

Anke Weidlich

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

757
citations

933447

10
h-index

580821

25
g-index

36
all docs

36
docs citations

36
times ranked

730
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A critical survey of agent-based wholesale electricity market models. <i>Energy Economics</i> , 2008, 30, 1728-1759. | 12.1 | 256 |
| 2 | Optimal microgrid scheduling with peak load reduction involving an electrolyzer and flexible loads. <i>Applied Energy</i> , 2016, 169, 857-865. | 10.1 | 83 |
| 3 | An agent-based analysis of the German electricity market with transmission capacity constraints. <i>Energy Policy</i> , 2009, 37, 4132-4144. | 8.8 | 56 |
| 4 | Smart Houses in the Smart Grid: Developing an interactive network. <i>IEEE Electrification Magazine</i> , 2014, 2, 81-93. | 1.8 | 51 |
| 5 | Smart houses for a smart grid. , 2009, , . | | 37 |
| 6 | Simulating the dynamics in two-settlement electricity markets via an agent-based approach. <i>International Journal of Management Science and Engineering Management</i> , 2006, 1, 83-97. | 3.1 | 33 |
| 7 | Integrated Multidimensional Sustainability Assessment of Energy System Transformation Pathways. <i>Sustainability</i> , 2021, 13, 5217. | 3.2 | 27 |
| 8 | Beyond climate change. Multi-attribute decision making for a sustainability assessment of energy system transformation pathways. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111996. | 16.4 | 24 |
| 9 | The cost of providing operational flexibility from distributed energy resources. <i>Applied Energy</i> , 2020, 279, 115784. | 10.1 | 21 |
| 10 | Towards improved prosumer participation: Electricity trading in local markets. <i>Energy</i> , 2022, 239, 122445. | 8.8 | 15 |
| 11 | Monitoring and Control for Energy Efficiency in the Smart House. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2011, , 197-207. | 0.3 | 13 |
| 12 | Analyzing interrelated markets in the electricity sector — The case of wholesale power trading in Germany. , 2008, , . | | 11 |
| 13 | Understanding Power Market Dynamics by Reflecting Market Interrelations and Flexibility-Oriented Bidding Strategies. <i>Energies</i> , 2022, 15, 494. | 3.1 | 11 |
| 14 | Getting more with less? Why repowering onshore wind farms does not always lead to more wind power generation “ A German case study. <i>Renewable Energy</i> , 2021, 180, 245-257. | 8.9 | 10 |
| 15 | An MILP model for evaluating the optimal operation and flexibility potential of end-users. <i>Applied Energy</i> , 2021, 282, 116183. | 10.1 | 9 |
| 16 | Studying the effects of CO2 emissions trading on the electricity market: A multi-agent-based approach. , 2008, , 91-101. | | 9 |
| 17 | Exploring long-term strategies for the german energy transition - A review of multi-Sector energy scenarios. <i>Renewable and Sustainable Energy Transition</i> , 2021, 1, 100010. | 2.9 | 9 |
| 18 | Profitability of photovoltaic and battery systems on municipal buildings. <i>Renewable Energy</i> , 2020, 153, 1163-1173. | 8.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Prepared for regional self-supply? On the regional fit of electricity demand and supply in Germany. Energy Strategy Reviews, 2021, 34, 100609. | 7.3 | 8 |
| 20 | Operational Flexibility of Small-Scale Electricity-Coupled Heat Generating Units. Technology and Economics of Smart Grids and Sustainable Energy, 2019, 4, 1. | 2.6 | 7 |
| 21 | Analysis of Avoided Transmission Through Decentralized Photovoltaic and Battery Storage Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 1922-1929. | 8.8 | 7 |
| 22 | Emissions trading and innovation in the German electricity industry – impact of possible design options for an emissions trading scheme on innovation strategies in the German electricity industry. , 2006, , 39-51. | | 7 |
| 23 | Bidding Strategies for Flexible and Inflexible Generation in a Power Market Simulation Model. , 2018, , . | | 6 |
| 24 | How much energy autonomy can decentralised photovoltaic generation provide? A case study for Southern Germany. Applied Energy, 2020, 280, 115947. | 10.1 | 6 |
| 25 | Agent-Based Simulations for Electricity Market Regulation Advice: Procedures and an Example. Jahrbucher Fur Nationalokonomie Und Statistik, 2008, 228, 149-172. | 0.7 | 5 |
| 26 | Energy-Efficient Computing and Networking. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , . | 0.3 | 4 |
| 27 | Forecasting cross-border power transmission capacities in Central Western Europe using artificial neural networks. Energy Informatics, 2019, 2, . | 2.3 | 4 |
| 28 | Methodische Quantifizierung der Bereitstellungskosten flexibler Systemkomponenten im deutschen Stromsystem. Zeitschrift FÄ¼r Energiewirtschaft, 2017, 41, 33-55. | 0.2 | 3 |
| 29 | Principal Cross-Border Flow Patterns in the European Electricity Markets. , 2019, , . | | 3 |
| 30 | Decentralized Intelligence in Energy Efficient Power Systems. Energy Systems, 2012, , 467-486. | 0.5 | 3 |
| 31 | Tracing carbon dioxide emissions in the European electricity markets. , 2020, , . | | 2 |
| 32 | Increasing the realism of electricity market modeling through market interrelations. , 2022, , . | | 2 |
| 33 | Effects of a Coal Phase-Out on Market Dynamics: Results from a Simulation Model for Germany. , 2019, , . | | 1 |
| 34 | Agent-Based Simulations for Electricity Market Regulation Advice: Procedures and an Example. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 35 | Reducing Operational Costs of Offshore HVDC Energy Export Systems Through Optimized Maintenance. Energies, 2020, 13, 1146. | 3.1 | 0 |