Ioannis Lampropoulos

List of Publications by Year in descending order

35 papers	893 citations	687363 13 h-index	752698 20 g-index
35 all docs	35 docs citations	35 times ranked	974 citing authors

#	Article	IF	Citations
1	Should we reinforce the grid? Cost and emission optimization of electric vehicle charging under different transformer limits. Applied Energy, 2020, 276, 115285.	10.1	100
2	Gamification-based framework for engagement of residential customers in energy applications. Energy Research and Social Science, 2018, 44, 187-195.	6.4	99
3	Impact of rapid PV fluctuations on power quality in the low-voltage grid and mitigation strategies using electric vehicles. International Journal of Electrical Power and Energy Systems, 2020, 118, 105741.	5.5	95
4	Photovoltaic systems coupled with batteries that are optimally sized for household self-consumption: Assessment of peak shaving potential. Applied Energy, 2018, 223, 69-81.	10.1	93
5	A methodology for modeling the behavior of electricity prosumers within the smart grid. , 2010, , .		58
6	On the Trade-Off Between Environmental and Economic Objectives in Community Energy Storage Operational Optimization. IEEE Transactions on Sustainable Energy, 2020, 11, 2653-2661.	8.8	54
7	History of demand side management and classification of demand response control schemes. , 2013, , .		40
8	Survey of distance laboratories in power electronics. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	35
9	A system perspective to the deployment of flexibility through aggregator companies in the Netherlands. Energy Policy, 2018, 118, 534-551.	8.8	33
10	Comparison of the Greenhouse Gas Emission Reduction Potential of Energy Communities. Energies, 2019, 12, 4440.	3.1	33
11	A Predictive Control Scheme for Real-Time Demand Response Applications. IEEE Transactions on Smart Grid, 2013, 4, 2049-2060.	9.0	31
12	A framework for the provision of flexibility services at the transmission and distribution levels through aggregator companies. Sustainable Energy, Grids and Networks, 2019, 17, 100187.	3.9	29
13	Hierarchical predictive control scheme for distributed energy storage integrated with residential demand and photovoltaic generation. IET Generation, Transmission and Distribution, 2015, 9, 2319-2327.	2.5	22
14	Assessing the economic benefits of flexible residential load participation in the Dutch day-ahead auction and balancing market. , 2012, , .		19
15	Review of Energy in the Built Environment. Smart Cities, 2020, 3, 248-288.	9.4	19
16	Provision of Ancillary Services from an Aggregated Portfolio of Residential Heat Pumps on the Dutch Frequency Containment Reserve Market. Applied Sciences (Switzerland), 2019, 9, 590.	2.5	17
17	Impact of electric vehicles charging demand on distribution transformers in an office area and determination of flexibility potential. Sustainable Energy, Grids and Networks, 2021, 26, 100452.	3.9	17
18	A predictive control scheme for automated demand response mechanisms. , 2012, , .		13

#	Article	IF	Citations
19	Predictive control of a domestic freezer for real-time demand response applications. , 2012, , .		12
20	A Comparison of Householdsâ€™ Energy Balance in Residential Smart Grid Pilots in the Netherlands. Applied Sciences (Switzerland), 2019, 9, 2993.	2.5	12
21	On the Use of Average versus Marginal Emission Factors. , 2019, , .		12
22	Analysis of the market-based service provision for operating reserves in the Netherlands. , 2012, , .		11
23	A Blockchain-Based Configuration for Balancing the Electricity Grid with Distributed Assets. World Electric Vehicle Journal, 2020, 11, 62.	3.0	9
24	Criteria for demand response systems. , 2013, , .		7
25	Demand side management of electric boilers. , 2012, , .		5
26	Day-ahead economic scheduling of energy storage. , 2014, , .		4
27	Evaluation and assessment of balancing resources. , 2011, , .		3
28	Enabling Flexibility from Demand-Side Resources Through Aggregator Companies. Progress in IS, 2017, , 333-353.	0.6	3
29	The impact of electricity market design on periodic network frequency excursions. , 2011, , .		2
30	Cost-Effective Increase of Photovoltaic Electricity Feed-In on Congested Transmission Lines: A Case Study of The Netherlands. Energies, 2021, 14, 2868.	3.1	2
31	Insights on the capacity value of photovoltaics, community batteries and electric vehicles. Sustainable Energy, Grids and Networks, 2021, 26, 100421.	3.9	2
32	An alternative approach for real-time balancing of electrical power systems. , 2012, , .		1
33	A Method for Developing a Game-Enhanced Tool Targeting Consumer Engagement in Demand Response Mechanisms. Progress in IS, 2019, , 213-235.	0.6	1
34	Optimal Design and Operation of Temporary Power Installations: Case Study on CO 2 and Cost Savings for Outdoor Festivals in the Netherlands. Journal of the Urban Planning and Development Division, ASCE, 2021, 147, 04021038.	1.7	0
35	Insights on Capacity Value of Photovoltaic Systems Coupled with Batteries. , 2020, , .		0