017, , .		17
93	Characterization of charging load for a large number of EV units in distribution grids. , 2017, , .		2
94	A multivariate ensemble framework for short term solar photovoltaic output power forecast. , 2017, , .		3
95	A new algorithm based on logarithm decrement to estimate the damping ratio for power system oscillation. , 2017, , .		1
96	Dynamic behavior of transformerless PV system on the short-term voltage stability of distribution network. , 2017, , .		9
97	Dynamic droop control in microgrid for stability enhancement considering RES variation. , 2017, , .		2
98	Enabling BES in large PV plant for stability enhancement of power systems with high RES. , 2017, , .		6
99	Probabilistic small signal stability analysis of autonomous wind-diesel microgrid. , 2017, , .		2
100	Estimation of vehicle-to-grid service capacity at business premises using aggregate model. , 2017, , .		4
101	Stability Cogitated Electric Vehicle Charging Infrastructure Planning. <i>International Journal of Smart Grid and Sustainable Energy Technologies</i> , 2017, 1, 10-14.	0.1	1
102	Impacts of EV charging on business premises: A case study of the university of Queensland. , 2016, , .		2
103	An improved neural ensemble framework for accurate PV output power forecast. , 2016, , .		9
104	Multifunctional control of single-phase transformerless PV inverter connected to a distribution network. , 2016, , .		2
105	An improved WT and NN ensemble demand forecast model for PV integrated smart buildings. , 2016, , .		3
106	Daily EV load profile of an EV charging station at business premises. , 2016, , .		24
107	Microgrid impact on low frequency oscillation and resonance in power system. , 2016, , .		13
108	A review on topologies for fast charging stations for electric vehicles. , 2016, , .		49

#	ARTICLE	IF	CITATIONS
109	Fuzzy embedded MPPT modeling and control of PV system in a hybrid power system. , 2016, , .		11
110	Optimal scheduling of PHEVs in a PV based charging station. , 2016, , .		3
111	Feasibility of PV and battery energy storage based EV charging in different charging stations. , 2016, , .		10
112	A comprehensive community energy storage planning strategy based on a cost-benefit analysis. , 2016, , .		6
113	On recent advances in PV output power forecast. Solar Energy, 2016, 136, 125-144.	2.9	372
114	Practical approach to facilitate photovoltaic integration in distribution systems. Journal of Engineering, 2016, 2016, 80-87.	0.6	1
115	Harmonic impact of high penetration photovoltaic system on unbalanced distribution networks “learning from an urban photovoltaic network. IET Renewable Power Generation, 2016, 10, 485-494.	1.7	73
116	Technical Challenges, Security and Risk in Grid Integration of Renewable Energy. Studies in Systems, Decision and Control, 2016, , 99-118.	0.8	12
117	Load levelling and loss reduction by ES in a primary distribution system with PV units. , 2015, , .		0
118	Renewable energy development in Australia: Regulatory to technical challenges. , 2015, , .		0
119	Influence of renewable energy based microgrid on low frequency oscillation of power systems. , 2015, , .		13
120	Optimizing and testing of batteries for a smart grid. , 2015, , .		0
121	A loss sensitivity factor method for locating ES in a distribution system with PV units. , 2015, , .		8
122	Dynamic load control at a bidirectional DC fast charging station for PEVs in weak AC grids. , 2015, , .		4
123	EV charging station design with PV and energy storage using energy balance analysis. , 2015, , .		5
124	Field investigation of voltage quality issues in distribution network with PV penetration. , 2015, , .		8
125	Possible impact of large scale wind energy integration on small signal stability. , 2015, , .		10
126	Comprehensive Modelling and Small Signal Stability Analysis of RES-based Microgrid. IFAC-PapersOnLine, 2015, 48, 282-287.	0.5	9

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127	A review on the state-of-the-art technologies of electric vehicle, its impacts and prospects. Renewable and Sustainable Energy Reviews, 2015, 49, 365-385.	8.2	718
128	Dynamic voltage stability of distribution system with a high penetration of rooftop PV units. , 2015, , .		15
129	Harmonic characterization of grid connected PV systems & validation with field measurements. , 2015, , .		25
130	Fault-Location Scheme for Power Distribution System with Distributed Generation. IEEE Transactions on Power Delivery, 2015, 30, 1187-1195.	2.9	109
131	A comprehensive planning framework for electric vehicle charging infrastructure deployment in the power grid with enhanced voltage stability. International Transactions on Electrical Energy Systems, 2015, 25, 1022-1040.	1.2	39
132	Bi-directional electric vehicle fast charging station with novel reactive power compensation for voltage regulation. International Journal of Electrical Power and Energy Systems, 2015, 64, 300-310.	3.3	139
133	A combined practical approach for distribution system loss reduction. International Journal of Ambient Energy, 2015, 36, 123-131.	1.4	33
134	A review of key power system stability challenges for large-scale PV integration. Renewable and Sustainable Energy Reviews, 2015, 41, 1423-1436.	8.2	355
135	PEV Load and Its Impact on Static Voltage Stability. Power Systems, 2015, , 221-248.	0.3	9
136	Community energy storage, a critical element in smart grid: A review of technology, prospect, challenges and opportunity. , 2014, , .		6
137	Harmonic emissions in grid connected PV systems: A case study on a large scale rooftop PV site. , 2014, , .		26
138	Influence of wind energy integration on low frequency oscillatory instability of power system. , 2014, , .		12
139	Development of dynamic EV load model for power system oscillatory stability studies. , 2014, , .		6
140	An analytical approach to assess static voltage stability of distribution system with rooftop PV units. , 2014, , .		7
141	Low-order robust damping controller design for large-scale PV power plants. , 2014, , .		4
142	Integrating PV systems into distribution networks with battery energy storage systems. , 2014, , .		12
143	Effect of PV power injection in unbalanced distribution systems. , 2014, , .		5
144	Expanding power system analysis toolbox (PSAT) functionalities for better result interpretation. , 2014, , .		3

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145	Optimal placement of dispatchable and nondispatchable renewable DG units in distribution networks for minimizing energy loss. International Journal of Electrical Power and Energy Systems, 2014, 55, 179-186.	3.3	173
146	Impact of electric vehicle fast charging on power system voltage stability. International Journal of Electrical Power and Energy Systems, 2014, 57, 241-249.	3.3	262
147	Integration of PV and BES units in commercial distribution systems considering energy loss and voltage stability. Applied Energy, 2014, 113, 1162-1170.	5.1	212
148	Small-Disturbance Angle Stability Control With High Penetration of Renewable Generations. IEEE Transactions on Power Systems, 2014, 29, 1463-1472.	4.6	31
149	Design of Non-Interacting Controllers for PV Systems in Distribution Networks. IEEE Transactions on Power Systems, 2014, 29, 2763-2774.	4.6	16
150	Loss reduction and loadability enhancement with DG: A dual-index analytical approach. Applied Energy, 2014, 115, 233-241.	5.1	92
151	An optimal investment planning framework for multiple distributed generation units in industrial distribution systems. Applied Energy, 2014, 124, 62-72.	5.1	78
152	Distributed control scheme to regulate power flow and minimize interactions in multiple microgrids. , 2014, , .		6
153	Determining PV Penetration for Distribution Systems With Time-Varying Load Models. IEEE Transactions on Power Systems, 2014, 29, 3048-3057.	4.6	247
154	A Review of Interconnection Rules for Large-Scale Renewable Power Generation. Green Energy and Technology, 2014, , 151-171.	0.4	7
155	VAR Planning With Tuning of STATCOM in a DG Integrated Industrial System. IEEE Transactions on Power Delivery, 2013, 28, 875-885.	2.9	40
156	Impact of electric vehicle load on power system oscillatory stability. , 2013, , .		12
157	Investigating static voltage stability of distribution system with rooftop PV units. , 2013, , .		2
158	Assessing the impact of loss reduction on distributed generation investment decisions. , 2013, , .		2
159	Test systems for dynamic stability studies in electric power system. , 2013, , .		8
160	Multiple Distributed Generator Placement in Primary Distribution Networks for Loss Reduction. IEEE Transactions on Industrial Electronics, 2013, 60, 1700-1708.	5.2	603
161	An Index for STATCOM Placement to Facilitate Grid Integration of DER. IEEE Transactions on Sustainable Energy, 2013, 4, 451-460.	5.9	24
162	Location and Sizing of Distributed Generation Units for Loadability Enhancement in Primary Feeder. IEEE Systems Journal, 2013, 7, 797-806.	2.9	100

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163	Large-Scale PV Plant With a Robust Controller Considering Power Oscillation Damping. IEEE Transactions on Energy Conversion, 2013, 28, 106-116.	3.7	118
164	Comprehensive comparison of FACTS devices for exclusive loadability enhancement. IEEE Transactions on Electrical and Electronic Engineering, 2013, 8, 7-18.	0.8	10
165	Impact of large scale photovoltaic system on static voltage stability in sub-transmission network. , 2013, , .		12
166	Application of Three-level Diode-clamped Converter on 10kW Distribution Voltage Restorer. Energy Procedia, 2013, 34, 116-129.	1.8	5
167	Control Strategies for Augmenting LVRT Capability of DFIGs in Interconnected Power Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 2510-2522.	5.2	71
168	Analytical strategies for renewable distributed generation integration considering energy loss minimization. Applied Energy, 2013, 105, 75-85.	5.1	236
169	Oscillatory stability analysis with high penetrations of large-scale photovoltaic generation. Energy Conversion and Management, 2013, 65, 420-429.	4.4	77
170	A study of load and line characteristics on power system damping performance. , 2013, , .		3
171	Power quality enhancement in unbalanced distribution network using Solar-DSTATCOM. , 2013, , .		16
172	Planning of electric vehicle charging infrastructure. , 2013, , .		14
173	Steady state voltage control in distribution system using a customer-weighted method. , 2013, , .		0
174	Wide-area measurement signal-based stabiliser for large-scale photovoltaic plants with high variability and uncertainty. IET Renewable Power Generation, 2013, 7, 614-622.	1.7	35
175	A simple approach for distributed generation integration considering benefits for DNO. , 2012, , .		4
176	A study of fault ride through with widespread grid integration of distributed generation. , 2012, , .		0
177	Alternative analytical approaches for renewable DG allocation for energy loss minimization. , 2012, , .		7
178	Reactive Power Loss Sensitivity Approach in Placing FACTS Devices and UPFC. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 416-421.	0.4	3
179	Design of robust power oscillation damping controller for large-scale PV plant. , 2012, , .		8
180	Modeling and planning of EV fast charging station in power grid. , 2012, , .		44

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181	Analysis and mitigation of transient overvoltage with integration of small scale power-electronic interfaced DG. , 2012, , .		5
182	An optimal operating strategy of DG unit for power loss reduction in distribution systems. , 2012, , .		22
183	Damping performance analysis of battery energy storage system, ultracapacitor and shunt capacitor with large-scale photovoltaic plants. Applied Energy, 2012, 96, 235-244.	5.1	52
184	Assessment and Enhancement of Small Signal Stability of a Renewable-Energy-Based Electricity Distribution System. IEEE Transactions on Sustainable Energy, 2012, 3, 407-415.	5.9	36
185	Effects of partial shading on Photovoltaic with advanced MPPT scheme. , 2012, , .		16
186	Enhancing small signal stability of an emerging distribution system by a coordinated controller. , 2012, , .		0
187	Robust control strategy for PV system integration in distribution systems. Applied Energy, 2012, 99, 355-362.	5.1	47
188	Dynamic interactions among multiple DER controllers in distribution systems. , 2012, , .		3
189	Multi-objective microgrid planning by NSGA-II in primary distribution system. European Transactions on Electrical Power, 2012, 22, 170-187.	1.0	44
190	Development of a dynamic model of solar farm and its impact on weak power system. , 2011, , .		0
191	Performance of power oscillation damping controllers with different static load characteristics. , 2011, , .		3
192	Overview of the impacts of plug-in electric vehicles on the power grid. , 2011, , .		65
193	A grid compatible methodology for reactive power compensation in renewable based distribution system. , 2011, , .		7
194	Effect of wind farms with doubly fed induction generators on small-signal stability — A case study on Australian equivalent system. , 2011, , .		11
195	GIS based distribution load flow for better planning and operation. , 2011, , .		3
196	An approach to control a photovoltaic generator to damp low frequency oscillations in an emerging distribution system. , 2011, , .		8
197	Performance Enhancement of DVR for Mitigating Voltage Sag/Swell using Vector Control Strategy. Energy Procedia, 2011, 9, 366-379.	1.8	8
198	A control methodology for renewable energy integrations in distribution systems. , 2011, , .		1

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199	Power system voltage stability as affected by large-scale PV penetration. , 2011, , .		12
200	New technique for computation of closest Hopf bifurcation point using real-coded genetic algorithm. IET Generation, Transmission and Distribution, 2011, 5, 11.	1.4	13
201	Contribution of PV systems with ultra capacitor energy storage on inter-area oscillation. , 2011, , .		12
202	Stability evaluation of distributed generator integrated system with index based placement of STATCOM. , 2011, , .		2
203	Distributed Generation: A Power System Perspective. , 2011, , 563-585.		2
204	DG Allocation in Primary Distribution Systems Considering Loss Reduction. , 2011, , 587-635.		12
205	Understanding Low-Frequency Oscillation in Power Systems. International Journal of Electrical Engineering and Education, 2010, 47, 248-262.	0.4	107
206	Impact of widespread penetrations of renewable generation on distribution system stability. , 2010, , .		14
207	Loss minimization and capacity saving in residential networks - an AIT case study. , 2010, , .		1
208	On-line Monitoring of Proximity to Voltage Collapse Using a New Index Based on Local Signals. Electric Power Components and Systems, 2010, 38, 1498-1512.	1.0	6
209	Micro-grid control of PV-Wind-Diesel hybrid system with islanded and grid connected operations. , 2010, , .		16
210	Distributed generators placement for loadability enhancement based on reactive power margin. , 2010, , .		10
211	Analytical Expressions for DG Allocation in Primary Distribution Networks. IEEE Transactions on Energy Conversion, 2010, 25, 814-820.	3.7	575
212	Impact of large-scale PV penetration on power system oscillatory stability. , 2010, , .		52
213	Investigation of small signal stability of a renewable energy based electricity distribution system. , 2010, , .		23
214	Decentralized power system damping controller design using H_{∞} loop-shaping technique. , 2010, , .		0
215	Electrical power exchange in GMS and its influence on power systems in Vietnam and Thailand. , 2010, , .		0
216	Application of distributed generation to enhance loadability of distribution system, a case study. , 2009, , .		3

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217	Voltage stability in power network when connected wind farm generators. , 2009, , .		11
218	Interconnection of PV based generator and its impact on Bangladesh power system stability. , 2009, , .		0
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