

Reinhard Madlener

List of Publications by Year in descending order

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236
papers

8,812
citations

79946

39
h-index

83414

72
g-index

239
all docs

239
docs citations

239
times ranked

6699
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of urbanization on urban structures and energy demand: What can we learn for urban energy planning and urbanization management?. <i>Sustainable Cities and Society</i> , 2011, 1, 45-53.	10.6	496
2	Consumer preferences for alternative fuel vehicles: A discrete choice analysis. <i>Transportation Research, Part D: Transport and Environment</i> , 2013, 25, 5-17.	6.9	373
3	Sustainable energy futures: Methodological challenges in combining scenarios and participatory multi-criteria analysis. <i>European Journal of Operational Research</i> , 2009, 197, 1063-1074.	5.9	308
4	Wind farm siting using a spatial Analytic Hierarchy Process approach: A case study of the StÄdteregion Aachen. <i>Applied Energy</i> , 2016, 163, 222-243.	10.3	254
5	Homeowners' preferences for adopting innovative residential heating systems: A discrete choice analysis for Germany. <i>Energy Economics</i> , 2012, 34, 1271-1283.	12.3	210
6	A real options evaluation model for the diffusion prospects of new renewable power generation technologies. <i>Energy Economics</i> , 2008, 30, 1882-1908.	12.3	201
7	Factors influencing German house owners' preferences on energy retrofits. <i>Energy Policy</i> , 2014, 68, 254-263.	8.8	185
8	Evaluation of economically optimal retrofit investment options for energy savings in buildings. <i>Energy and Buildings</i> , 2012, 49, 327-334.	6.8	158
9	Economics of centralized and decentralized compressed air energy storage for enhanced grid integration of wind power. <i>Applied Energy</i> , 2013, 101, 299-309.	10.3	152
10	New ways for the integrated appraisal of national energy scenarios: The case of renewable energy use in Austria. <i>Energy Policy</i> , 2007, 35, 6060-6074.	8.8	148
11	Switching from fossil fuel to renewables in residential heating systems: An empirical study of homeowners' decisions in Germany. <i>Energy Policy</i> , 2016, 89, 95-105.	8.8	147
12	Efficient Investment Portfolios for the Swiss Electricity Supply Sector. <i>SSRN Electronic Journal</i> , 0, , .	0.3	125
13	Willingness-to-pay for alternative fuel vehicle characteristics: A stated choice study for Germany. <i>Transportation Research, Part A: Policy and Practice</i> , 2016, 85, 89-111.	4.3	125
14	Motivational factors influencing the homeownersâ€™ decisions between residential heating systems: An empirical analysis for Germany. <i>Energy Policy</i> , 2013, 57, 221-233.	8.8	121
15	Assessing the performance of biogas plants with multi-criteria and data envelopment analysis. <i>European Journal of Operational Research</i> , 2009, 197, 1084-1094.	5.9	120
16	The Influence of Social Preferences on Multi-Criteria Evaluation of Energy Scenarios. <i>SSRN Electronic Journal</i> , 0, , .	0.3	117
17	Development of Cogeneration in Germany: A Dynamic Portfolio Analysis Based on the New Regulatory Framework. <i>SSRN Electronic Journal</i> , 2009, , .	0.3	115
18	Simulation of the European Electricity Market and CCS Development with the HECTOR Model. <i>SSRN Electronic Journal</i> , 0, , .	0.3	110

#	ARTICLE	IF	CITATIONS
19	The Benefit of Regional Diversification of Cogeneration Investments in Europe: A Mean-Variance Portfolio Analysis. SSRN Electronic Journal, 0, , .	0.3	106
20	Sustainability-guided promotion of renewable electricity generation. Ecological Economics, 2005, 53, 147-167.	5.9	101
21	Relevance of Risk Capital and Margining for the Valuation of Power Plants: Cash Requirements for Credit Risk Mitigation. SSRN Electronic Journal, 0, , .	0.3	101
22	Rebound Effects in German Residential Heating: Do Ownership and Income Matter?. SSRN Electronic Journal, 0, , .	0.3	99
23	Hydrogen storage for wind parks: A real options evaluation for an optimal investment in more flexibility. Applied Energy, 2014, 136, 931-946.	10.3	96
24	Relating R&D and Investment Policies to CCS Market Diffusion Through Two-Factor Learning. SSRN Electronic Journal, 0, , .	0.3	95
25	Economic merits of a state-of-the-art concentrating solar power forecasting system for participation in the Spanish electricity market. Solar Energy, 2013, 93, 244-255.	6.1	93
26	Sustainable energy development in Austria until 2020: Insights from applying the integrated model â€œ3.atâ€ . Energy Policy, 2011, 39, 6082-6099.	8.8	92
27	CO2 emission reduction potential assessment using renewable energy in India. Energy, 2016, 97, 273-282.	9.0	88
28	Innovation diffusion, public policy, and local initiative: The case of wood-fuelled district heating systems in Austria. Energy Policy, 2007, 35, 1992-2008.	8.8	87
29	The gap between energy policy challenges and model capabilities. Energy Policy, 2019, 125, 503-520.	8.8	81
30	A Spatial MAS Simulation to Evaluate the Promotion of Electricity from Agricultural Biogas Plants in Germany. SSRN Electronic Journal, 0, , .	0.3	81
31	Fuzzy Portfolio Optimization of Onshore Wind Power Plants. SSRN Electronic Journal, 0, , .	0.3	80
32	Promoting Renewable Electricity Generation in Imperfect Markets: Price vs. Quantity Policies. SSRN Electronic Journal, 0, , .	0.3	79
33	Economics of small wind turbines in urban settings: An empirical investigation for Germany. Renewable Energy, 2015, 78, 334-350.	9.0	74
34	The Impact of Modified EU ETS Allocation Principles on the Economics of CHP-Based District Heating Networks. SSRN Electronic Journal, 0, , .	0.3	74
35	The benefit of regional diversification of cogeneration investments in Europe: A mean-variance portfolio analysis. Energy Policy, 2010, 38, 7911-7920.	8.8	73
36	An Exploratory Economic Analysis of Underground Pumped-Storage Hydro Power Plants in Abandoned Coal Mines. SSRN Electronic Journal, 0, , .	0.3	71

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37	Optimal technology choice and investment timing: A stochastic model of industrial cogeneration vs. heat-only production. <i>Energy Economics</i> , 2007, 29, 934-952.	12.3	68
38	AHP-based risk analysis of energy performance contracting projects in Russia. <i>Energy Policy</i> , 2016, 97, 559-581.	8.8	66
39	Economic and CO2 mitigation impacts of promoting biomass heating systems: An input-output study for Vorarlberg, Austria. <i>Energy Policy</i> , 2007, 35, 6021-6035.	8.8	65
40	Economic Viability of Second Use Electric Vehicle Batteries for Energy Storage in Residential Applications. <i>Energy Procedia</i> , 2017, 105, 3806-3815.	1.8	63
41	Economics of CCS for coal plants: Impact of investment costs and efficiency on market diffusion in Europe. <i>Energy Economics</i> , 2012, 34, 850-863.	12.3	62
42	Economics of High-Temperature Nuclear Reactors for Industrial Cogeneration. <i>SSRN Electronic Journal</i> , 0, , .	0.3	59
43	Relating R&D and investment policies to CCS market diffusion through two-factor learning. <i>Energy Policy</i> , 2013, 52, 439-452.	8.8	58
44	Effects of Temperature Uncertainty on the Valuation of Geothermal Projects: A Real Options Approach. <i>SSRN Electronic Journal</i> , 0, , .	0.3	57
45	Economic Feasibility of Kite-Based Wind Energy Powerships with CAES or Hydrogen Storage. <i>SSRN Electronic Journal</i> , 0, , .	0.3	56
46	Economic feasibility of pipe storage and underground reservoir storage options for power-to-gas load balancing. <i>Energy Conversion and Management</i> , 2015, 102, 258-266.	9.3	55
47	Energy Efficiency: What Has Research Delivered in the Last 40 Years?. <i>Annual Review of Environment and Resources</i> , 2021, 46, 135-165.	13.7	55
48	Impact of disaggregated ICT capital on electricity intensity in European manufacturing. <i>Applied Economics Letters</i> , 2010, 17, 1691-1695.	1.7	54
49	Assessment of Clean-Coal Strategies: The Questionable Merits of Carbon Capture-Readiness. <i>SSRN Electronic Journal</i> , 0, , .	0.3	52
50	Bridging the Gap between Onshore and Offshore Innovations by the European Wind Power Supply Industry: A Survey-Based Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.3	51
51	Are Prosumer Households That Much Different? Evidence From Stated Residential Energy Consumption in Germany. <i>Ecological Economics</i> , 2019, 158, 101-115.	5.9	50
52	Driven by change: Commercial drivers' acceptance and efficiency perceptions of light-duty electric vehicle usage in Germany. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 105, 262-282.	7.7	49
53	A participatory stakeholder process for evaluating sustainable energy transition scenarios. <i>Energy Policy</i> , 2020, 139, 111277.	8.8	48
54	Investment in new power generation under uncertainty: Benefits of CHP vs. condensing plants in a copula-based analysis. <i>Energy Economics</i> , 2012, 34, 31-44.	12.3	47

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55	Economic evaluation of maintenance strategies for ground-mounted solar photovoltaic plants. <i>Applied Energy</i> , 2017, 199, 264-280.	10.3	47
56	Technology, business model, and market design adaptation toward smart electricity distribution: Insights for policy making. <i>Energy Policy</i> , 2018, 121, 426-440.	8.8	46
57	Business models for peer-to-peer energy trading in Germany based on households' beliefs and preferences. <i>Applied Energy</i> , 2022, 306, 118053.	10.3	45
58	Riding down the experience curve for energy-efficient building envelopes: the Swiss case for 1970-2020. <i>International Journal of Energy Technology and Policy</i> , 2004, 2, 153.	0.2	44
59	Short- and long-run electricity demand elasticities at the subsectoral level: A cointegration analysis for German manufacturing industries. <i>Energy Economics</i> , 2015, 48, 178-187.	12.3	43
60	Energy Supplier 2.0: A conceptual business model for energy suppliers aggregating flexible distributed assets and policy issues raised. <i>Energy Policy</i> , 2019, 135, 110911.	8.8	43
61	Hydrogen Storage for Wind Parks: A Real Options Evaluation for an Optimal Investment in More Flexibility. <i>SSRN Electronic Journal</i> , 0, , .	0.3	42
62	Socio-economic drivers of large urban biomass cogeneration: Sustainable energy supply for Austria's capital Vienna. <i>Energy Policy</i> , 2007, 35, 1075-1087.	8.8	39
63	Battery sizing for serial plug-in hybrid electric vehicles: A model-based economic analysis for Germany. <i>Energy Policy</i> , 2011, 39, 5871-5882.	8.8	38
64	Cost-effective Design of Ringwall Storage Hybrid Power Plants: A Real Options Analysis. <i>Energy Procedia</i> , 2014, 61, 2196-2200.	1.8	38
65	Economic evaluation of maintenance strategies for wind turbines: a stochastic analysis. <i>IET Renewable Power Generation</i> , 2015, 9, 766-774.	3.2	38
66	Cost Effectiveness of Carbon Capture-Ready Coal Power Plants with Delayed Retrofit. <i>SSRN Electronic Journal</i> , 0, , .	0.3	38
67	Valuation of CCS-ready coal-fired power plants: a multi-dimensional real options approach. <i>Energy Systems</i> , 2011, 2, 243-261.	3.2	37
68	The Impact of Wind Farms on Property Values: A Geographically Weighted Hedonic Pricing Model. <i>SSRN Electronic Journal</i> , 0, , .	0.3	36
69	Economic Feasibility of Pipeline and Underground Reservoir Storage Options for Power-to-Gas Load Balancing. <i>SSRN Electronic Journal</i> , 2013, , .	0.3	36
70	Prosumer Preferences Regarding the Adoption of Micro-Generation Technologies: Empirical Evidence for German Homeowners. <i>SSRN Electronic Journal</i> , 0, , .	0.3	36
71	Financial Viability of Grid-connected Solar PV and Wind Power Systems in Germany. <i>Energy Procedia</i> , 2016, 106, 35-45.	1.8	35
72	Impacts of an ice-free Northeast Passage on LNG markets and geopolitics. <i>Energy Policy</i> , 2018, 122, 438-448.	8.8	35

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73	Techno-economic analysis of micro fuel cell cogeneration and storage in Germany. Applied Energy, 2019, 235, 1603-1613.	10.3	35
74	Optimal Power Generation Investment: Impact of Technology Choices and Existing Portfolios for Deploying Low-Carbon Coal Technologies. SSRN Electronic Journal, 0, , .	0.3	35
75	Economic evaluation of IGCC plants with hot gas cleaning. Applied Energy, 2012, 97, 170-184.	10.3	33
76	Willingness-to-Pay for Alternative Fuel Vehicle Characteristics: A Stated Choice Study for Germany. SSRN Electronic Journal, 2013, , .	0.3	33
77	Balancing forecast errors in continuous-trade intraday markets. Energy Systems, 2015, 6, 361-388.	3.2	33
78	An integrated two-level demand-side management game applied to smart energy hubs with storage. Energy, 2020, 206, 118017.	9.0	33
79	Power plant investments in the Turkish electricity sector: A real options approach taking into account market liberalization. Applied Energy, 2012, 97, 124-134.	10.3	30
80	Profitability of Energy Storage for Raising Self-consumption of Solar Power: Analysis of Different Household Types in Germany. Energy Procedia, 2014, 61, 2206-2210.	1.8	30
81	CO2 mitigation costs of large-scale bioenergy technologies in competitive electricity markets. Energy, 2003, 28, 1405-1425.	9.0	29
82	Development of cogeneration in Germany: A mean-variance portfolio analysis of individual technologyâ€™s prospects in view of the new regulatory framework. Energy, 2011, 36, 5301-5313.	9.0	29
83	Business model innovation for the energy market: Joint value creation for electricity retailers and their customers. Energy Research and Social Science, 2021, 73, 101878.	6.6	29
84	Repowering of Wind Turbines: Economics and Optimal Timing. SSRN Electronic Journal, 0, , .	0.3	29
85	Day-Ahead Versus Intraday Valuation of Demand-Side Flexibility for Photovoltaic and Wind Power Systems. SSRN Electronic Journal, 0, , .	0.3	29
86	A stakeholder analysis of divergent supply-chain trends for the European onshore and offshore wind installations. Energy Policy, 2015, 80, 36-44.	8.8	28
87	Li-ion battery storage in private households with PV systems: Analyzing the economic impacts of battery aging and pooling. Journal of Energy Storage, 2020, 29, 101407.	8.3	28
88	Local Impacts of Wind Farms on Property Values: A Spatial Difference-in-Differences Analysis. SSRN Electronic Journal, 0, , .	0.3	27
89	Economic Analysis of Electricity Storage Based on Heat Pumps and Thermal Storage Units in Large-Scale Thermal Power Plants. Energy Procedia, 2017, 142, 2816-2823.	1.8	27
90	Sustainable operation of geothermal power plants: why economics matters. Geothermal Energy, 2021, 9, .	2.1	27

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91	Diffusion of bioenergy in urban areas: A socio-economic analysis of the Swiss wood-fired cogeneration plant in Basel. <i>Biomass and Bioenergy</i> , 2008, 32, 815-828.	5.9	26
92	Economic viability of biomass cofiring in new hard-coal power plants in Germany. <i>Biomass and Bioenergy</i> , 2013, 57, 33-47.	5.9	25
93	Economic Feasibility of a Compressed Air Energy Storage System Under Market Uncertainty: A Real Options Approach. <i>Energy Procedia</i> , 2017, 105, 3798-3805.	1.8	25
94	A methodology for estimating rebound effects in non-residential public service buildings: Case study of four buildings in Germany. <i>Energy and Buildings</i> , 2016, 111, 455-467.	6.8	24
95	Seasonality, Cointegration, and Forecasting UK Residential Energy Demand. <i>Scottish Journal of Political Economy</i> , 1999, 46, 185-206.	1.6	23
96	The impact of modified EU ETS allocation principles on the economics of CHP-based district heating systems. <i>Journal of Cleaner Production</i> , 2012, 20, 47-60.	9.5	23
97	Economic Evaluation of Maintenance Strategies for Wind Turbines: A Stochastic Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.3	23
98	The value of enhanced flexibility of gas-fired power plants: A real options analysis. <i>Applied Energy</i> , 2019, 251, 113125.	10.3	23
99	A pathway to green growth? Macroeconomic impacts of power grid infrastructure investments in Germany. <i>Energy Policy</i> , 2021, 156, 112289.	8.8	23
100	Cost-effective design of ringwall storage hybrid power plants: A real options analysis. <i>Energy Conversion and Management</i> , 2015, 103, 871-885.	9.3	22
101	Economic implications of forecasting electricity generation from variable renewable energy sources. <i>Renewable Energy</i> , 2020, 161, 1318-1327.	9.0	22
102	An Exploratory Economic Analysis of Underground Pumped-Storage Hydro Power Plants in Abandoned Deep Coal Mines. <i>Energies</i> , 2020, 13, 5634.	3.2	22
103	Bioenergy Innovations: The Case of Wood Pellet Systems in Sweden. <i>Technology Analysis and Strategic Management</i> , 2007, 19, 99-125.	3.6	21
104	The Role of Environmental Concern and Comfort Expectations in Energy Retrofit Decisions. <i>Ecological Economics</i> , 2017, 141, 53-65.	5.9	21
105	CO2 mitigation costs of catalytic methane decomposition. <i>Energy</i> , 2018, 151, 826-838.	9.0	21
106	The electricity- and CO2-saving potentials offered by regulation of European video-streaming services. <i>Energy Policy</i> , 2022, 161, 112716.	8.8	21
107	A Sustainability Framework for Enhancing the Long-Term Success of Lulucf Projects. <i>Climatic Change</i> , 2006, 75, 241-271.	3.7	20
108	Assessment of clean-coal strategies: The questionable merits of carbon capture-readiness. <i>Energy</i> , 2013, 52, 27-36.	9.0	20

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109	Determinants of Commuter Trends and Implications for Indirect Rebound Effects: A Case Study of Germany's Largest Federal State of NRW, 1994-2013. SSRN Electronic Journal, 2014, , .	0.3	20
110	Green and regional? A multi-criteria assessment framework for the provision of green electricity for electric vehicles in Germany. Transportation Research, Part D: Transport and Environment, 2020, 87, 102504.	6.9	20
111	Backtesting and Evaluation of Different Trading Schemes for the Portfolio Management of Natural Gas. SSRN Electronic Journal, 0, , .	0.3	20
112	External Effects of Hydraulic Fracturing: Risks and Welfare Considerations for Water Supply in Germany. SSRN Electronic Journal, 0, , .	0.3	20
113	The economic potential of grid defection of energy prosumer households in Germany. Advances in Applied Energy, 2021, 4, 100075.	13.5	20
114	Adoption and Diffusion of Decentralised Energy Conversion Technologies: The Success of Engine Co-Generation in Germany. Energy and Environment, 2003, 14, 627-662.	4.5	19
115	Homeowner satisfaction with low-carbon heating technologies. Journal of Cleaner Production, 2017, 141, 1286-1292.	9.5	19
116	Shall I open the window? Policy implications of thermal-comfort adjustment practices in residential buildings. Energy Policy, 2018, 119, 518-527.	8.8	19
117	The rebound effect representation in climate and energy models. Environmental Research Letters, 2020, 15, 123010.	5.3	19
118	Sustainable Energy Development in Austria Until 2020: Insights from Applying the Integrated Model 'e3.at'. SSRN Electronic Journal, 0, , .	0.3	19
119	Title is missing!. Annals of Operations Research, 2003, 121, 181-203.	4.1	18
120	Investment Decisions Under Uncertainty: CCS Competing with Green Energy Technologies. Energy Procedia, 2013, 37, 7029-7038.	1.8	18
121	Multi-commodity real options analysis of power plant investments: discounting endogenous risk structures. Energy Systems, 2014, 5, 423-447.	3.2	18
122	Optimal investment strategies in power generation assets: The role of technological choice and existing portfolios in the deployment of low-carbon technologies. International Journal of Greenhouse Gas Control, 2014, 28, 114-125.	4.6	18
123	Economic Viability of Second-Life Electric Vehicle Batteries for Energy Storage in Private Households. SSRN Electronic Journal, 0, , .	0.3	18
124	Evaluating the Enhanced Flexibility of Lignite-Fired Power Plants: A Real Options Analysis. SSRN Electronic Journal, 2017, , .	0.3	18
125	Economic Feasibility of Semi-Underground Pumped Storage Hydropower Plants in Open-Pit Mines. Energies, 2020, 13, 4178.	3.2	18
126	Optimal Expansion of a Hydrogen Storage System for Wind Power: A Real Options Analysis. SSRN Electronic Journal, 0, , .	0.3	18

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127	Fueling the US Economy: Energy as a Production Factor from the Great Depression Until Today. SSRN Electronic Journal, 0, , .	0.3	18
128	Assessment of the technological development and economic potential of photobioreactors. Applied Energy, 2011, 88, 1906-1919.	10.3	17
129	Towards an efficient and low carbon economy post-2012: opportunities and barriers for foreign companies in the Russian energy market. Mitigation and Adaptation Strategies for Global Change, 2012, 17, 387-413.	2.2	17
130	Risk Analysis of Energy Performance Contracting Projects in Russia: An Analytic Hierarchy Process Approach. SSRN Electronic Journal, 0, , .	0.3	17
131	Identifying Business Models for Photovoltaic Systems with Storage in the Italian Market: A Discrete Choice Experiment. SSRN Electronic Journal, 2014, , .	0.3	17
132	The impact of wind farms on property values: A locally weighted hedonic pricing model. Papers in Regional Science, 2017, 96, 423-445.	2.0	17
133	Evaluating the enhanced flexibility of lignite-fired power plants: A real options analysis. Energy Conversion and Management, 2018, 177, 737-749.	9.3	17
134	A Least-Cost Assessment of the CO ₂ Mitigation Potential Using Renewable Energies in the Indian Electricity Supply Sector. SSRN Electronic Journal, 0, , .	0.3	17
135	Auction Schemes, Bidding Strategies and the Cost-Optimal Level of Promoting Renewable Electricity in Germany. Energy Journal, 2017, 38, 229-264.	1.6	17
136	Consumer behavior in energy-efficient homes: The limited merits of energy performance ratings as benchmarks. Energy and Buildings, 2018, 172, 405-413.	6.8	16
137	Consumer Behavior in Energy-Efficient Homes: The Limited Merits of Energy Performance Ratings as Benchmarks. SSRN Electronic Journal, 2016, , .	0.3	15
138	Optimal Timing of Onshore Wind Repowering in Germany under Policy Regime Changes: A Real Options Analysis. Energies, 2019, 12, 4703.	3.2	15
139	Optimal timing of wind farm repowering: a two-factor real options analysis. Journal of Energy Markets, 2014, 7, 3-34.	0.1	15
140	Russia's Emerging ESCO Market: Prospects and Barriers for Energy Efficiency Investments. SSRN Electronic Journal, 0, , .	0.3	15
141	Spatial diffusion of biogas technology in Switzerland: a GIS-based multi-agent simulation approach. International Journal of Environment and Pollution, 2009, 39, 28.	0.2	14
142	Economic Viability of Kite-Based Wind Energy Powerships with CAES or Hydrogen Storage. Energy Procedia, 2015, 75, 704-715.	1.8	14
143	The Turning Tide: How Energy Has Driven the Transformation of the British Economy Since the Industrial Revolution. SSRN Electronic Journal, 0, , .	0.3	14
144	Economic Implications of Enhanced Forecast Accuracy: The Case of Photovoltaic Feed-In Forecasts. SSRN Electronic Journal, 0, , .	0.3	13

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145	Charged up? Preferences for Electric Vehicle Charging and Implications for Charging Infrastructure Planning. SSRN Electronic Journal, 0, , .	0.3	13
146	Simulation and Evaluation of the Economic Merit of Cloud Energy Storage for Prosumers: The Case of Germany. Energy Procedia, 2017, 105, 3507-3514.	1.8	12
147	Impacts of an Ice-Free Northeast Passage on LNG Trading: Transport Routes and Optimal Capacity Planning. SSRN Electronic Journal, 0, , .	0.3	12
148	Heterogeneity in price responsiveness for residential space heating in Germany. Empirical Economics, 2020, 59, 2255-2281.	2.9	12
149	Comparative Analysis of Load Forecasting Models for Varying Time Horizons and Load Aggregation Levels. Energies, 2021, 14, 7128.	3.2	12
150	Flexibility scores for energy transition pathways: Integrating socio-technical factors in a long-term energy market model. Energy Conversion and Management, 2022, 258, 115327.	9.3	12
151	Energy systems in transition: perspectives for the diffusion of small-scale wood pellet heating technology. International Journal of Technology Management, 2005, 29, 327.	0.5	11
152	Multi-Commodity Real Options Analysis of Power Plant Investments: Discounting Endogenous Risk Structures. SSRN Electronic Journal, 2011, , .	0.3	11
153	After 35 Years of Rebound Research in Economics: Where Do We Stand?. , 2016, , 17-36.		11
154	Impacts of an Ice-Free Northeast Passage on LNG Markets and Geopolitics. SSRN Electronic Journal, 2017, , .	0.3	11
155	Assessing the potential of low-carbon technologies in the German energy system. Journal of Environmental Management, 2020, 262, 110345.	7.9	11
156	Portfolio Optimization of Power Generation Assets. Energy Systems, 2012, , 275-296.	0.0	11
157	Investing in power grid infrastructure as a flexibility option: A DSGE assessment for Germany. Energy Economics, 2022, 107, 105843.	12.3	11
158	Prospects and barriers for Russia's emerging ESCO market. International Journal of Energy Sector Management, 2013, 7, 113-150.	2.3	10
159	Beyond Technology Adoption: Homeowner Satisfaction with Newly Adopted Residential Heating Systems. SSRN Electronic Journal, 0, , .	0.3	10
160	General regionalization heuristic to map spatial heterogeneity of macroeconomic impacts: The case of the green energy transition in NRW. Utilities Policy, 2019, 58, 166-174.	4.1	10
161	The Influence of Policy Regime Risks on Investments in Innovative Energy Technology. SSRN Electronic Journal, 0, , .	0.3	10
162	Direct and Indirect Energy Rebound Effects in German Households: A Linearized Almost Ideal Demand System Approach. Energy Journal, 2020, 41, 89-118.	1.6	10

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163	Multi-Criteria assessment of the user experience at E-Vehicle charging stations in Germany. Transportation Research, Part D: Transport and Environment, 2023, 121, 103782.	6.9	10
164	Residential energy demand analysis: An empirical application of the closure test principle. Empirical Economics, 1996, 21, 203-220.	2.9	9
165	Ökonomische Bewertung des Repowering von Onshore-Windenergieanlagen in Deutschland. Zeitschrift für Energiewirtschaft, 2011, 35, 297-320.	0.3	9
166	Two-Level Distributed Demand-Side Management Using the Smart Energy Hub Concept. Energy Procedia, 2019, 158, 3052-3063.	1.8	9
167	Using Value-Focused Thinking and Multicriteria Decision Making to Evaluate Energy Transition Alternatives. Decision Analysis, 2020, 17, 330-355.	2.4	9
168	The continuing evolution of Energy Policy. Energy Policy, 2020, 139, 111459.	8.8	9
169	Heterogeneity in Price Responsiveness for Residential Space Heating in Germany. SSRN Electronic Journal, 0, , .	0.3	9
170	Risikomanagement und -controlling bei Offshore-Windenergieanlagen. Zeitschrift für Energiewirtschaft, 2009, 33, 135-146.	0.3	8
171	Economic Feasibility of Pipe Storage and Underground Reservoir Storage Options for Power-to-Gas Load Balancing. Energy Procedia, 2014, 61, 2201-2205.	1.8	8
172	Writing successfully for Energy Policy. Energy Policy, 2016, 93, 1-2.	8.8	8
173	Cost-Effectiveness of Li-Ion Battery Storage with a Special Focus on Photovoltaic Systems in Private Households. SSRN Electronic Journal, 0, , .	0.3	8
174	The Influence of Policy Regime Risks on Investments in Innovative Energy Technology. Energy Journal, 2016, 37, 145-160.	1.6	8
175	An auction mechanism for local energy markets: Results from theory and simulation. , 2012, , .		7
176	Evaluation of different hedging strategies for commodity price risks of industrial cogeneration plants. Energy Policy, 2013, 59, 143-160.	8.8	7
177	Economic Policy Evaluation for the Deployment of Alternative Energy Sources in Brazil. SSRN Electronic Journal, 0, , .	0.3	7
178	Optimal expansion of a hydrogen storage system for wind power (H2-WESS): A real options analysis. Energy Procedia, 2017, 105, 3816-3823.	1.8	7
179	Revisiting Heat Energy Consumption Modeling: Household Production Theory Applied to Field Experimental Data. SSRN Electronic Journal, 0, , .	0.3	7
180	A Real Options Model for the Disinvestment in Conventional Power Plants. SSRN Electronic Journal, 0, , .	0.3	7

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181	Renewable energy roadmap for central Europe until 2050: A scenario based techno-economic analysis. , 2016, , .		6
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