

Ioannis Lampropoulos

List of Publications by Year in descending order

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Version: 2024-02-01

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	Cost-Effective Increase of Photovoltaic Electricity Feed-In on Congested Transmission Lines: A Case Study of The Netherlands. <i>Energies</i> , 2021, 14, 2868.	3.1	2
2	Impact of electric vehicles charging demand on distribution transformers in an office area and determination of flexibility potential. <i>Sustainable Energy, Grids and Networks</i> , 2021, 26, 100452.	3.9	17
3	Insights on the capacity value of photovoltaics, community batteries and electric vehicles. <i>Sustainable Energy, Grids and Networks</i> , 2021, 26, 100421.	3.9	2
4	Optimal Design and Operation of Temporary Power Installations: Case Study on CO ₂ and Cost Savings for Outdoor Festivals in the Netherlands. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2021, 147, 04021038.	1.7	0
5	Impact of rapid PV fluctuations on power quality in the low-voltage grid and mitigation strategies using electric vehicles. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 118, 105741.	5.5	95
6	Should we reinforce the grid? Cost and emission optimization of electric vehicle charging under different transformer limits. <i>Applied Energy</i> , 2020, 276, 115285.	10.1	100
7	A Blockchain-Based Configuration for Balancing the Electricity Grid with Distributed Assets. <i>World Electric Vehicle Journal</i> , 2020, 11, 62.	3.0	9
8	On the Trade-Off Between Environmental and Economic Objectives in Community Energy Storage Operational Optimization. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 2653-2661.	8.8	54
9	Review of Energy in the Built Environment. <i>Smart Cities</i> , 2020, 3, 248-288.	9.4	19
10	Insights on Capacity Value of Photovoltaic Systems Coupled with Batteries. , 2020, , .		0
11	A Comparison of Households' Energy Balance in Residential Smart Grid Pilots in the Netherlands. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2993.	2.5	12
12	Provision of Ancillary Services from an Aggregated Portfolio of Residential Heat Pumps on the Dutch Frequency Containment Reserve Market. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 590.	2.5	17
13	Comparison of the Greenhouse Gas Emission Reduction Potential of Energy Communities. <i>Energies</i> , 2019, 12, 4440.	3.1	33
14	A Method for Developing a Game-Enhanced Tool Targeting Consumer Engagement in Demand Response Mechanisms. <i>Progress in IS</i> , 2019, , 213-235.	0.6	1
15	A framework for the provision of flexibility services at the transmission and distribution levels through aggregator companies. <i>Sustainable Energy, Grids and Networks</i> , 2019, 17, 100187.	3.9	29
16	On the Use of Average versus Marginal Emission Factors. , 2019, , .		12
17	Photovoltaic systems coupled with batteries that are optimally sized for household self-consumption: Assessment of peak shaving potential. <i>Applied Energy</i> , 2018, 223, 69-81.	10.1	93
18	Gamification-based framework for engagement of residential customers in energy applications. <i>Energy Research and Social Science</i> , 2018, 44, 187-195.	6.4	99

#	ARTICLE	IF	CITATIONS
19	A system perspective to the deployment of flexibility through aggregator companies in the Netherlands. Energy Policy, 2018, 118, 534-551.	8.8	33
20	Enabling Flexibility from Demand-Side Resources Through Aggregator Companies. Progress in IS, 2017, , 333-353.	0.6	3
21	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
22	Day-ahead economic scheduling of energy storage. , 2014, , .		4
23	A Predictive Control Scheme for Real-Time Demand Response Applications. IEEE Transactions on Smart Grid, 2013, 4, 2049-2060.	9.0	31
24	History of demand side management and classification of demand response control schemes. , 2013, , .		40
25	Criteria for demand response systems. , 2013, , .		7
26	Demand side management of electric boilers. , 2012, , .		5
27	Predictive control of a domestic freezer for real-time demand response applications. , 2012, , .		12
28	An alternative approach for real-time balancing of electrical power systems. , 2012, , .		1
29	Analysis of the market-based service provision for operating reserves in the Netherlands. , 2012, , .		11
30	A predictive control scheme for automated demand response mechanisms. , 2012, , .		13
31	Assessing the economic benefits of flexible residential load participation in the Dutch day-ahead auction and balancing market. , 2012, , .		19
32	Evaluation and assessment of balancing resources. , 2011, , .		3
33	The impact of electricity market design on periodic network frequency excursions. , 2011, , .		2
34	A methodology for modeling the behavior of electricity prosumers within the smart grid. , 2010, , .		58
35	Survey of distance laboratories in power electronics. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	35