Peter Tzscheutschler

List of Publications by Year
in descending order

32 papers	535 citations	11 h-index	21 g-index

34 all docs	34 docs citations	34 times ranked	589 citing authors

#	Article	IF	Citations
1	Day-ahead probabilistic PV generation forecast for buildings energy management systems. Solar Energy, 2018, 171, 478-490.	6.1	72
2	Short-term smart learning electrical load prediction algorithm for home energy management systems. Applied Energy, 2015, 147, 10-19.	10.1	69
3	Experimental analysis of microcogenerators based on different prime movers. Energy and Buildings, 2011, 43, 796-804.	6.7	66
4	Integration of energy markets in microgrids: A double-sided auction with device-oriented bidding strategies. Applied Energy, 2019, 241, 625-639.	10.1	55
5	Energetic life cycle assessment of fuel cell powertrain systems and alternative fuels in Germany. Energy, 2006, 31, 3062-3075.	8.8	30
6	Modeling of industrial-scale hybrid renewable energy systems (HRES) â€" The profitability of decentralized supply for industry. Renewable Energy, 2017, 108, 52-63.	8.9	28
7	Is Bitcoin the Only Problem? A Scenario Model for the Power Demand of Blockchains. Frontiers in Energy Research, 2019, 7, .	2.3	25
8	A comparison of prosumer system configurations in district heating networks. Energy Reports, 2021, 7, 430-439.	5.1	20
9	Impact of probabilistic small-scale photovoltaic generation forecast on energy management systems. Solar Energy, 2018, 165, 136-146.	6.1	18
10	Quantifying the Flexibility of Electric Vehicles in Germany and Californiaâ€"A Case Study. Energies, 2020, 13, 5617.	3.1	17
11	Optimization of the Heat Output of High Temperature Fuel Cell Micro-CHP in Single Family Homes. Energy Procedia, 2015, 78, 2160-2165.	1.8	12
12	Experimental Study and Modeling of Ground-Source Heat Pumps with Combi-Storage in Buildings. Energies, 2018, 11, 1174.	3.1	12
13	Evaluation of Hierarchical, Multi-Agent, Community-Based, Local Energy Markets Based on Key Performance Indicators. Energies, 2022, 15, 3575.	3.1	12
14	A Blockchain-based Double-sided Auction Peer-to-peer Electricity Market Framework. , 2020, , .		11
15	CoSES Laboratory for Combined Energy Systems At TU Munich. , 2020, , .		9
16	Intelligent Bidding Strategies in Local Electricity Markets: A Simulation-based Analysis. , 2020, , .		9
17	Evaluation of Energy Market Platforms Potential in Microgrids: Scenario Analysis Based on a Double-Sided Auction. Frontiers in Energy Research, 2019, 7, .	2.3	8
18	Flexibility Estimation of Residential Heat Pumps under Heat Demand Uncertainty. Energies, 2021, 14, 5709.	3.1	7

#	Article	IF	Citations
19	Analysis of Key Performance Indicators for Local Electricity Markets' Design. Canadian Journal of Electrical and Computer Engineering, 2021, 44, 411-422.	2.0	7
20	Hardware in the Loop Real-Time Simulation for Heating Systems: Model Validation and Dynamics Analysis. Energies, 2018, 11, 3159.	3.1	6
21	Exergetic and exergoeconomic analysis of an experimental ground source heat pump system coupled with a thermal storage based on Hardware in Loop. Applied Thermal Engineering, 2022, 212, 118559.	6.0	6
22	Prosumer Integration in Flexibility Markets: A Bid Development and Pricing Model. , 2018, , .		5
23	Towards Prosumer Flexibility Markets: A Photovoltaic and Battery Storage Model. , 2019, , .		4
24	Mathematical Model for Agent-based Local Energy Exchange Engine (D3A). , 2021, , .		4
25	Evaluating the added value of blockchains to local energy markets—Comparing the performance of blockchain-based and centralised implementations. IET Smart Grid, 2022, 5, 234-245.	2.2	4
26	High-resolution dataset for building energy management systems applications. Data in Brief, 2018, 17, 157-161.	1.0	3
27	Flexibility quantification and pricing of household heat pump and combined heat and power unit. , 2019, , .		3
28	Characteristics and Challenges in Prosumer-Dominated Thermal Networks. Journal of Physics: Conference Series, 2021, 2042, 012039.	0.4	3
29	Experimental Analysis of Small Scale Cogenerators Based on Natural Gas Fired Reciprocating Internal Combustion Engine. , 2010, , .		2
30	Autonomous coordination of smart buildings in microgrids based on a double-sided auction. , 2017, , .		2
31	Key Performance Indicator Based Design Guidelines for Local Electricity Markets. , 2020, , .		2
32	Service and Commerce Sector, Energy Use in. , 2004, , 515-528.		1