Salman Mohagheghi Mohagheghi

List of Publications by Year
in descending order

95 papers	3,593 citations	304368 22 h-index	414034 32 g-index
95 all docs	95 docs citations	95 times ranked	3267 citing authors

#	Article	IF	Citations
1	Coordinated Voltage and Power Control in a Distribution System with PV Penetration. , 2021, , .		0
2	Optimal Operation of Combined Energy and Water Systems for Community Resilience against Natural Disasters. Energies, 2021, 14, 6132.	1.6	4
3	Application of Mobile Energy Storage for Enhancing Power Grid Resilience: A Review. Energies, 2021, 14, 6476.	1.6	31
4	Impact of Rooftop Photovoltaics on the Distribution System. Journal of Renewable Energy, 2020, 2020, 1-23.	2.1	42
5	Voltage, var and watt optimization for a distribution system with high PV penetration: A probabilistic study. Electric Power Systems Research, 2020, 180, 106159.	2.1	14
6	Socially-and-Environmentally-Aware Power Management in a Residential Neighborhood under Heat Wave Events. , 2020, , .		0
7	Energy and Water Co-Optimization for the Resilient Neighborhood of Future. , 2020, , .		0
8	End-User-Aware Community Energy Management in a Distribution System Exposed to Extreme Temperatures. IEEE Transactions on Smart Grid, 2019, 10, 3753-3764.	6.2	8
9	Robust Optimal Energy Pricing and Dispatch for a Multi-Microgrid Industrial Park Operating Based on Just-In-Time Strategy. IEEE Transactions on Industry Applications, 2019, 55, 3321-3330.	3.3	24
10	Sustainable Industrial Plants: Energy-Efficient, Asset-Aware, and Waste-Averse. IEEE Transactions on Industry Applications, 2018, 54, 1966-1974.	3.3	2
11	Voltage, Var and Watt Control in a Distribution System with High PV Penetration Using NSGA-III. , 2018, , .		0
12	Optimal Energy Pricing and Dispatch for a Multi-Microgrid Industrial Park Operating Based on Just-In-Time Strategy. , 2018, , .		1
13	Voltage and Power Optimization in a Distribution Network with High PV Penetration. , 2018, , .		5
14	An Automation Scheme for Emergency Operation of a Multi-Microgrid Industrial Park. IEEE Transactions on Industry Applications, 2018, 54, 6450-6459.	3.3	33
15	Performance analysis of an inductive wireless power transfer system applied for electric vehicles considering operating limits. , 2017, , .		3
16	A low-power thermoelectric generator for off-grid power in the aftermath of natural disasters. , 2017, , .		3
17	An automation scheme for emergency operation of an industrial park. , 2017, , .		2
18	Sustainable industrial plants: Energy efficient, asset-aware and waste-averse. , 2017, , .		1

#	Article	IF	Citations
19	Analysis and design of line matching networks for inductive power transfer system of electric vehicles. , 2016, , .		4
20	A multi-objective optimization framework for energy and asset management in an industrial Microgrid. Journal of Cleaner Production, 2016, 139, 1326-1338.	4.6	41
21	Mitigation of snowstorm risks on power transmission systems based on optimal generation re-dispatch. , 2016, , .		5
22	Analyzing impact of communication network topologies on reconfiguration of networked microgrids, impact of communication system on smart grid reliability, security and operation. , 2016, , .		8
23	Power grid vulnerability assessment against wildfires using probabilistic progression estimation model. , 2016, , .		16
24	Stability guarantees for primary frequency control with randomized flexible loads. , 2016, , .		3
25	Flexible data acquisition, compression, and reconstruction in advanced metering infrastructure. , 2016, , .		4
26	Optimal Energy Management in an Industrial Plant Using On-Site Generation and Demand Scheduling. IEEE Transactions on Industry Applications, 2016, 52, 1945-1952.	3.3	34
27	Optimal energy management of a distribution network during the course of a heat wave. Electric Power Systems Research, 2016, 130, 230-240.	2.1	17
28	A communication framework for an ad-hoc microgrid for disaster response. , 2015, , .		1
29	Optimal energy management in an industrial plant using on-site generation and demand scheduling. , 2015, , .		8
30	A risk-aware generation dispatch including wind power for a power grid subjected to hurricanes. International Transactions on Electrical Energy Systems, 2015, 25, 2982-3003.	1.2	7
31	Power Grid and Natural Disasters: A Framework for Vulnerability Assessment. , 2015, , .		6
32	Emergency electric service restoration in the aftermath of a natural disaster. , 2015, , .		13
33	Efficient data acquisition in advanced metering infrastructure. , 2015, , .		6
34	Vulnerability assessment of the power grid against progressing wildfires. Fire Safety Journal, 2015, 73, 20-28.	1.4	53
35	Dynamic Demand Response : A Solution for Improved Energy Efficiency for Industrial Customers. IEEE Industry Applications Magazine, 2015, 21, 54-62.	0.3	23
36	Optimal resilient power grid operation during the course of a progressing wildfire. International Journal of Electrical Power and Energy Systems, 2015, 73, 843-852.	3.3	34

#	Article	IF	Citations
37	Hybrid Stochastic Short-Term Models for Wind and Solar Energy Trajectories. , 2015, , .		5
38	Optimal energy dispatch of the power distribution network during the course of a progressing wildfire. International Transactions on Electrical Energy Systems, 2015, 25, 3422-3438.	1.2	19
39	Adaptive auto-reclosing based on DER connectivity data with IEC 61850. , 2014, , .		0
40	Electric service restoration using microgrids. , 2014, , .		12
41	Integrity assessment scheme for situational awareness in utility automation systems. , 2014, , .		0
42	Integrity Assessment Scheme for Situational Awareness in Utility Automation Systems. IEEE Transactions on Smart Grid, 2014, 5, 592-601.	6.2	15
43	Managing Industrial Energy Intelligently: Demand Response Scheme. IEEE Industry Applications Magazine, 2014, 20, 53-62.	0.3	41
44	Maintenance-centric energy management of industrial plants assisted by demand response. , 2014, , .		2
45	Reinforcement of energy delivery network against natural disaster events. International Journal of Disaster Risk Reduction, 2014, 10, 315-326.	1.8	6
46	A risk-averse security-constrained optimal power flow for a power grid subject to hurricanes. Electric Power Systems Research, 2014, 116, 408-418.	2.1	38
47	Voltage Quality Assessment in a Distribution System With Distributed Generationâ€”A Probabilistic Load Flow Approach. IEEE Transactions on Power Delivery, 2013, 28, 1652-1662.	2.9	57
48	Toward smart distribution management by integrating advanced metering infrastructure. Electric Power Systems Research, 2013, 105, 51-56.	2.1	33
49	Dynamic demand response solution for industrial customers. , 2013, , .		9
50	Vehicle-to-grid scheme based on inductive power transfer for advanced distribution automation. , 2013, , .		5
51	Phasor measurement units for the distribution grid: Necessity and benefits. , 2013, , .		39
52	Advances in information technology for Smart Grids. , 2013, , .		4
53	Transient performance analysis of a small-scale PV-PHS power plant fed by a SVPWM drive applied for a distribution system. , 2013, , .		14
54	Temperature-Dependent Power Flow. IEEE Transactions on Power Systems, 2013, 28, 4007-4018.	4.6	80

#	Article	IF	Citations
55	Intelligent demand response scheme for energy management of industrial systems. , 2012, , .		23
56	Inductive power transfer for electric vehicles: Potential benefits for the distribution grid. , 2012, , .		11
57	Communication services and data model for demand response. , 2012, , .		5
58	Impact of demand response on distribution system reliability. , 2011, , .		45
59	Applications of IEC 61850 in distribution automation. , 2011, , .		38
60	Applications of microgrids in distribution system service restoration. , 2011, , .		27
61	Demand Response Architecture: Integration into the Distribution Management System. , 2010, , .		77
62	Autonomous Self-Commissioning Method for Speed-Sensorless-Controlled Induction Machines. IEEE Transactions on Industry Applications, 2010, 46, 946-954.	3.3	14
63	A fuzzy cognitive map for data integrity assessment in a IEC 61850 based substation. , 2010, , .		8
64	A laboratory setup of a power system scaled model for testing and validation of EMS applications. , 2009, , .		18
65	Modeling distribution automation system components using IEC 61850. , 2009, , .		18
66	Communication protocols and networks for power systems-current status and future trends. , 2009, , .		96
67	Condition Monitoring of Power Electronic Circuits Using Artificial Neural Networks. IEEE Transactions on Power Electronics, 2009, 24, 2363-2367.	5.4	65
68	Hardware Implementation of a Mamdani Fuzzy Logic Controller for a Static Compensator in a Multimachine Power System. IEEE Transactions on Industry Applications, 2009, 45, 1535-1544.	3.3	28
69	Evolutionary Approaches to the Linear Machine Layout Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1245-1250.	0.4	0
70	Evolutionary Approaches to the Linear Machine Layout Problem. , 2009, , .		0
71	Fully Evolvable Optimal Neurofuzzy Controller Using Adaptive Critic Designs. IEEE Transactions on Fuzzy Systems, 2008, 16, 1450-1461.	6.5	32
72	Intelligent Demand Response Scheme for Customer Side Load Management. , 2008, , .		54

#	Article	IF	Citations
73	Particle Swarm Optimization: Basic Concepts, Variants and Applications in Power Systems. IEEE Transactions on Evolutionary Computation, 2008, 12, 171-195.	7.5	1,893
74	Optimal wide area controller and state predictor for a power system. , 2008, , .		2
75	A laboratory setup for relay and GPS-synchronized equipment transient testing. , 2008, , .		4
76	A Static Neural Network for Input-Output Mapping of Power Electronic Circuits. , 2007, , .		2
77	Adaptive Critic Design Based Neuro-Fuzzy Controller for a Static Compensator in a Multimachine Power System. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	0
78	A Laboratory Setup for a Substation Scaled Model. , 2007, , .		12
79	Comparison of Neural Network Types and Learning Methods for Self Commissioning of Speed Sensorless Controlled Induction Machines. , 2007, , .		6
80	A Proportional-Integrator Type Adaptive Critic Design-Based Neurocontroller for a Static Compensator in a Multimachine Power System. IEEE Transactions on Industrial Electronics, 2007, 54, 86-96.	5.2	83
81	Optimal Wide Area Controller and State Predictor for a Power System. IEEE Transactions on Power Systems, 2007, 22, 693-705.	4.6	61
82	Distributed state estimation based on the supercalibrator concept - laboratory implementation. , 2007, , .		24
83	Intelligent Local and Hierarchical Control of FACTS Devices. , 2007, , .		3
84	Making the power grid more intelligent. , 2007, , .		1
85	Optimal Neuro-Fuzzy External Controller for a STATCOM in the 12-Bus Benchmark Power System. IEEE Transactions on Power Delivery, 2007, 22, 2548-2558.	2.9	29
86	Adaptive Critic Design Based Neuro-Fuzzy Controller for a Static Compensator in a Multimachine Power System. IEEE Transactions on Power Systems, 2006, 21, 1744-1754.	4.6	59
87	Adaptive critic designs based coupled neurocontrollers for a static compensator. , 2006, , .		0
88	Hierarchical Control Scheme for two Static Compensators in the Brazilian 45-Bus Power System. , 2006, , .		1
89	Adaptive Critic Designs Based Coupled Neurocontrollers for a Static Compensator. , 2006, , .		1
90	Supervisory level neural network identifier for a small power system with a STATCOM and a generator. , 0, , .		2

#	Article	IF	Citations
91	A Dynamic Recurrent Neural Network for Wide Area Identification of a Multimachine Power System with a FACTS Device. , 0, , .		2
92	Hardware implementation of a Mamdani fuzzy logic controller for a static compensator in a multimachine power system. , 0, , .		3
93	An Adaptive Mamdani Fuzzy Logic based Controller for a Static Compensator in a Multimachine Power System. , 0, , .		8
94	Reactive compensation techniques for increasing loadability of long primary distribution lines. , 0, , .		0
95	Fuzzy Cognitive Maps for Identifying Fault Activation Patterns in Automation Systems. , 0, , .		3