

# Akin Tascikaraoglu

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,955  
citations

361296

20  
h-index

526166

27  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2184  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of combined approaches for prediction of short-term wind speed and power. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 243-254.	8.2	513
2	A demand side management strategy based on forecasting of residential renewable sources: A smart home system in Turkey. <i>Energy and Buildings</i> , 2014, 80, 309-320.	3.1	151
3	Exploiting sparsity of interconnections in spatio-temporal wind speed forecasting using Wavelet Transform. <i>Applied Energy</i> , 2016, 165, 735-747.	5.1	144
4	End-User Comfort Oriented Day-Ahead Planning for Responsive Residential HVAC Demand Aggregation Considering Weather Forecasts. <i>IEEE Transactions on Smart Grid</i> , 2017, 8, 362-372.	6.2	115
5	Comprehensive Optimization Model for Sizing and Siting of DG Units, EV Charging Stations, and Energy Storage Systems. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 3871-3882.	6.2	106
6	Short-term residential electric load forecasting: A compressive spatio-temporal approach. <i>Energy and Buildings</i> , 2016, 111, 380-392.	3.1	95
7	An adaptive load dispatching and forecasting strategy for a virtual power plant including renewable energy conversion units. <i>Applied Energy</i> , 2014, 119, 445-453.	5.1	92
8	Assessment of Demand-Response-Driven Load Pattern Elasticity Using a Combined Approach for Smart Households. <i>IEEE Transactions on Industrial Informatics</i> , 2016, 12, 1529-1539.	7.2	82
9	Compressive Spatio-Temporal Forecasting of Meteorological Quantities and Photovoltaic Power. <i>IEEE Transactions on Sustainable Energy</i> , 2016, 7, 1295-1305.	5.9	63
10	Economic and operational benefits of energy storage sharing for a neighborhood of prosumers in a dynamic pricing environment. <i>Sustainable Cities and Society</i> , 2018, 38, 219-229.	5.1	59
11	Implementation of a dynamic energy management system using real time pricing and local renewable energy generation forecasts. <i>Energy</i> , 2017, 134, 206-220.	4.5	58
12	Evaluation of spatio-temporal forecasting methods in various smart city applications. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 424-435.	8.2	56
13	Combining the Flexibility From Shared Energy Storage Systems and DLC-Based Demand Response of HVAC Units for Distribution System Operation Enhancement. <i>IEEE Transactions on Sustainable Energy</i> , 2019, 10, 137-148.	5.9	56
14	Optimal Energy Management of EV Parking Lots Under Peak Load Reduction Based DR Programs Considering Uncertainty. <i>IEEE Transactions on Sustainable Energy</i> , 2019, 10, 1034-1043.	5.9	44
15	Novel Incentive Mechanism for End-Users Enrolled in DLC-Based Demand Response Programs Within Stochastic Planning Context. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 1476-1487.	5.2	37
16	The assessment of the contribution of short-term wind power predictions to the efficiency of stand-alone hybrid systems. <i>Applied Energy</i> , 2012, 94, 156-165.	5.1	36
17	Optimal energy management system for microgrids considering energy storage, demand response and renewable power generation. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 136, 107714.	3.3	31
18	Power quality assessment of wind turbines and comparison with conventional legal regulations: A case study in Turkey. <i>Applied Energy</i> , 2011, 88, 1864-1872.	5.1	30

#	ARTICLE	IF	CITATIONS
19	Voltage regulation capability of a prototype Static VAR Compensator for wind applications. Applied Energy, 2012, 93, 422-431.	5.1	27
20	Optimal operation of a multi-energy system considering renewable energy sources stochasticity and impacts of electric vehicles. Energy, 2019, 186, 115841.	4.5	23
21	Low-dimensional models in spatio-temporal wind speed forecasting. , 2015, , .		16
22	Sliding mode-based control of an electric vehicle fast charging station in a DC microgrid. Sustainable Energy, Grids and Networks, 2022, 32, 100820.	2.3	15
23	Smart grid-ready concept of a smart home prototype: A demonstration project in YTU. , 2013, , .		12
24	Implementing a demand side management strategy for harmonics mitigation in a smart home using real measurements of household appliances. International Journal of Electrical Power and Energy Systems, 2021, 125, 106528.	3.3	11
25	Day-ahead charging operation of electric vehicles with on-site renewable energy resources in a mixed integer linear programming framework. IET Smart Grid, 2020, 3, 367-375.	1.5	10
26	A short-term spatio-temporal approach for Photovoltaic power forecasting. , 2016, , .		9
27	Design and Implementation of an Interactive Interface for Demand Response and Home Energy Management Applications. Applied Sciences (Switzerland), 2017, 7, 641.	1.3	9
28	Electrical Layout Optimization of Onshore Wind Farms Based on a Two-Stage Approach. IEEE Transactions on Sustainable Energy, 2020, 11, 2407-2416.	5.9	8
29	Bi-Objective Optimization Model for Optimal Placement of Thyristor-Controlled Series Compensator Devices. Energies, 2019, 12, 2601.	1.6	7
30	Demand response driven load pattern elasticity analysis for smart households. , 2015, , .		4
31	Optimal sizing and siting of distributed generation and EV charging stations in distribution systems. , 2017, , .		4
32	Development of a Smart Thermostat Controller for Direct Load Control Based Demand Response Applications. , 2019, , .		4
33	An interactive multi-criteria decision-making framework between a renewable power plant planner and the independent system operator. Sustainable Energy, Grids and Networks, 2021, 26, 100447.	2.3	4
34	End-user comfort oriented day-ahead planning for responsive residential HVAC demand aggregation considering weather forecasts. , 2017, , .		3
35	Impacts of Accurate Renewable Power Forecasting on Optimum Operation of Power System. , 2017, , 159-175.		3
36	Optimal Operation of a Smart Multi-Energy Neighborhood. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
37	User-Comfort Oriented Bidding Strategy for Electric Vehicle Parking Lots. , 2019, , .		3
38	The role of residential HVAC units in demand side flexibility considering end-user comfort. , 2016, , .		2
39	Optimal Coordination of EV Charging through Aggregators under Peak Load Limitation Based DR Considering Stochasticity. , 2018, , .		2
40	History of Electricity. , 2019, , 1-27.		2
41	An EMD-ANN based prediction methodology for DR driven smart household load demand. , 2015, , .		1
42	An energy credit based incentive mechanism for the direct load control of residential HVAC systems incorporation in day-ahead planning. , 2017, , .		1
43	Compressive spatio-temporal forecasting of meteorological quantities and photovoltaic power. , 2017, , .		1
44	On Data-Driven Approaches for Demand Response. , 2018, , 243-259.		1
45	Optimal Sizing and Siting of EV Charging Stations in a Real Distribution System Environment. , 2020, , .		1
46	PaylaÅŸma mlÅ± Elektrik Enerjisi Depolama Sisteminin KullanÅ±mÅ±na Dayanan Bir Enerji YÅ¶netimi YaklaÅŸma mlÅ±, European Journal of Science and Technology, 0, , 589-604.	0.5	1
47	Shared Energy Storage and Direct Load Control for Improved Flexibility of Distribution System Operation. , 2018, , .		0
48	Economic Operation of a Micro-Grid considering Demand Side Flexibility and Common ESS Availability. , 2018, , .		0
49	A peak power reduction based demand response strategy and load factor maximization oriented electric vehicle parking lot energy management strategy. Pamukkale University Journal of Engineering Sciences, 2018, 24, 824-830.	0.2	0
50	POMPALANMIÅž SU TABANLI ENERJÅ° DEPOLAMA ÅœNÅ°TESÅ° KULLANIMINA VE DÅ°NAMÅ°K FÅ°YATLANDIRMAYA DAYANAN BÅ°R KAZANÅž OPTÅ°MÅ°ZASYONU YAKLAÅžIMI. EskiÅŸehir Osmangazi Åœniversitesi MÅ¼hendislik Ve Mimarlık FakÅ¼ltesi Dergisi, 2018, 26, 74-87.	0	0