

# Tarek A Alskaif

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,920  
citations

331259

21  
h-index

454577

30  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1735  
citing authors

#	ARTICLE	IF	CITATIONS
1	Techno-economic analysis of household and community energy storage for residential prosumers with smart appliances. <i>Applied Energy</i> , 2018, 209, 266-276.	5.1	173
2	Multi-objective optimization of energy arbitrage in community energy storage systems using different battery technologies. <i>Applied Energy</i> , 2019, 239, 356-372.	5.1	167
3	An integrated blockchain-based energy management platform with bilateral trading for microgrid communities. <i>Applied Energy</i> , 2020, 263, 114613.	5.1	166
4	Game theory for energy efficiency in Wireless Sensor Networks: Latest trends. <i>Journal of Network and Computer Applications</i> , 2015, 54, 33-61.	5.8	112
5	Blockchain-Based Fully Peer-to-Peer Energy Trading Strategies for Residential Energy Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 231-241.	7.2	101
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.	5.1	100
7	Gamification-based framework for engagement of residential customers in energy applications. <i>Energy Research and Social Science</i> , 2018, 44, 187-195.	3.0	99
8	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.	3.3	95
9	Reputation-based joint scheduling of households appliances and storage in a microgrid with a shared battery. <i>Energy and Buildings</i> , 2017, 138, 228-239.	3.1	82
10	A systematic analysis of meteorological variables for PV output power estimation. <i>Renewable Energy</i> , 2020, 153, 12-22.	4.3	76
11	Optimal energy management in all-electric residential energy systems with heat and electricity storage. <i>Applied Energy</i> , 2019, 254, 113580.	5.1	63
12	A Community-Based Energy Market Design Using Decentralized Decision-Making Under Uncertainty. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 1782-1793.	6.2	62
13	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.	5.9	54
14	Operational day-ahead solar power forecasting for aggregated PV systems with a varying spatial distribution. <i>Renewable Energy</i> , 2022, 183, 267-282.	4.3	53
15	Impact of local energy markets integration in power systems layer: A comprehensive review. <i>Applied Energy</i> , 2021, 301, 117434.	5.1	51
16	Flexibility of Electric Vehicle Demand: Analysis of Measured Charging Data and Simulation for the Future. <i>World Electric Vehicle Journal</i> , 2019, 10, 14.	1.6	49
17	Preserving Privacy of Smart Meter Data in a Smart Grid Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 707-718.	7.2	49
18	Energy efficiency of MAC protocols in low data rate wireless multimedia sensor networks: A comparative study. <i>Ad Hoc Networks</i> , 2017, 56, 141-157.	3.4	37

#	ARTICLE	IF	CITATIONS
19	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.	2.3	29
20	Towards the determination of metal criticality in home-based battery systems using a Life Cycle Assessment approach. Journal of Cleaner Production, 2019, 221, 667-677.	4.6	27
21	A distributed power sharing framework among households in microgrids: a repeated game approach. Computing (Vienna/New York), 2017, 99, 23-37.	3.2	25
22	Keep it green, simple and socially fair: A choice experiment on prosumers' preferences for peer-to-peer electricity trading in the Netherlands. Energy Policy, 2021, 159, 112615.	4.2	24
23	Benchmark analysis of day-ahead solar power forecasting techniques using weather predictions. , 2019, , .		19
24	Review of Energy in the Built Environment. Smart Cities, 2020, 3, 248-288.	5.5	19
25	Decentralized Optimal Power Flow in Distribution Networks Using Blockchain. , 2019, , .		17
26	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.	2.3	17
27	Solar Irradiance Forecasting Using Triple Exponential Smoothing. , 2018, , .		16
28	Validating Clustering Frameworks for Electric Load Demand Profiles. IEEE Transactions on Industrial Informatics, 2021, 17, 8057-8065.	7.2	15
29	On the Use of Average versus Marginal Emission Factors. , 2019, , .		12
30	An operational bidding framework for aggregated electric vehicles on the electricity spot market. Applied Energy, 2022, 308, 118280.	5.1	10
31	Smart charging of community storage units using Markov chains. , 2017, , .		9
32	A Blockchain-Based Configuration for Balancing the Electricity Grid with Distributed Assets. World Electric Vehicle Journal, 2020, 11, 62.	1.6	9
33	Regulation strategies for mitigating voltage fluctuations induced by photovoltaic solar systems in an urban low voltage grid. International Journal of Electrical Power and Energy Systems, 2022, 137, 107695.	3.3	9
34	Grid congestion mitigation in the era of shared electric vehicles. Journal of Energy Storage, 2022, 48, 103806.	3.9	9
35	Interlinking Heterogeneous Data for Smart Energy Systems. , 2019, , .		8
36	A Clustering Framework for Residential Electric Demand Profiles. , 2020, , .		7

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37	A reputation-based centralized energy allocation mechanism for microgrids. , 2015, , .		6
38	Ontology Modeling for Decentralized Household Energy Systems. , 2021, , .		5
39	Anomaly Detection in Electricity Consumption Data using Deep Learning. , 2021, , .		5
40	The Importance of Predictor Variables and Feature Selection in Day-ahead Electricity Price Forecasting. , 2020, , .		5
41	The Impact of Transitioning to Shared Electric Vehicles on Grid Congestion and Management. , 2020, , .		5
42	Congestion Management in LV Grids Using Static and Dynamic EV Smart Charging. , 2020, , .		4
43	Citizens Collaboration to Minimize Power Costs in Smart Grids - A Game Theoretic Approach. , 2015, , .		4
44	On the Interdependence and Importance of Meteorological Variables for Photovoltaic Output Power Estimation. , 2019, , .		3
45	Techno-Economic Assessment of PV-Coupled Battery Energy Storage Systems with Different Sizing Methodologies. , 2021, , .		3
46	Optimal Energy Management of All-electric Residential Energy Systems in the Netherlands. , 2019, , .		2
47	Development of a Blockchain-Based Energy Trading Scheme for Prosumers. , 2021, , .		2
48	Impact of Load Demand Dataset Characteristics on Clustering Validation Indices. , 2021, , .		2
49	A Quantitative Analysis of the Short-Term and Structural Impact of COVID-19 Measures on Electric Vehicle Charging Patterns. , 2021, , .		2
50	A Method for Developing a Game-Enhanced Tool Targeting Consumer Engagement in Demand Response Mechanisms. Progress in IS, 2019, , 213-235.	0.5	1
51	The Impact of Distance, Cardinal-direction and Time on Solar Irradiance Estimation: A Case-study. , 2020, , .		1
52	Avoiding Low-Voltage Grid Congestion using Smart Charging of Electric Vehicles based on Day-Ahead Probabilistic Photovoltaic Forecasts. , 2021, , .		0