

# Georgios C Christoforidis

## List of Publications by Citations

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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	Pattern recognition algorithms for electricity load curve analysis of buildings. <i>Energy and Buildings</i> , <b>2014</b> , 73, 137-145	7	72
67	. <i>IEEE Transactions on Power Delivery</i> , <b>2005</b> , 20, 1465-1473	4.3	47
66	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2005</b> , 47, 254-262	2	43
65	AC interference on pipelines due to double circuit power lines: A detailed study. <i>Electric Power Systems Research</i> , <b>2013</b> , 103, 1-8	3.5	42
64	Covenant of Mayors initiativePublic perception issues and barriers in Greece. <i>Energy Policy</i> , <b>2013</b> , 60, 643-655	7.2	37
63	A Model for the Assessment of Different Net-Metering Policies. <i>Energies</i> , <b>2016</b> , 9, 262	3.1	37
62	A NILM algorithm with enhanced disaggregation scheme under harmonic current vectors. <i>Energy and Buildings</i> , <b>2019</b> , 183, 392-407	7	37
61	Inductive interference calculation on imperfect coated pipelines due to nearby faulted parallel transmission lines. <i>Electric Power Systems Research</i> , <b>2003</b> , 66, 139-148	3.5	34
60	Configuring residential PV net-metering policies [A focus on the Mediterranean region. <i>Renewable Energy</i> , <b>2017</b> , 113, 795-812	8.1	33
59	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> , <b>2017</b> , 208, 471-479	10.7	28
58	Active power management in low voltage networks with high photovoltaics penetration based on prosumersSelf-consumption. <i>Applied Energy</i> , <b>2018</b> , 229, 614-624	10.7	23
57	Assessing the viability of battery energy storage systems coupled with photovoltaics under a pure self-consumption scheme. <i>Renewable Energy</i> , <b>2020</b> , 152, 1302-1309	8.1	22
56	Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 1410-1413	2	21
55	Load Signature Formulation for Non-Intrusive Load Monitoring Based on Current Measurements. <i>Energies</i> , <b>2017</b> , 10, 538	3.1	18
54	Optimal Selection of Clustering Algorithm via Multi-Criteria Decision Analysis (MCDA) for Load Profiling Applications. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 237	2.6	17
53	Evaluation of induced AC voltages in underground metallic pipeline. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2012</b> , 31, 1133-1143	0.7	17
52	Earth conduction effects in systems of overhead and underground conductors in multilayered soils. <i>IET Generation, Transmission and Distribution</i> , <b>2006</b> , 153, 291		17

51	A Prosumer Model Based on Smart Home Energy Management and Forecasting Techniques. <i>Energies</i> , <b>2021</b> , 14, 1724	3.1	13
50	Implementation of modified versions of the K-means algorithm in power load curves profiling. <i>Sustainable Cities and Society</i> , <b>2017</b> , 35, 83-93	10.1	12
49	Promoting PV energy through net metering optimization: The PV-NET project <b>2013</b> ,		12
48	Impact of policy incentives on the promotion of integrated PV and battery storage systems: a techno-economic assessment. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 1174-1183	2.9	10
47	Investigating the impact of decentralized energy storage systems in active low-voltage distribution networks <b>2017</b> ,		8
46	A hybrid ANN/GA/ANFIS model for very short-term PV power forecasting <b>2017</b> ,		7
45	Evaluation of Load Matching Indicators in Residential PV Systems-the Case of Cyprus. <i>Energies</i> , <b>2020</b> , 13, 1934	3.1	7
44	An Improved Fuzzy C-Means Algorithm for the Implementation of Demand Side Management Measures. <i>Energies</i> , <b>2017</b> , 10, 1407	3.1	7
43	The impact of Photovoltaic Self-Consumption Rate on voltage levels in LV distribution grids <b>2017</b> ,		6
42	Efficient RES Penetration under Optimal Distributed Generation Placement Approach. <i>Energies</i> , <b>2019</b> , 12, 1250	3.1	6
41	Investigating net-metering variant policies: The case of Greece <b>2015</b> ,		6
40	Economic Viability of Residential PV Systems with Battery Energy Storage Under Different Incentive Schemes <b>2018</b> ,		5
39	Modeling of Heating and Cooling Energy Needs in Different Types of Smart Buildings. <i>IEEE Access</i> , <b>2020</b> , 8, 29711-29728	3.5	4
38	Load signatures development via harmonic current vectors <b>2017</b> ,		4
37	Medium-voltage cable inductive coupling to metallic pipelines: A comprehensive study <b>2014</b> ,		4
36	Analysis of the electricity demand patterns of a building in a university Campus <b>2013</b> ,		4
35	Economic Assessment of Lithium-Ion Battery Storage Systems in the Nearly Zero Energy Building Environment <b>2018</b> ,		4
34	A missing data treatment method for photovoltaic installations <b>2018</b> ,		4

33	The Social, Educational, and Market Scenario for nZEB in Europe. <i>Buildings</i> , <b>2018</b> , 8, 51	3.2	3
32	PV power clustering as a means to evaluate energy storage options <b>2013</b> ,		3
31	Combined forecasting system for short-term bus load forecasting based on clustering and neural networks. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 3652-3664	2.5	3
30	Enhancing storage integration in buildings with photovoltaics (PV-ESTIA project) <b>2018</b> ,		3
29	USE Efficiency: an innovative educational programme for energy efficiency in buildings. <i>International Journal of Sustainable Energy</i> , <b>2017</b> , 36, 855-871	2.7	2
28	Modelling of Thermal Energy Demand in Smart Buildings <b>2019</b> ,		2
27	Performance Assessment of Electrical Storage on Prosumers via Pilot Case Studies <b>2019</b> ,		2
26	Photovoltaic Power Plants as a Source of Electromagnetic Interference to Metallic Agricultural Pipelines. <i>Procedia Technology</i> , <b>2013</b> , 8, 192-199		2
25	Loss reduction via network reconfigurations in Distribution Networks with Photovoltaic Units Installed <b>2013</b> ,		2
24	The covenant of mayors initiative: Status in Europe and barriers towards realizing its full potential in Greece <b>2011</b> ,		2
23	Semi-infinite integral implementation in the development steps of Interfstud electromagnetic interference software <b>2012</b> ,		2
22			2
21	Smart home energy management processes support through machine learning algorithms. <i>Energy Reports</i> , <b>2022</b> , 8, 1-6	4.6	2
20	An Exponential Droop Control Strategy for Distributed Energy Storage Systems Integrated With Photovoltaics. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 3317-3328	7	2
19	Load signatures enhancement via odd-order harmonic currents <b>2016</b> ,		2
18	Sizing of Electrical and Thermal Storage Systems in the Nearly Zero Energy Building Environment - A Comparative Assessment <b>2019</b> ,		1
17	Exploring the Potential of Metaheuristics-Based Clustering in Load Profiling Applications <b>2019</b> ,		1
16	<b>2015</b> ,		1

15	Interference analysis from medium-voltage cables of photovoltaic plants to metallic pipelines <b>2013</b> ,		1
14	Modifications of the clustering validity indicators for the assessment of the load profiling procedure <b>2013</b> ,		1
13	Upgrading Qualifications of European Energy Professionals in NZEB –The MENs Project. <i>Procedia Environmental Sciences</i> , <b>2017</b> , 38, 898-904		1
12	Combining wavelet transform and support vector regression model for day-ahead peak load forecasting in the Greek power system <b>2017</b> ,		1
11	Bus load forecasting via a combination of machine learning algorithms <b>2014</b> ,		1
10	Control strategy to alleviate PV power output fluctuations through a superconducting coil <b>2014</b> ,		1
9	Distribution network energy loss reduction under EV charging schedule. <i>International Journal of Energy Research</i> ,	4.5	1
8	Meeting of energy skills: An educational framework for energy professionals in NZEB <b>2016</b> ,		1
7	An MILP model for the optimal energy management of a smart household <b>2019</b> ,		1
6	A UPSO based optimal BEVs charging for voltage quality improvement <b>2018</b> ,		1
5	A Review of the Cryocooler-Based Cooling Systems for SMES. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-13	1.8	1
4	Optimal day-to-day scheduling of multiple energy assets in residential buildings equipped with variable-speed heat pumps. <i>Applied Energy</i> , <b>2022</b> , 312, 118702	10.7	1
3	A Novel Integrated Profit Maximization Model for Retailers under Varied Penetration Levels of Photovoltaic Systems. <i>Energies</i> , <b>2021</b> , 14, 92	3.1	0
2	Assessing the impacts of energy storage on the electricity market-clearing algorithms. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e12968	2.2	0
1	Modeling and Economic Evaluation of PV Net-Metering and Self-consumption Schemes. <i>Studies in Systems, Decision and Control</i> , <b>2018</b> , 111-130	0.8	