

Mithulananthan Nadarajah

List of Publications by Year in descending order

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Version: 2024-02-01

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	An analytical approach for DG allocation in primary distribution network. International Journal of Electrical Power and Energy Systems, 2006, 28, 669-678.	3.3	870
2	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
3	Multiple Distributed Generator Placement in Primary Distribution Networks for Loss Reduction. IEEE Transactions on Industrial Electronics, 2013, 60, 1700-1708.	5.2	603
4	Analytical Expressions for DG Allocation in Primary Distribution Networks. IEEE Transactions on Energy Conversion, 2010, 25, 814-820.	3.7	575
5	On recent advances in PV output power forecast. Solar Energy, 2016, 136, 125-144.	2.9	372
6	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
7	Comparison of PSS, SVC, and STATCOM controllers for damping power system oscillations. IEEE Transactions on Power Systems, 2003, 18, 786-792.	4.6	321
8	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
9	Determining PV Penetration for Distribution Systems With Time-Varying Load Models. IEEE Transactions on Power Systems, 2014, 29, 3048-3057.	4.6	247
10	Analytical strategies for renewable distributed generation integration considering energy loss minimization. Applied Energy, 2013, 105, 75-85.	5.1	236
11	Locating series FACTS devices for congestion management in deregulated electricity markets. Electric Power Systems Research, 2007, 77, 352-360.	2.1	220
12	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
13	Optimal DG placement in deregulated electricity market. Electric Power Systems Research, 2007, 77, 1627-1636.	2.1	205
14	Optimal Allocation of Distributed Generation Using Hybrid Grey Wolf Optimizer. IEEE Access, 2017, 5, 14807-14818.	2.6	179
15	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
16	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
17	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
18	Multiple community energy storage planning in distribution networks using a cost-benefit analysis. Applied Energy, 2017, 190, 453-463.	5.1	127

#	ARTICLE	IF	CITATIONS
19	Large-Scale PV Plant With a Robust Controller Considering Power Oscillation Damping. IEEE Transactions on Energy Conversion, 2013, 28, 106-116.	3.7	118
20	Fault-Location Scheme for Power Distribution System with Distributed Generation. IEEE Transactions on Power Delivery, 2015, 30, 1187-1195.	2.9	109
21	Understanding Low-Frequency Oscillation in Power Systems. International Journal of Electrical Engineering and Education, 2010, 47, 248-262.	0.4	107
22	Comparison of Shunt Capacitor, SVC and STATCOM in Static Voltage Stability Margin Enhancement. International Journal of Electrical Engineering and Education, 2004, 41, 158-171.	0.4	102
23	Location and Sizing of Distributed Generation Units for Loadability Enhancement in Primary Feeder. IEEE Systems Journal, 2013, 7, 797-806.	2.9	100
24	A Maximum Loading Margin Method for Static Voltage Stability in Power Systems. IEEE Transactions on Power Systems, 2006, 21, 799-808.	4.6	97
25	Loss reduction and loadability enhancement with DG: A dual-index analytical approach. Applied Energy, 2014, 115, 233-241.	5.1	92
26	ASEAN towards clean and sustainable energy: Potentials, utilization and barriers. Renewable Energy, 2007, 32, 1441-1452.	4.3	82
27	An optimal investment planning framework for multiple distributed generation units in industrial distribution systems. Applied Energy, 2014, 124, 62-72.	5.1	78
28	Oscillatory stability analysis with high penetrations of large-scale photovoltaic generation. Energy Conversion and Management, 2013, 65, 420-429.	4.4	77
29	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
30	Control Strategies for Augmenting LVRT Capability of DFIGs in Interconnected Power Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 2510-2522.	5.2	71
31	An intelligent hybrid short-term load forecasting model for smart power grids. Sustainable Cities and Society, 2017, 31, 264-275.	5.1	69
32	Linear Performance Indices to Predict Oscillatory Stability Problems in Power Systems. IEEE Transactions on Power Systems, 2004, 19, 1104-1114.	4.6	68
33	Islanding Detection and Enhancement of Microgrid Performance. IEEE Systems Journal, 2018, 12, 3131-3141.	2.9	67
34	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
35	Overview of the impacts of plug-in electric vehicles on the power grid. , 2011, , .		65
36	ASEAN power grid: A secure transmission infrastructure for clean and sustainable energy for South-East Asia. Renewable and Sustainable Energy Reviews, 2017, 67, 1420-1435.	8.2	61

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37	A proposal for investment recovery of FACTS devices in deregulated electricity markets. Electric Power Systems Research, 2007, 77, 695-703.	2.1	56
38	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
39	Distribution System Voltage Regulation and Var Compensation for Different Static Load Models. International Journal of Electrical Engineering and Education, 2000, 37, 384-395.	0.4	55
40	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
41	Impact of large-scale PV penetration on power system oscillatory stability. , 2010, , .		52
42	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
43	A Comprehensive Comparison of FACTS Devices for Enhancing Static Voltage Stability. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	51
44	Solar output power forecast using an ensemble framework with neural predictors and Bayesian adaptive combination. Solar Energy, 2018, 166, 226-241.	2.9	51
45	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
46	Influence of TCSC on congestion and spot price in electricity market with bilateral contract. Electric Power Systems Research, 2007, 77, 1010-1018.	2.1	49
47	A review on topologies for fast charging stations for electric vehicles. , 2016, , .		49
48	Robust control strategy for PV system integration in distribution systems. Applied Energy, 2012, 99, 355-362.	5.1	47
49	Static Voltage Stability Margin Enhancement Using STATCOM, TCSC and SSSC. , 0, , .		45
50	Modeling and planning of EV fast charging station in power grid. , 2012, , .		44
51	Multi-objective microgrid planning by NSGA-II in primary distribution system. European Transactions on Electrical Power, 2012, 22, 170-187.	1.0	44
52	Influence of Constant Speed Wind Turbine Generator on Power System Oscillation. Electric Power Components and Systems, 2009, 37, 478-494.	1.0	42
53	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
54	VAR Planning With Tuning of STATCOM in a DG Integrated Industrial System. IEEE Transactions on Power Delivery, 2013, 28, 875-885.	2.9	40

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55	Multivariate Ensemble Forecast Framework for Demand Prediction of Anomalous Days. IEEE Transactions on Sustainable Energy, 2020, 11, 27-36.	5.9	40
56	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
57	On the linear profile of indices for the prediction of saddle-node and limit-induced bifurcation points in power systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 1588-1595.	0.1	38
58	Investigation into transmission options for cross-border power trading in ASEAN power grid. Energy Policy, 2017, 108, 91-101.	4.2	37
59	Demand forecast of PV integrated bioclimatic buildings using ensemble framework. Applied Energy, 2017, 208, 1626-1638.	5.1	37
60	Oscillatory stability assessment of microgrid in autonomous operation with uncertainties. IET Renewable Power Generation, 2018, 12, 494-504.	1.7	37
61	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
62	Strategic allocation of community energy storage in a residential system with rooftop PV units. Applied Energy, 2017, 206, 159-171.	5.1	36
63	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
64	A combined practical approach for distribution system loss reduction. International Journal of Ambient Energy, 2015, 36, 123-131.	1.4	33
65	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
66	Small-Disturbance Angle Stability Control With High Penetration of Renewable Generations. IEEE Transactions on Power Systems, 2014, 29, 1463-1472.	4.6	31
67	Suitability of PV and Battery Storage in EV Charging at Business Premises. IEEE Transactions on Power Systems, 2018, 33, 4382-4396.	4.6	28
68	Locating Distributed Generator in the LMP-based Electricity Market for Social Welfare Maximization. Electric Power Components and Systems, 2007, 35, 489-503.	1.0	26
69	Potential of sustainable energy technologies under CDM in Thailand: Opportunities and barriers. Renewable Energy, 2008, 33, 2122-2133.	4.3	26
70	Harmonic emissions in grid connected PV systems: A case study on a large scale rooftop PV site. , 2014, , .		26
71	Analytical approach to assess the loadability of unbalanced distribution grid with rooftop PV units. Applied Energy, 2018, 211, 358-367.	5.1	26
72	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

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73	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
74	Harmonic characterization of grid connected PV systems & validation with field measurements. , 2015, , .		25
75	An Index for STATCOM Placement to Facilitate Grid Integration of DER. IEEE Transactions on Sustainable Energy, 2013, 4, 451-460.	5.9	24
76	Daily EV load profile of an EV charging station at business premises. , 2016, , .		24
77	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
78	Dynamic Control Strategy in Medium Voltage DVR for Mitigating Voltage Sags/Swells. , 2006, , .		23
79	Investigation of small signal stability of a renewable energy based electricity distribution system. , 2010, , .		23
80	An optimal operating strategy of DG unit for power loss reduction in distribution systems. , 2012, , .		22
81	Stability of Renewable Energy based Microgrid in Autonomous Operation. Sustainable Energy, Grids and Networks, 2018, 13, 134-147.	2.3	22
82	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
83	Distributed Generator Placement to Maximize the Loadability of a Distribution System. International Journal of Electrical Engineering and Education, 2006, 43, 107-118.	0.4	20
84	Intelligent Network Integration of Distributed Renewable Generation. Green Energy and Technology, 2017, , .	0.4	20
85	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
86	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
87	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
88	Influence of BES system on local and inter-area oscillation of power system with high penetration of PV plants. , 2017, , .		19
89	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
90	Identification of modal interaction and small signal stability in autonomous microgrid operation. IET Generation, Transmission and Distribution, 2018, 12, 247-257.	1.4	18

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91	PV based EV charging at universities using supplied historical PV output ramp. Renewable Energy, 2018, 118, 306-327.	4.3	18
92	Impact of battery energy storage systems on electromechanical oscillations in power systems. , 2017, , .		17
93	Micro-grid control of PV-Wind-Diesel hybrid system with islanded and grid connected operations. , 2010, , .		16
94	Effects of partial shading on Photovoltaic with advanced MPPT scheme. , 2012, , .		16
95	Power quality enhancement in unbalanced distribution network using Solar-DSTATCOM. , 2013, , .		16
96	Design of Non-Interacting Controllers for PV Systems in Distribution Networks. IEEE Transactions on Power Systems, 2014, 29, 2763-2774.	4.6	16
97	Resilient wide-area multi-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
98	Tuning, performance and interactions of PSS and FACTS controllers. , 0, , .		15
99	Hopf bifurcations and critical mode damping of power systems for different static load models. , 0, , .		15
100	Dynamic voltage stability of distribution system with a high penetration of rooftop PV units. , 2015, , .		15
101	Optimal Sizing and Location of the Charging Station for Plug-in Electric Vehicles Using the Particle Swarm Optimization Technique. , 2018, , .		15
102	Forced oscillation damping controller for an interconnected power system. IET Generation, Transmission and Distribution, 2020, 14, 339-347.	1.4	15
103	An economical generation direction for power system static voltage stability. Electric Power Systems Research, 2006, 76, 1075-1083.	2.1	14
104	Impact of widespread penetrations of renewable generation on distribution system stability. , 2010, , .		14
105	Planning of electric vehicle charging infrastructure. , 2013, , .		14
106	Investigation of a voltage collapse incident in Sri Lankan power system network. , 0, , .		13
107	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
108	Influence of renewable energy based microgrid on low frequency oscillation of power systems. , 2015, , .		13

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109	Microgrid impact on low frequency oscillation and resonance in power system. , 2016, , .		13
110	Enabling resilient wide-area POD at BESS in Java, Indonesia 500kV power grid. IET Generation, Transmission and Distribution, 2019, 13, 3734-3744.	1.4	13
111	Power system voltage stability as affected by large-scale PV penetration. , 2011, , .		12
112	Contribution of PV systems with ultra capacitor energy storage on inter-area oscillation. , 2011, , .		12
113	DG Allocation in Primary Distribution Systems Considering Loss Reduction. , 2011, , 587-635.		12
114	Impact of electric vehicle load on power system oscillatory stability. , 2013, , .		12
115	Impact of large scale photovoltaic system on static voltage stability in sub-transmission network. , 2013, , .		12
116	Influence of wind energy integration on low frequency oscillatory instability of power system. , 2014, , .		12
117	Integrating PV systems into distribution networks with battery energy storage systems. , 2014, , .		12
118	Development of Impact Indices for Performing Charging of a Large EV Population. IEEE Transactions on Vehicular Technology, 2018, 67, 866-880.	3.9	12
119	Technical Challenges, Security and Risk in Grid Integration of Renewable Energy. Studies in Systems, Decision and Control, 2016, , 99-118.	0.8	12
120	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
121	Effects of limits in small signal stability analysis of power systems. , 2001, , .		11
122	Voltage stability in power network when connected wind farm generators. , 2009, , .		11
123	Effect of wind farms with doubly fed induction generators on small-signal stability — A case study on Australian equivalent system. , 2011, , .		11
124	Fuzzy embedded MPPT modeling and control of PV system in a hybrid power system. , 2016, , .		11
125	Novel Control Design for Simultaneous Damping of Inter-Area and Forced Oscillation. IEEE Transactions on Power Systems, 2021, 36, 451-463.	4.6	11
126	Harmonic analysis of grid-connected inverters considering external distortions: addressing harmonic emissions up to 9kHz. IET Power Electronics, 2020, 13, 1934-1945.	1.5	11

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127	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
128	Distributed generators placement for loadability enhancement based on reactive power margin. , 2010, , .		10
129	Comprehensive comparison of FACTS devices for exclusive loadability enhancement. IEEJ Transactions on Electrical and Electronic Engineering, 2013, 8, 7-18.	0.8	10
130	Possible impact of large scale wind energy integration on small signal stability. , 2015, , .		10
131	Feasibility of PV and battery energy storage based EV charging in different charging stations. , 2016, , .		10
132	A New Global Index for Short Term Voltage Stability Assessment. IEEE Access, 2021, 9, 36114-36124.	2.6	10
133	Effect of Realistic Load Direction in Static Voltage Stability Study. , 0, , .		9
134	Comprehensive Modelling and Small Signal Stability Analysis of RES-based Microgrid. IFAC-PapersOnLine, 2015, 48, 282-287.	0.5	9
135	An improved neural ensemble framework for accurate PV output power forecast. , 2016, , .		9
136	Dynamic behavior of transformerless PV system on the short-term voltage stability of distribution network. , 2017, , .		9
137	Dynamic voltage stability of unbalanced distribution system with high penetration of single-phase PV units. Journal of Engineering, 2019, 2019, 4074-4080.	0.6	9
138	Sizing HESS as inertial and primary frequency reserve in low inertia power system. IET Renewable Power Generation, 2021, 15, 99-113.	1.7	9
139	PEV Load and Its Impact on Static Voltage Stability. Power Systems, 2015, , 221-248.	0.3	9
140	An approach to control a photovoltaic generator to damp low frequency oscillations in an emerging distribution system. , 2011, , .		8
141	Performance Enhancement of DVR for Mitigating Voltage Sag/Swell using Vector Control Strategy. Energy Procedia, 2011, 9, 366-379.	1.8	8
142	Design of robust power oscillation damping controller for large-scale PV plant. , 2012, , .		8
143	Test systems for dynamic stability studies in electric power system. , 2013, , .		8
144	A loss sensitivity factor method for locating ES in a distribution system with PV units. , 2015, , .		8

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145	Field investigation of voltage quality issues in distribution network with PV penetration. , 2015, , .		8
146	Impact of Control Systems on Power Quality at Common DC Bus in DC Grid. , 2019, , .		8
147	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
148	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
149	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
150	Maximizing Static voltage stability margin in power systems using a new generation pattern. Australian Journal of Electrical and Electronics Engineering, 2005, 2, 255-261.	0.7	7
151	A grid compatible methodology for reactive power compensation in renewable based distribution system. , 2011, , .		7
152	Alternative analytical approaches for renewable DG allocation for energy loss minimization. , 2012, , .		7
153	An analytical approach to assess static voltage stability of distribution system with rooftop PV units. , 2014, , .		7
154	Exploring the Dynamic Voltage Signature of Renewable Rich Weak Power System. IEEE Access, 2020, 8, 216529-216542.	2.6	7
155	A Review of Interconnection Rules for Large-Scale Renewable Power Generation. Green Energy and Technology, 2014, , 151-171.	0.4	7
156	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
157	Community energy storage, a critical element in smart grid: A review of technology, prospect, challenges and opportunity. , 2014, , .		6
158	Development of dynamic EV load model for power system oscillatory stability studies. , 2014, , .		6
159	Distributed control scheme to regulate power flow and minimize interactions in multiple microgrids. , 2014, , .		6
160	A comprehensive community energy storage planning strategy based on a cost-benefit analysis. , 2016, , .		6
161	Enabling BES in large PV plant for stability enhancement of power systems with high RES. , 2017, , .		6
162	Low-Frequency Oscillatory Stability Study on 500 kV Java-Indonesian Electric Grid. , 2018, , .		6

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163	Investigation of power oscillation at common DC bus in DC grid. , 2019, , .		6
164	Solar PV Power Forecasting Using Modified SVR with Gauss-Newton Method. , 2020, , .		6
165	Design of Solar-Powered Charging Station for Electric Vehicles in Power Distribution System. , 2020, , .		6
166	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
167	Forced Oscillation in Power Systems With Converter Controlled-Based Resourcesâ€“A Survey With Case Studies. IEEE Access, 2021, 9, 150911-150924.	2.6	6
168	Detailed Analysis of Load Voltage Compensation for Dynamic Voltage Restorers. , 2006, , .		5
169	Analysis and mitigation of transient overvoltage with integration of small scale power-electronic interfaced DC. , 2012, , .		5
170	Application of Three-level Diode-clamped Converter on 10kW Distribution Voltage Restorer. Energy Procedia, 2013, 34, 116-129.	1.8	5
171	Effect of PV power injection in unbalanced distribution systems. , 2014, , .		5
172	EV charging station design with PV and energy storage using energy balance analysis. , 2015, , .		5
173	Dynamic Voltage Stability of Distribution Grids with Fast Charging Stations for EV Units. , 2018, , .		5
174	Forced Oscillation Detection Amid Communication Uncertainties. IEEE Systems Journal, 2021, 15, 4644-4655.	2.9	5
175	Examination of Effective VAr With Respect to Dynamic Voltage Stability in Renewable Rich Power Grids. IEEE Access, 2021, 9, 75494-75508.	2.6	5
176	An enhanced fullâ€“feedforward strategy to mitigate output current harmonics in gridâ€“tied inverters. IET Generation, Transmission and Distribution, 2021, 15, 827-835.	1.4	5
177	A simple approach for distributed generation integration considering benefits for DNO. , 2012, , .		4
178	Low-order robust damping controller design for large-scale PV power plants. , 2014, , .		4
179	Dynamic load control at a bidirectional DC fast charging station for PEVs in weak AC grids. , 2015, , .		4
180	Estimation of vehicle-to-grid service capacity at business premises using aggregate model. , 2017, , .		4

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181	Comparison of Battery Energy Storage Models for Small Signal Stability in Power System. , 2018, , .		4
182	System Strength Improvement Using Reactive Compensation for Enhanced PV Hosting Capacity. , 2019, , .		4
183	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
184	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
185	Damping Oscillation and Removing Resonance in a RE Based DC Microgrids. IEEE Access, 2021, 9, 163516-163525.	2.6	4
186	Economic generation direction for power system static voltage stability. , 2006, , .		3
187	Application of distributed generation to enhance loadability of distribution system, a case study. , 2009, , .		3
188	Performance of power oscillation damping controllers with different static load characteristics. , 2011, , .		3
189	GIS based distribution load flow for better planning and operation. , 2011, , .		3
190	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
191	Dynamic interactions among multiple DER controllers in distribution systems. , 2012, , .		3
192	A study of load and line characteristics on power system damping performance. , 2013, , .		3
193	Expanding power system analysis toolbox (PSAT) functionalities for better result interpretation. , 2014, , .		3
194	An improved WT and NN ensemble demand forecast model for PV integrated smart buildings. , 2016, , .		3
195	Optimal scheduling of PHEVs in a PV based charging station. , 2016, , .		3
196	A multivariate ensemble framework for short term solar photovoltaic output power forecast. , 2017, , .		3
197	Dynamic voltage stability of unbalanced <sc>DN</sc> with high penetration of roofâ€top <sc>PV</sc> units. International Transactions on Electrical Energy Systems, 2020, 30, e12631.	1.2	3
198	VOLTAGE STABILITY ASSESSMENT AND ENHANCEMENT OF THE THAILAND POWER SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 119-124.	0.4	2

#	ARTICLE	IF	CITATIONS
199	Response of DSTATCOM under Voltage Flicker In Farm Wind. , 2007, , .		2
200	Stability evaluation of distributed generator integrated system with index based placement of STATCOM. , 2011, , .		2
201	Distributed Generation: A Power System Perspective. , 2011, , 563-585.		2
202	Investigating static voltage stability of distribution system with rooftop PV units. , 2013, , .		2
203	Assessing the impact of loss reduction on distributed generation investment decisions. , 2013, , .		2
204	Impacts of EV charging on business premises: A case study of the university of Queensland. , 2016, , .		2
205	Multifunctional control of single-phase transformerless PV inverter connected to a distribution network. , 2016, , .		2
206	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
207	Characterization of charging load for a large number of EV units in distribution grids. , 2017, , .		2
208	Dynamic droop control in microgrid for stability enhancement considering RES variation. , 2017, , .		2
209	Probabilistic small signal stability analysis of autonomous wind-diesel microgrid. , 2017, , .		2
210	Enhancing Damping Performance of Emerging Distribution Systems by Load Controller. IEEE Transactions on Smart Grid, 2018, 9, 3635-3642.	6.2	2
211	Large-scale PV Voltage Regulation: Survey of Recent Practice. , 2019, , .		2
212	Impact of Fast Charging on Lithium-ion Battery in Electric Vehicle Application. , 2020, , .		2
213	A Comprehensive Investigation on High-Frequency Oscillation in DC Microgrid. IEEE Access, 2021, 9, 54850-54861.	2.6	2
214	Frequency Security Constrained Energy Management in an Isolated Power System. WSEAS Transactions on Power Systems, 2020, 15, 222-229.	0.2	2
215	Dynamic Voltage Signature of Large Scale PV Enriched Stressed Power System. , 2020, , .		2
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