Ariel Miara

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1000031/publications.pdf

Version: 2024-02-01

21 papers	673 citations	687363 13 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	603 citing authors

#	Article	IF	Citations
1	Impacts of climate change on energy systems in global and regional scenarios. Nature Energy, 2020, 5, 794-802.	39.5	180
2	Climate and water resource change impacts and adaptation potential for US power supply. Nature Climate Change, 2017, 7, 793-798.	18.8	103
3	Horizontal cooling towers: riverine ecosystem services and the fate of thermoelectric heat in the contemporary Northeast US. Environmental Research Letters, 2013, 8, 025010.	5.2	52
4	Thermal pollution impacts on rivers and power supply in the Mississippi River watershed. Environmental Research Letters, 2018, 13, 034033.	5.2	47
5	Riverine ecosystem services and the thermoelectric sector: strategic issues facing the Northeastern United States. Environmental Research Letters, 2013, 8, 025017.	5.2	31
6	Oil and Gas Produced Water Reuse: Opportunities, Treatment Needs, and Challenges. ACS ES&T Engineering, 2022, 2, 347-366.	7.6	31
7	A dynamic model to assess tradeoffs in power production and riverine ecosystem protection. Environmental Sciences: Processes and Impacts, 2013, 15, 1113.	3.5	27
8	Climate-Water Adaptation for Future US Electricity Infrastructure. Environmental Science & Technology, 2019, 53, 14029-14040.	10.0	27
9	Cost and Energy Metrics for Municipal Water Reuse. ACS ES&T Engineering, 2022, 2, 489-507.	7.6	24
10	The power of efficiency: Optimizing environmental and social benefits through demand-side-management. Energy, 2014, 76, 502-512.	8.8	23
11	River temperature and the thermal-dynamic transport of sediment. Global and Planetary Change, 2019, 178, 168-183.	3.5	21
12	Opportunities and Challenges for Industrial Water Treatment and Reuse. ACS ES&T Engineering, 2022, 2, 465-488.	7.6	19
13	Planning for Algal Systems: An Energy-Water-Food Nexus Perspective. Industrial Biotechnology, 2014, 10, 202-211.	0.8	16
14	Analysis of Brackish Water Desalination for Municipal Uses: Case Studies on Challenges and Opportunities. ACS ES&T Engineering, 2022, 2, 306-322.	7.6	15
15	Mine Water Use, Treatment, and Reuse in the United States: A Look at Current Industry Practices and Select Case Studies. ACS ES&T Engineering, 2022, 2, 391-408.	7.6	9
16	Zero Liquid Discharge and Water Reuse in Recirculating Cooling Towers at Power Facilities: Review and Case Study Analysis. ACS ES&T Engineering, 2022, 2, 508-525.	7.6	9
17	Opportunities for Treatment and Reuse of Agricultural Drainage in the United States. ACS ES&T Engineering, 2022, 2, 292-305.	7.6	7
18	A multi-model framework for assessing long- and short-term climate influences on the electric grid. Applied Energy, 2022, 317, 119193.	10.1	7

#	Article	IF	Citations
19	Pipe Parity Analysis of Seawater Desalination in the United States: Exploring Costs, Energy, and Reliability via Case Studies and Scenarios of Emerging Technology. ACS ES&T Engineering, 2022, 2, 434-445.	7.6	6
20	A multi-reservoir model for projecting drought impacts on thermoelectric disruption risk across the Texas power grid. Energy, 2021, 231, 120892.	8.8	5
21	Life cycle water use for photovoltaic electricity generation: A review and harmonization of literature estimates. , 2014, , .		3