Erin Whitney

List of Publications by Year
in descending order

21	162	1478505 6	1199594 12
papers	citations	h-index	g-index

21	21	21	113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Applying the foodâ€“energyâ€“water nexus concept at the local scale. Nature Sustainability, 2021, 4, 672-679.	23.7	48
2	MicroFEWs: A Foodâ€“Energyâ€“Water Systems Approach to Renewable Energy Decisions in Islanded Microgrid Communities in Rural Alaska. Environmental Engineering Science, 2019, 36, 843-849.	1.6	19
3	Facilitating Largeâ€Scale Snow Shedding from Inâ€Field Solar Arrays using Icephobic Surfaces with Lowâ€Interfacial Toughness. Advanced Materials Technologies, 2022, 7, 2101032.	5.8	14
4	Development of a Tool for Optimizing Solar and Battery Storage for Container Farming in a Remote Arctic Microgrid. Energies, 2020, 13, 5143.	3.1	13
5	Field Performance of South-Facing and East-West Facing Bifacial Modules in the Arctic. Energies, 2021, 14, 1210.	3.1	12
6	Novel wind resource assessment and demand flexibility analysis for community resilience: A remote microgrid case study. Renewable Energy, 2021, 179, 1472-1486.	8.9	8
7	A framework for assessing food-energy-water security: A FEW case studies from rural Alaska. Science of the Total Environment, 2022, 821, 153355.	8.0	8
8	An Alaska case study: Solar photovoltaic technology in remote microgrids. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	6
9	Heat pump technology: An Alaska case study. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	6
10	An Alaska case study: Diesel generator technologies. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	5
11	An Alaska case study: Energy storage technologies. Journal of Renewable and Sustainable Energy, 2017, 9, 061708.	2.0	5
12	Wind power project size and component costs: An Alaska case study. Journal of Renewable and Sustainable Energy, 2017, 9, 061703.	2.0	3
13	Preface: Technology and cost reviews for renewable energy in Alaska: Sharing our experience and know-how. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	3
14	An Alaska case study: Organic Rankine cycle technology. Journal of Renewable and Sustainable Energy, 2017, 9, 061707.	2.0	3
15	Energy Distribution Modeling for Assessment and Optimal Distribution of Sustainable Energy for On-Grid Food, Energy, and Water Systems in Remote Microgrids. Sustainability, 2021, 13, 9511.	3.2	3
16	An Alaska case study: Biomass technology. Journal of Renewable and Sustainable Energy, 2017, 9, 061705.	2.0	2
17	An Alaska case study: Cost estimates for integrating renewable technologies. Journal of Renewable and Sustainable Energy, 2017, 9, 061709.	2.0	2
18	Catching the Midnight Sun: Performance and Cost of Solar Photovoltaic Technology in Alaska. , 2019, , .		1

#	Article	IF	Citations
19	Modeling and Evaluating Beneficial Matches between Excess Renewable Power Generation and Non-Electric Heat Loads in Remote Alaska Microgrids. Sustainability, 2022, 14, 3884.	3.2	1
20	An Alaska case study: Electrical transmission. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	0
21	From Metrics to Action: A Framework for Identifying Limiting Factors, Key Causes, and Possible Solutions in Food-Energy-Water Security. Frontiers in Climate, 2022, 4, .	2.8	0