Aggelos S Bouhouras

List of Publications by Year
in descending order

49 papers	603 citations	759055 12 h-index	752573 20 g-index
49 all docs	49 docs citations	49 times ranked	535 citing authors

#	Article	IF	Citations
1	Distribution network energy loss reduction under <scp>EV</scp> charging schedule. International Journal of Energy Research, 2022, 46, 8256-8270.	2.2	10
2	A Two-Stage EV Charging Planning and Network Reconfiguration Methodology towards Power Loss Minimization in Low and Medium Voltage Distribution Networks. Energies, 2022, 15, 3808.	1.6	6
3	Cost-Effective Hybrid PV-Battery Systems in Buildings Under Demand Side Management Application. IEEE Transactions on Industry Applications, 2022, 58, 6519-6528.	3.3	15
4	Application of PSO in Distribution Power Systems: Operation and Planning Optimization. Profiles in Operations Research, 2021, , 321-351.	0.3	0
5	Unsupervised NILM Implementation Using Odd Harmonic Currents. , 2021, , .		4
6	A Review of the Cryocooler-Based Cooling Systems for SMES. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-13.	1.1	4
7	Enhancing Self-Sufficiency in Buildings with Hybrid PV-Battery Systems and Demand Side Management: A sizing tool. , 2021, , .		2
8	Network Reconfiguration in Modern Power Distribution Networks. Energy Systems, 2020, , 219-255.	0.5	1
9	A Machine Learning Approach for NILM based on Odd Harmonic Current Vectors. , 2019, , .		5
10	Utilizing Short-Term Load Forecasts in the Assessment of Demand Response Programs. , 2019, , .		1
11	A PSO based optimal EVs Charging utilizing BESSs and PVs in buildings. , 2019, , .		3
12	Metaheuristics-Based Input Selection for Neural Networks: Application in Short-Term Load Forecasting. , 2019, , .		0
13	Efficient RES Penetration under Optimal Distributed Generation Placement Approach. Energies, 2019, 12, 1250.	1.6	10
14	A Clustering Based Methodology for Natural Gas Demand Analysis. , 2019, , .		0
15	A Comparison of Feature Selection Techniques for Neural Network Based Load Forecasting. , 2019, , .		0
16	Utilizing Harmonics in Sequential and Parallel Disaggregation Schemes. , 2019, , .		1
17	Impact of Data-Driven Modelling Approaches on the Analysis of Active Distribution Networks. , 2019, , .		2
18	A NILM algorithm with enhanced disaggregation scheme under harmonic current vectors. Energy and Buildings, 2019, 183, 392-407.	3.1	70

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19	Optimal Distributed Generation Placement Problem for Power and Energy Loss Minimization. Power Systems, 2018, , 215-251.	0.3	0
20	Optimal Siting of BESS in Distribution Networks under High PV Penetration. , 2018, , .		10
21	A UPSO based optimal BEVs charging for voltage quality improvement. , 2018, , .		2
22	Optimal siting of BESS in distribution networks under high wind power penetration. , 2018, , .		2
23	A missing data treatment method for photovoltaic installations. , 2018, , .		6
24	Enhancing storage integration in buildings with photovoltaics (PV-ESTIA project). , 2018, , .		9
25	Impact of penetration schemes to optimal DG placement forÂlossÂminimisation. International Journal of Sustainable Energy, 2017, 36, 473-488.	1.3	15
26	Energy Efficiency in Urban Electrical Grids through Consumer Networking. Series on Computers and Operations Research, 2017, , 32-52.	0.2	1
27	Optimal application order of network reconfiguration and ODGP for loss reduction in distribution networks. , 2017, , .		3
28	Comparative analysis of heuristic techniques applied to ODGP. , 2017, , .		7
29	Load variations impact on optimal DG placement problem concerning energy loss reduction. Electric Power Systems Research, 2017, 152, 36-47.	2.1	29
30	Impact of reverse power flow on the optimal distributed generation placement problem. IET Generation, Transmission and Distribution, 2017, 11, 4626-4632.	1.4	36
31	Analysis of high penetration of electric vehicles and photovoltaics on a greek low-voltage network. , 2017, , .		1
32	Load signatures development via harmonic current vectors. , 2017, , .		5
33	Load Signature Formulation for Non-Intrusive Load Monitoring Based on Current Measurements. Energies, 2017, 10, 538.	1.6	28
34	Load signatures enhancement via odd-order harmonic currents. , 2016, , .		5
35	Application and evaluation of UPSO to ODGP in radial Distribution Networks. , 2016, , .		7
36	Energy loss reduction in Distribution Networks via ODGP. , 2016, , .		1

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37	Optimal active and reactive nodal power requirements towards loss minimization under reverse power flow constraint defining DG type. International Journal of Electrical Power and Energy Systems, 2016, 78, 445-454.	3.3	43
38	Multiâ€objective planning tool for the installation of renewable energy resources. IET Generation, Transmission and Distribution, 2015, 9, 1782-1789.	1.4	3
39	Development of distinct load signatures for higher efficiency of NILM algorithms. Electric Power Systems Research, 2014, 117, 163-171.	2.1	32
40	Reducing network congestion in distribution networks with high DG penetration via network reconfiguration. , 2014, , .		3
41	Influence of load alterations to optimal network configuration for loss reduction. Electric Power Systems Research, 2012, 86, 17-27.	2.1	40
42	Selective Automation Upgrade in Distribution Networks Towards a Smarter Grid. IEEE Transactions on Smart Grid, 2010, 1, 278-285.	6.2	53
43	Cost/worth assessment of reliability improvement in distribution networks by means of artificial intelligence. International Journal of Electrical Power and Energy Systems, 2010, 32, 530-538.	3.3	36
44	Installation of PV systems in Greeceâ€"Reliability improvement in the transmission and distribution system. Electric Power Systems Research, 2010, 80, 547-555.	2.1	27
45	Feasibility study of the implementation of A.I. automation techniques in modern power distribution networks. Electric Power Systems Research, 2010, 80, 495-505.	2.1	3
46	PV systems penetration and allocation to an urban distribution network: A power loss reduction approach. , 2009, , .		8
47	Harmonic impact of small photovoltaic systems connected to the LV distribution network. , 2008, , .		49
48	Reliability improvement resulting from the integration of PV systems in the Interconnected Greek Transmission System. , 2008, , .		4
49	Siting and installation of PV systems in Greece and their contribution in the reliability of the distribution network. , 2008, , .		1