Ludger Eltrop

List of Publications by Year
in descending order

41 papers	1,118 citations	516710 16 h-index	395702 33 g-index
41 all docs	41 docs citations	41 times ranked	1398 citing authors

#	Article	IF	Citations
1	Techno-economic evaluation of two hydrogen supply options to southern Germany: On-site production and import from Portugal. International Journal of Hydrogen Energy, 2022, 47, 25214-25228.	7.1	4
2	A case study on energy system optimization at neighborhood level based on simulated data: A building-specific approach. Energy and Buildings, 2021, 238, 110785.	6.7	9
3	Seasonal flexibilisation: A solution for biogas plants to improve profitability. Advances in Applied Energy, 2021, 2, 100034.	13.2	8
4	Cost-Optimized Heat and Power Supply for Residential Buildings: The Cost-Reducing Effect of Forming Smart Energy Neighborhoods. Energies, 2021, 14, 5093.	3.1	0
5	Integration of seawater pumped storage and desalination in multi-energy systems planning: The case of copper as a key material for the energy transition. Applied Energy, 2021, 299, 117298.	10.1	8
6	Extending the Operation of Existing Biogas Plants: Which Follow-Up Concepts and Plants Will Prevail?. Frontiers in Energy Research, 2021, 9, .	2.3	1
7	Renewable energy in copper production: A review on systems design and methodological approaches. Journal of Cleaner Production, 2020, 246, 118978.	9.3	33
8	Vertical bifacial photovoltaics â€“ A complementary technology for the European electricity supply?. Applied Energy, 2020, 264, 114782.	10.1	20
9	Impact of field design and location on the techno-economic performance of fixed-tilt and single-axis tracked bifacial photovoltaic power plants. Solar Energy, 2020, 207, 564-578.	6.1	9
10	Development of Scenarios for a Multi-Model System Analysis Based on the Example of a Cellular Energy System. Energies, 2020, 13, 773.	3.1	5
11	CNG und LNG aus biogenen Reststoffen â€“ ein Konzept zur ressourcenschonenden Kraftstoffproduktion. Chemie-Ingenieur-Technik, 2020, 92, 144-155.	0.8	0
12	Repowering von Biogasanlagen â€“ ein Beitrag zur nachhaltigen Energieversorgung?. TechnikzukuÌˆnfte, Wissenschaft Und Gesellschaft, 2020, , 309-342.	0.1	0
13	Solar photovoltaic power generation in Iran: Development, policies, and barriers. Renewable and Sustainable Energy Reviews, 2019, 106, 110-123.	16.4	97
14	A Life Cycle Assessment of Biomethane Production from Waste Feedstock Through Different Upgrading Technologies. Energies, 2019, 12, 718.	3.1	59
15	Simulating the energy yield of a bifacial photovoltaic power plant. Solar Energy, 2019, 183, 812-822.	6.1	56
16	Assessment of Household Solid Waste Generation and Composition by Building Type in Da Nang, Vietnam. Resources, 2019, 8, 171.	3.5	12
17	A plantâ€specific model approach to assess effects of repowering measures on existing biogas plants: The case of Badenâ€Wuerttemberg. GCB Bioenergy, 2019, 11, 85-106.	5.6	13
18	How to Measure the Resilience of a Fully Renewable Multi-Vector Energy System?. , 2019, , .		0

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19	Sunset or sunrise? Understanding the barriers and options for the massive deployment of solar technologies in Chile. Energy Policy, 2018, 112, 399-414.	8.8	48
20	Solar-powered pyrolysis of scrap rubber from mining truck end-of-life tires â€“ A case study for the mining industry in the Atacama Desert, Chile. AIP Conference Proceedings, 2018, , .	0.4	2
21	Solar energy alternatives for copper production. AIP Conference Proceedings, 2018, , .	0.4	3
22	Streamlined life cycle analysis for assessing energy and exergy performance as well as impact on the climate for landfill gas utilization technologies. Applied Energy, 2017, 185, 805-813.	10.1	15
23	Towards solar power supply for copper production in Chile: Assessment of global warming potential using a life-cycle approach. Journal of Cleaner Production, 2017, 164, 242-249.	9.3	46
24	Life cycle assessment of a future central receiver solar power plant and autonomous operated heliostat concepts. Solar Energy, 2017, 157, 187-200.	6.1	12
25	Opportunities to integrate solar technologies into the Chilean lithium mining industry â€“ reducing process related GHG emissions of a strategic storage resource. AIP Conference Proceedings, 2017, , .	0.4	3
26	A solar furnace for copper smelting in Chile: assessment of economic benefits and reductions in greenhouse gas emissions. , 2017, , .		0
27	A Holistic Comparative Analysis of Different Storage Systems using Levelized Cost of Storage and Life Cycle Indicators. Energy Procedia, 2015, 73, 18-28.	1.8	34
28	Integrated Analysis of Dispatchable Concentrated Solar Power. Energy Procedia, 2015, 69, 1711-1721.	1.8	9
29	Bioenergy villages in Germany: Bringing a low carbon energy supply for rural areas into practice. Renewable Energy, 2014, 61, 74-80.	8.9	55
30	Assessment of selected CCS technologies in electricity and synthetic fuel production for CO2 mitigation in South Africa. Energy Policy, 2013, 63, 168-180.	8.8	19
31	Renewable Energy: Resources and Technologies. Green Energy and Technology, 2013, , 15-32.	0.6	1
32	Simulation and analysis of different adiabatic Compressed Air Energy Storage plant configurations. Applied Energy, 2012, 93, 541-548.	10.1	260
33	Environmental and economic assessment of international ethanol trade options for the German transport sector. Biomass and Bioenergy, 2012, 36, 20-30.	5.7	12
34	Greenhouse gas emissions and abatement costs of biofuel production in <scp>S</scp>outh <scp>A</scp>frica. GCB Bioenergy, 2012, 4, 799-810.	5.6	11
35	Nachhaltigkeitsbewertung von Technologien zur WÃrmebereitstellung in WohngebÃuden. , 2012, , 7-30.		1
36	A confusion of tongues or the art of aggregating indicatorsâ€"Reflections on four projective methodologies on sustainability measurement. Renewable and Sustainable Energy Reviews, 2011, 15, 2385-2396.	16.4	30

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37	Barriers of implementing Clean Development Mechanism in South Africa: Building energy efficiency projects. , 2011, , .		0
38	Land substitution effects of biofuel side products and implications on the land area requirement for EU 2020 biofuel targets. Energy Policy, 2009, 37, 2986-2996.	8.8	57
39	Growth and mineral nutrition of non-mycorrhizal and mycorrhizal Norway spruce (Picea abies) seedlings grown in semi-hydroponic sand culture. I. Growth and mineral nutrient uptake in plants supplied with different forms of nitrogen. New Phytologist, 1996, 133, 469-478.	7.3	68
40	Growth and mineral nutrition of non-mycorrhizal and mycorrhizal Norway spruce (Picea abies) seedlings grown in semi-hydroponic sand culture. II. Carbon partitioning in plants supplied with ammonium or nitrate. New Phytologist, 1996, 133, 479-486.	7.3	37
41	Lead tolerance of Betula and Salix in the mining area of Mechernich/Germany. Plant and Soil, 1991, 131, 275-285.	3.7	61