

Georgios C Christoforidis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

732

citations

17

h-index

24

g-index

101

ext. papers

1,017

ext. citations

4.2

avg, IF

4.47

L-index

#	Paper	IF	Citations
68	Smart home energy management processes support through machine learning algorithms. <i>Energy Reports</i> , 2022 , 8, 1-6	4.6	2
67	Optimal day-to-day scheduling of multiple energy assets in residential buildings equipped with variable-speed heat pumps. <i>Applied Energy</i> , 2022 , 312, 118702	10.7	1
66	A Novel Integrated Profit Maximization Model for Retailers under Varied Penetration Levels of Photovoltaic Systems. <i>Energies</i> , 2021 , 14, 92	3.1	0
65	A Prosumer Model Based on Smart Home Energy Management and Forecasting Techniques. <i>Energies</i> , 2021 , 14, 1724	3.1	13
64	Assessing the impacts of energy storage on the electricity market-clearing algorithms. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e12968	2.2	0
63	An Exponential Droop Control Strategy for Distributed Energy Storage Systems Integrated With Photovoltaics. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 3317-3328	7	2
62	A Review of the Cryocooler-Based Cooling Systems for SMES. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-13	1.8	1
61	Impact of policy incentives on the promotion of integrated PV and battery storage systems: a techno-economic assessment. <i>IET Renewable Power Generation</i> , 2020 , 14, 1174-1183	2.9	10
60	Modeling of Heating and Cooling Energy Needs in Different Types of Smart Buildings. <i>IEEE Access</i> , 2020 , 8, 29711-29728	3.5	4
59	Assessing the viability of battery energy storage systems coupled with photovoltaics under a pure self-consumption scheme. <i>Renewable Energy</i> , 2020 , 152, 1302-1309	8.1	22
58	Evaluation of Load Matching Indicators in Residential PV Systems-the Case of Cyprus. <i>Energies</i> , 2020 , 13, 1934	3.1	7
57	Combined forecasting system for short-term bus load forecasting based on clustering and neural networks. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 3652-3664	2.5	3
56	Modelling of Thermal Energy Demand in Smart Buildings 2019 ,		2
55	Sizing of Electrical and Thermal Storage Systems in the Nearly Zero Energy Building Environment - A Comparative Assessment 2019 ,		1
54	Exploring the Potential of Metaheuristics-Based Clustering in Load Profiling Applications 2019 ,		1
53	Efficient RES Penetration under Optimal Distributed Generation Placement Approach. <i>Energies</i> , 2019 , 12, 1250	3.1	6
52	Performance Assessment of Electrical Storage on Prosumers via Pilot Case Studies 2019 ,		2

51	An MILP model for the optimal energy management of a smart household 2019 ,		1
50	A NILM algorithm with enhanced disaggregation scheme under harmonic current vectors. <i>Energy and Buildings</i> , 2019 , 183, 392-407	7	37
49	Modeling and Economic Evaluation of PV Net-Metering and Self-consumption Schemes. <i>Studies in Systems, Decision and Control</i> , 2018 , 111-130	0.8	
48	Optimal Selection of Clustering Algorithm via Multi-Criteria Decision Analysis (MCDA) for Load Profiling Applications. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 237	2.6	17
47	The Social, Educational, and Market Scenario for nZEB in Europe. <i>Buildings</i> , 2018 , 8, 51	3.2	3
46	Active power management in low voltage networks with high photovoltaics penetration based on prosumers self-consumption. <i>Applied Energy</i> , 2018 , 229, 614-624	10.7	23
45	Economic Viability of Residential PV Systems with Battery Energy Storage Under Different Incentive Schemes 2018 ,		5
44	Economic Assessment of Lithium-Ion Battery Storage Systems in the Nearly Zero Energy Building Environment 2018 ,		4
43	A UPSO based optimal BEVs charging for voltage quality improvement 2018 ,		1
42	A missing data treatment method for photovoltaic installations 2018 ,		4
41	Enhancing storage integration in buildings with photovoltaics (PV-ESTIA project) 2018 ,		3
40	USE Efficiency: an innovative educational programme for energy efficiency in buildings. <i>International Journal of Sustainable Energy</i> , 2017 , 36, 855-871	2.7	2
39	The impact of Photovoltaic Self-Consumption Rate on voltage levels in LV distribution grids 2017 ,		6
38	A hybrid ANN/GA/ANFIS model for very short-term PV power forecasting 2017 ,		7
37	Configuring residential PV net-metering policies – A focus on the Mediterranean region. <i>Renewable Energy</i> , 2017 , 113, 795-812	8.1	33
36	Cost-competitiveness of organic photovoltaics for electricity self-consumption at residential buildings: A comparative study of Denmark and Greece under real market conditions. <i>Applied Energy</i> , 2017 , 208, 471-479	10.7	28
35	Upgrading Qualifications of European Energy Professionals in NZEB – The MENs Project. <i>Procedia Environmental Sciences</i> , 2017 , 38, 898-904		1
34	Implementation of modified versions of the K-means algorithm in power load curves profiling. <i>Sustainable Cities and Society</i> , 2017 , 35, 83-93	10.1	12

33	Combining wavelet transform and support vector regression model for day-ahead peak load forecasting in the Greek power system 2017 ,		1
32	Load signatures development via harmonic current vectors 2017 ,		4
31	Investigating the impact of decentralized energy storage systems in active low-voltage distribution networks 2017 ,		8
30	Load Signature Formulation for Non-Intrusive Load Monitoring Based on Current Measurements. <i>Energies</i> , 2017 , 10, 538	3.1	18
29	An Improved Fuzzy C-Means Algorithm for the Implementation of Demand Side Management Measures. <i>Energies</i> , 2017 , 10, 1407	3.1	7
28	A Model for the Assessment of Different Net-Metering Policies. <i>Energies</i> , 2016 , 9, 262	3.1	37
27	Meeting of energy skills: An educational framework for energy professionals in NZEB 2016 ,		1
26	Load signatures enhancement via odd-order harmonic currents 2016 ,		2
25	Investigating net-metering variant policies: The case of Greece 2015 ,		6
24	2015 ,		1
23	Pattern recognition algorithms for electricity load curve analysis of buildings. <i>Energy and Buildings</i> , 2014 , 73, 137-145	7	72
22	Medium-voltage cable inductive coupling to metallic pipelines: A comprehensive study 2014 ,		4
21	Bus load forecasting via a combination of machine learning algorithms 2014 ,		1
20	Control strategy to alleviate PV power output fluctuations through a superconducting coil 2014 ,		1
19	Covenant of Mayors initiativePublic perception issues and barriers in Greece. <i>Energy Policy</i> , 2013 , 60, 643-655	7.2	37
18	Photovoltaic Power Plants as a Source of Electromagnetic Interference to Metallic Agricultural Pipelines. <i>Procedia Technology</i> , 2013 , 8, 192-199		2
17	Interference analysis from medium-voltage cables of photovoltaic plants to metallic pipelines 2013 ,		1
16	Modifications of the clustering validity indicators for the assessment of the load profiling procedure 2013 ,		1

15	AC interference on pipelines due to double circuit power lines: A detailed study. <i>Electric Power Systems Research</i> , 2013 , 103, 1-8	3.5	42
14	Loss reduction via network reconfigurations in Distribution Networks with Photovoltaic Units Installed 2013 ,		2
13	Analysis of the electricity demand patterns of a building in a university Campus 2013 ,		4
12	Promoting PV energy through net metering optimization: The PV-NET project 2013 ,		12
11	PV power clustering as a means to evaluate energy storage options 2013 ,		3
10	Evaluation of induced AC voltages in underground metallic pipeline. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2012 , 31, 1133-1143	0.7	17
9	Semi-infinite integral implementation in the development steps of Interfstud electromagnetic interference software 2012 ,		2
8	Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1410-1413	2	21
7	The covenant of mayors initiative: Status in Europe and barriers towards realizing its full potential in Greece 2011 ,		2
6	Earth conduction effects in systems of overhead and underground conductors in multilayered soils. <i>IET Generation, Transmission and Distribution</i> , 2006 , 153, 291		17
5	. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 1465-1473	4.3	47
4	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2005 , 47, 254-262	2	43
3	Inductive interference calculation on imperfect coated pipelines due to nearby faulted parallel transmission lines. <i>Electric Power Systems Research</i> , 2003 , 66, 139-148	3.5	34
2			2
1	Distribution network energy loss reduction under EV charging schedule. <i>International Journal of Energy Research</i> ,	4.5	1