Stefan VÃ¶gele

List of Publications by Year
in descending order

55 papers	1,667 citations	331670 21 h-index	302126 39 g-index
58 all docs	58 docs citations	58 times ranked	1697 citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of a coal phase-out in Europe on reaching the UN Sustainable Development Goals. Environment, Development and Sustainability, 2023, 25, 879-916.	5.0	8
2	On the Future(s) of Energy Communities in the German Energy Transition: A Derivation of Transformation Pathways. Sustainability, 2022, 14, 3169.	3.2	14
3	Dissemination of PV-Battery systems in the German residential sector up to 2050: Technological diffusion from multidisciplinary perspectives. Energy, 2022, 248, 123477.	8.8	4
4	International Climate Policy and Economic Perspectives. , 2022, , 3559-3609.		1
5	Why the trend towards gas-guzzlers? A closer look at the complex effects of social norms on German car buyers. Energy Research and Social Science, 2021, 72, 101840.	6.4	12
6	Linking qualitative scenarios with quantitative energy models: knowledge integration in different methodological designs. Energy, Sustainability and Society, 2021, 11, .	3.8	9
7	E-mobility from a multi-actor point of view: Uncertainties and their impacts. Technological Forecasting and Social Change, 2021, 170, 120925.	11.6	13
8	Analysing the water and land system impacts of Germany's future energy system. Renewable and Sustainable Energy Reviews, 2021, 150, 111469.	16.4	4
9	Impact of Germanyâ€™s Phase Out of Coal Power Plants on Developing Countries. , 2021, , 465-499.		0
10	Socio-technical scenarios for energy-intensive industries: the future of steel production in Germany. Climatic Change, 2020, 162, 1763-1778.	3.6	16
11	Extreme events definedâ€"A conceptual discussion applying a complex systems approach. Futures, 2020, 115, 102490.	2.5	40
12	Economic disruptions in long-term energy scenarios â€" Implications for designing energy policy. Energy, 2020, 212, 118737.	8.8	7
13	Socio-technical energy scenarios: state-of-the-art and CIB-based approaches. Climatic Change, 2020, 162, 1723-1741.	3.6	34
14	Challenges for the European steel industry: Analysis, possible consequences and impacts on sustainable development. Applied Energy, 2020, 264, 114633.	10.1	26
15	Multi-criteria Approaches to Ancillary Effects: The Example of E-Mobility. Springer Climate, 2020, , 157-178.	0.6	2
16	Analyzing Brexit: Implications for the Electricity System of Great Britain. Energies, 2019, 12, 3212.	3.1	10
17	Changing attitudes and conflicting arguments: Reviewing stakeholder communication on electricity technologies in Germany. Energy Research and Social Science, 2019, 55, 106-121.	6.4	9
18	How to deal with non-linear pathways towards energy futures. TATuP - Zeitschrift FÃ¼r TechnikfolgenabschÃ¤tzung in Theorie Und Praxis, 2019, 28, 20-26.	0.4	5

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19	Germanyâ€™s â€œNoâ€• to carbon capture and storage: Just a question of lacking acceptance?. Applied Energy, 2018, 214, 205-218.	10.1	35
20	Transformation pathways of phasing out coal-fired power plants in Germany. Energy, Sustainability and Society, 2018, 8, .	3.8	27
21	Analysis of the energy consumption of private households in Germany using multi-level cross-impact balance approach - Data. Data in Brief, 2017, 10, 515-517.	1.0	5
22	Comments on â€œEffects of Environmental Temperature Change on the Efficiency of Coal- and Natural Gas-Fired Power Plantsâ€• Environmental Science & Technology, 2017, 51, 5343-5344.	10.0	2
23	Integrated assessment of a phase-out of coal-fired power plants in Germany. Energy, 2017, 126, 285-305.	8.8	48
24	Building scenarios for energy consumption of private households in Germany using a multi-level cross-impact balance approach. Energy, 2017, 120, 937-946.	8.8	25
25	Cross-impact balance as an approach for the development of consistent storylines for the European energy market. , 2017, , .		2
26	Reduktion des gebÃ¤uderelevanten Energiebedarfs als Herausforderung fÃ¼r die Energiewende. Sechs Thesen zu unterschÃ¤tzten Barrieren und Potenzialen. , 2017, , 513-530.		2
27	Context scenarios and their usage for the construction of socio-technical energy scenarios. Energy, 2016, 111, 956-970.	8.8	76
28	The impact of climate change and variability on the generation of electrical power. Meteorologische Zeitschrift, 2015, 24, 173-188.	1.0	22
29	An analysis of the economic determinants of energy efficiency in the European iron and steel industry. Journal of Cleaner Production, 2015, 104, 250-263.	9.3	42
30	Economic Analysis of Carbon Capture in the Energy Sector. , 2015, , 147-171.		1
31	Do lead markets for clean coal technology follow market demand? A case study for China, Germany, Japan and the US. Environmental Innovation and Societal Transitions, 2014, 10, 42-58.	5.5	27
32	Time and tide wait for no man pioneers and laggards in the deployment of CCS. Energy Conversion and Management, 2014, 83, 330-336.	9.2	12
33	Security of Water Supply and Electricity Production: Aspects of Integrated Management. Water Resources Management, 2014, 28, 1767-1780.	3.9	9
34	Hydro-climatic conditions and thermoelectric electricity generation â€“ Part II: Model application to 17 nuclear power plants in Germany. Energy, 2014, 69, 700-707.	8.8	21
35	A Time Step Energy Process Model for Germany - Model Structure and Results. Energy Studies Review, 2014, 14, .	0.2	28
36	Effects of carbon dioxide capture and storage in Germany on European electricity exchange and welfare. Energy Policy, 2013, 59, 582-588.	8.8	8

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37	Hydro-climatic conditions and thermoelectric electricity generation â€“ Part I: Development of models. Energy, 2013, 63, 42-51.	8.8	16
38	Decisions on investments in photovoltaics and carbon capture and storage: A comparison between two different greenhouse gas control strategies. Energy, 2013, 62, 385-392.	8.8	9
39	Short-term distributional consequences of climate change impacts on the power sector: who gains and who loses?. Climatic Change, 2013, 116, 191-206.	3.6	43
40	How clean is clean? Incremental versus radical technological change in coal-fired power plants. Journal of Evolutionary Economics, 2013, 23, 331-355.	1.7	36
41	Water constraints on European power supply under climate change: impacts on electricity prices. Environmental Research Letters, 2013, 8, 035010.	5.2	93
42	Vulnerability of US and European electricity supply to climate change. Nature Climate Change, 2012, 2, 676-681.	18.8	444
43	Trends in water demand and water availability for power plantsâ€"scenario analyses for the German capital Berlin. Climatic Change, 2012, 110, 879-899.	3.6	26
44	Modeling thermoelectric power generation in view of climate change: a comment. Regional Environmental Change, 2011, 11, 207-209.	2.9	1
45	Impacts of climate change on European critical infrastructures: The case of the power sector. Environmental Science and Policy, 2011, 14, 53-63.	4.9	120
46	Environmental analysis of a German strategy for carbon capture and storage of coal power plants. Energy Policy, 2010, 38, 7873-7883.	8.8	26
47	Dynamic modelling of water demand, water availability and adaptation strategies for power plants to global change. Ecological Economics, 2009, 68, 2031-2039.	5.7	166
48	Environmental impacts of a German CCS strategy. Energy Procedia, 2009, 1, 3763-3770.	1.8	14
49	A Hybrid IO Energy Model to Analyze CO2 Reduction Policies: A Case of Germany. Eco-efficiency in Industry and Science, 2009, , 337-356.	0.1	3
50	CCS: A future CO2 mitigation option for Germany?â€"A bottom-up approach. Energy Policy, 2007, 35, 2110-2120.	8.8	46
51	The future role of CO2-capture as part of a german mitigation strategy. , 2005, , 1613-1617.		0
52	The cost of phasing out nuclear power:. Energy Economics, 2002, 24, 469-490.	12.1	5
53	Impacts of Climate Change on European Critical Infrastructures: The Case of the Power Sector. SSRN Electronic Journal, 0, , .	0.4	8
54	Decisions on Investments in Photovoltaics and Carbon Capture and Storage: A Comparison between Two Different Greenhouse Gas Control Strategies. SSRN Electronic Journal, 0, , .	0.4	0

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55	Lead Markets for Clean Coal Technologies: A Case Study for China, Germany, Japan and the USA. SSRN Electronic Journal, 0, , .	0.4	0