

# Erin Whitney

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3227254/publications.pdf>

Version: 2024-02-01

21  
papers

162  
citations

1478505

6  
h-index

1199594

12  
g-index

21  
all docs

21  
docs citations

21  
times ranked

113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facilitating Large-Scale Snow Shedding from In-Field Solar Arrays using Icephobic Surfaces with Low-Interfacial Toughness. <i>Advanced Materials Technologies</i> , 2022, 7, 2101032.	5.8	14
2	A framework for assessing food-energy-water security: A FEW case studies from rural Alaska. <i>Science of the Total Environment</i> , 2022, 821, 153355.	8.0	8
3	Modeling and Evaluating Beneficial Matches between Excess Renewable Power Generation and Non-Electric Heat Loads in Remote Alaska Microgrids. <i>Sustainability</i> , 2022, 14, 3884.	3.2	1
4	From Metrics to Action: A Framework for Identifying Limiting Factors, Key Causes, and Possible Solutions in Food-Energy-Water Security. <i>Frontiers in Climate</i> , 2022, 4, .	2.8	0
5	Field Performance of South-Facing and East-West Facing Bifacial Modules in the Arctic. <i>Energies</i> , 2021, 14, 1210.	3.1	12
6	Applying the food-energy-water nexus concept at the local scale. <i>Nature Sustainability</i> , 2021, 4, 672-679.	23.7	48
7	Energy Distribution Modeling for Assessment and Optimal Distribution of Sustainable Energy for On-Grid Food, Energy, and Water Systems in Remote Microgrids. <i>Sustainability</i> , 2021, 13, 9511.	3.2	3
8	Novel wind resource assessment and demand flexibility analysis for community resilience: A remote microgrid case study. <i>Renewable Energy</i> , 2021, 179, 1472-1486.	8.9	8
9	Development of a Tool for Optimizing Solar and Battery Storage for Container Farming in a Remote Arctic Microgrid. <i>Energies</i> , 2020, 13, 5143.	3.1	13
10	MicroFEWs: A Food-Energy-Water Systems Approach to Renewable Energy Decisions in Islanded Microgrid Communities in Rural Alaska. <i>Environmental Engineering Science</i> , 2019, 36, 843-849.	1.6	19
11	Catching the Midnight Sun: Performance and Cost of Solar Photovoltaic Technology in Alaska. , 2019, , .		1
12	An Alaska case study: Biomass technology. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, 061705.	2.0	2
13	Wind power project size and component costs: An Alaska case study. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, 061703.	2.0	3
14	An Alaska case study: Cost estimates for integrating renewable technologies. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, 061709.	2.0	2
15	An Alaska case study: Diesel generator technologies. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	5
16	An Alaska case study: Electrical transmission. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	0
17	Preface: Technology and cost reviews for renewable energy in Alaska: Sharing our experience and know-how. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	3
18	An Alaska case study: Solar photovoltaic technology in remote microgrids. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	6

#	ARTICLE	IF	CITATIONS
19	An Alaska case study: Energy storage technologies. Journal of Renewable and Sustainable Energy, 2017, 9, 061708.	2.0	5
20	An Alaska case study: Organic Rankine cycle technology. Journal of Renewable and Sustainable Energy, 2017, 9, 061707.	2.0	3
21	Heat pump technology: An Alaska case study. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	6