Emre GenÃ§er

List of Publications by Year
in descending order

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29	1,140	430874	501196
papers	citations	18 h-index	28 g-index

29	29	29	1227
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Process improvements and multi-objective optimization of compressed air energy storage (CAES) system. Journal of Cleaner Production, 2022, 335, 130081.	9.3	24
2	An Integrated Assessment of Emissions, Air Quality, and Public Health Impacts of Chinaâ€™s Transition to Electric Vehicles. Environmental Science & Technology, 2022, 56, 6836-6846.	10.0	30
3	Optimal liquified natural gas (LNG) cold energy utilization in an Allam cycle power plant with carbon capture and storage. Energy Conversion and Management, 2021, 228, 113725.	9.2	41
4	Sector coupling via hydrogen to lower the cost of energy system decarbonization. Energy and Environmental Science, 2021, 14, 4635-4646.	30.8	65
5	Back-End Design and Development of an Energy Systems Analysis Tool. Computer Aided Chemical Engineering, 2021, 50, 1433-1438.	0.5	0
6	Hydrogen Supply Chain Planning With Flexible Transmission and Storage Scheduling. IEEE Transactions on Sustainable Energy, 2021, 12, 1730-1740.	8.8	53
7	Techno-economic analysis of balancing Californiaâ€™s power system on a seasonal basis: Hydrogen vs. lithium-ion batteries. Applied Energy, 2021, 300, 117314.	10.1	17
8	On the climate impacts of blue hydrogen production. Sustainable Energy and Fuels, 2021, 6, 66-75.	4.9	126
9	Can Industrial-Scale Solar Hydrogen Supplied from Commodity Technologies Be Cost Competitive by 2030?. Cell Reports Physical Science, 2020, 1, 100174.	5.6	45
10	Hourly Power Grid Variations, Electric Vehicle Charging Patterns, and Operating Emissions. Environmental Science & Technology, 2020, 54, 16071-16085.	10.0	26
11	Sustainable energy system analysis modeling environment: Analyzing life cycle emissions of the energy transition. Applied Energy, 2020, 277, 115550.	10.1	37
12	Technoeconomic Analysis of the Electrochemically Mediated Amine Regeneration CO₂ Capture Process. Industrial & Engineering Chemistry Research, 2020, 59, 14085-14095.	3.7	24
13	Sustainable production of ammonia fertilizers from biomass. Biofuels, Bioproducts and Biorefining, 2020, 14, 725-733.	3.7	10
14	Highlighting and overcoming data barriers: creating open data for retrospective analysis of US electric power systems by consolidating publicly available sources. Environmental Research Communications, 2020, 2, 115001.	2.3	3
15	Parametric modeling of life cycle greenhouse gas emissions from photovoltaic power. Applied Energy, 2019, 238, 760-774.	10.1	30
16	A Framework for Multi-level Life Cycle Analysis of the Energy System. Computer Aided Chemical Engineering, 2019, , 763-768.	0.5	2
17	Modeling Impacts of Tracking on Greenhouse Gas Emissions from Photovoltaic Power. Computer Aided Chemical Engineering, 2019, 46, 1057-1062.	0.5	1
18	Toward supplying food, energy, and water demand: Integrated solar desalination process synthesis with power and hydrogen coproduction. Resources, Conservation and Recycling, 2018, 133, 331-342.	10.8	34

#	Article	IF	Citations
19	A General Model for Estimating Emissions from Integrated Power Generation and Energy Storage. Case Study: Integration of Solar Photovoltaic Power and Wind Power with Batteries. Processes, 2018, 6, 267.	2.8	29
20	Valorization of Shale Gas Condensate to Liquid Hydrocarbons through Catalytic Dehydrogenation and Oligomerization. Processes, 2018, 6, 139.	2.8	46
21	Strategy to synthesize integrated solar energy coproduction processes with optimal process intensification. Case study: Efficient solar thermal hydrogen production. Computers and Chemical Engineering, 2017, 105, 328-347.	3.8	14
22	Synthesis of efficient solar thermal power cycles for baseload power supply. Energy Conversion and Management, 2017, 133, 486-497.	9.2	20
23	Directing solar photons to sustainably meet food, energy, and water needs. Scientific Reports, 2017, 7, 3133.	3.3	25
24	A commentary on the US policies for efficient large scale renewable energy storage systems: Focus on carbon storage cycles. Energy Policy, 2016, 88, 477-484.	8.8	28
25	Integrated Solar Thermal Hydrogen and Power Coproduction Process for Continuous Power Supply and Production of Chemicals. Computer Aided Chemical Engineering, 2015, 37, 2291-2296.	0.5	5
26	Round-the-clock power supply and a sustainable economy via synergistic integration of solar thermal power and hydrogen processes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15821-15826.	7.1	14
27	A synergistic biorefinery based on catalytic conversion of lignin prior to cellulose starting from lignocellulosic biomass. Green Chemistry, 2015, 17, 1492-1499.	9.0	370
28	Synergistic Biomass and Natural Gas Conversion to Liquid Fuel with Reduced CO2 Emissions. Computer Aided Chemical Engineering, 2014, , 525-530.	0.5	5
29	Uninterrupted renewable power through chemical storage cycles. Current Opinion in Chemical Engineering, 2014, 5, 29-36.	7.8	16