

Ariel Miara

List of Publications by Year in descending order

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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	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
2	Opportunities and Challenges for Industrial Water Treatment and Reuse. ACS ES&T Engineering, 2022, 2, 465-488.	7.6	19
3	Opportunities for Treatment and Reuse of Agricultural Drainage in the United States. ACS ES&T Engineering, 2022, 2, 292-305.	7.6	7
4	Oil and Gas Produced Water Reuse: Opportunities, Treatment Needs, and Challenges. ACS ES&T Engineering, 2022, 2, 347-366.	7.6	31
5	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
6	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
7	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
8	Cost and Energy Metrics for Municipal Water Reuse. ACS ES&T Engineering, 2022, 2, 489-507.	7.6	24
9	A multi-model framework for assessing long- and short-term climate influences on the electric grid. Applied Energy, 2022, 317, 119193.	10.1	7
10	A multi-reservoir model for projecting drought impacts on thermoelectric disruption risk across the Texas power grid. Energy, 2021, 231, 120892.	8.8	5
11	Impacts of climate change on energy systems in global and regional scenarios. Nature Energy, 2020, 5, 794-802.	39.5	180
12	River temperature and the thermal-dynamic transport of sediment. Global and Planetary Change, 2019, 178, 168-183.	3.5	21
13	Climate-Water Adaptation for Future US Electricity Infrastructure. Environmental Science & Technology, 2019, 53, 14029-14040.	10.0	27
14	Thermal pollution impacts on rivers and power supply in the Mississippi River watershed. Environmental Research Letters, 2018, 13, 034033.	5.2	47
15	Climate and water resource change impacts and adaptation potential for US power supply. Nature Climate Change, 2017, 7, 793-798.	18.8	103
16	Planning for Algal Systems: An Energy-Water-Food Nexus Perspective. Industrial Biotechnology, 2014, 10, 202-211.	0.8	16
17	Life cycle water use for photovoltaic electricity generation: A review and harmonization of literature estimates. , 2014, , .		3
18	The power of efficiency: Optimizing environmental and social benefits through demand-side-management. Energy, 2014, 76, 502-512.	8.8	23

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19	A dynamic model to assess tradeoffs in power production and riverine ecosystem protection. Environmental Sciences: Processes and Impacts, 2013, 15, 1113.	3.5	27
20	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
21	Riverine ecosystem services and the thermoelectric sector: strategic issues facing the Northeastern United States. Environmental Research Letters, 2013, 8, 025017.	5.2	31