Trieu Mai

List of Publications by Year
in descending order

34 papers	1,906 citations	279701 23 h-index	377752 34 g-index
47 all docs	47 docs citations	47 times ranked	1796 citing authors

#	Article	IF	Citations
1	Renewable Electricity Futures for the United States. IEEE Transactions on Sustainable Energy, 2014, 5, 372-378.	5.9	154
2	Equilibration and Universal Heat Conduction in Fermi-Pasta-Ulam Chains. Physical Review Letters, 2007, 98, 184301.	2.9	129
3	Timescales of energy storage needed for reducing renewable energy curtailment. Renewable Energy, 2019, 130, 388-399.	4.3	127
4	A retrospective analysis of benefits and impacts of U.S. renewable portfolio standards. Energy Policy, 2016, 96, 645-660.	4.2	122
5	Meta-analysis of high penetration renewable energy scenarios. Renewable and Sustainable Energy Reviews, 2014, 29, 246-253.	8.2	113
6	Implications of high renewable electricity penetration in the U.S. for water use, greenhouse gas emissions, land-use, and materials supply. Applied Energy, 2014, 123, 368-377.	5.1	109
7	The challenges of achieving a 100% renewable electricity system in the United States. Joule, 2021, 5, 1331-1352.	11.7	99
8	Envisioning a renewable electricity future for the United States. Energy, 2014, 65, 374-386.	4.5	89
9	Quantifying the challenge of reaching a 100% renewable energy power system for the United States. Joule, 2021, 5, 1732-1748.	11.7	82
10	Wind Vision: A New Era for Wind Power in the United States. Electricity Journal, 2015, 28, 120-132.	1.3	74
11	The environmental and public health benefits of achieving high penetrations of solar energy in the United States. Energy, 2016, 113, 472-486.	4.5	71
12	The role of input assumptions and model structures in projections of variable renewable energy: A multi-model perspective of the U.S. electricity system. Energy Economics, 2018, 76, 313-324.	5.6	56
13	Bright Future: Solar Power as a Major Contributor to the U.S. Grid. IEEE Power and Energy Magazine, 2013, 11, 22-32.	1.6	51
14	Natural gas scenarios in the U.S. power sector. Energy Economics, 2013, 40, 183-195.	5.6	50
15	Land use and turbine technology influences on wind potential in the United States. Energy, 2021, 223, 120044.	4.5	45
16	Assessing the costs and benefits of US renewable portfolio standards. Environmental Research Letters, 2017, 12, 094023.	2.2	44
17	Long-term implications of sustained wind power growth in the United States: Potential benefits and secondary impacts. Applied Energy, 2016, 179, 146-158.	5.1	40
18	Energy-Storage Modeling: State-of-the-Art and Future Research Directions. IEEE Transactions on Power Systems, 2022, 37, 860-875.	4.6	37

#	Article	IF	Citations
19	Interactions of wind energy project siting, wind resource potential, and the evolution of the U.S. power system. Energy, 2021, 223, 119998.	4.5	34
20	Analyzing storage for wind integration in a transmission-constrained power system. Applied Energy, 2018, 228, 122-129.	5.1	33
21	How low can you go? The importance of quantifying minimum generation levels for renewable integration. Energy Policy, 2018, 115, 249-257.	4.2	32
22	Modeling variable renewable energy and storage in the power sector. Energy Policy, 2021, 156, 112424.	4.2	26
23	An Electrified Future: Initial Scenarios and Future Research for U.S. Energy and Electricity Systems. IEEE Power and Energy Magazine, 2018, 16, 34-47.	1.6	25
24	Long-term implications of sustained wind power growth in the United States: Direct electric system impacts and costs. Applied Energy, 2016, 179, 832-846.	5.1	24
25	Exploring the cost implications of increased renewable energy for the U.S. power system. Electricity Journal, 2021, 34, 106957.	1.3	18
26	Accelerating the Global Transformation to 21st Century Power Systems. Electricity Journal, 2013, 26, 39-51.	1.3	15
27	Setting cost targets for zero-emission electricity generation technologies. Applied Energy, 2019, 250, 582-592.	5.1	15
28	High electrification futures: Impacts to the U.S. bulk power system. Electricity Journal, 2020, 33, 106878.	1.3	9
29	The prospective impacts of 2019 state energy policies on the U.S. electricity system. Energy Policy, 2021, 149, 112013.	4.2	8
30	An evaluation of electricity system technology competitiveness metrics: The case for profitability. Electricity Journal, 2021, 34, 106931.	1.3	8
31	A systematic evaluation of wind's capacity credit in the Western United States. Wind Energy, 2021, 24, 1107-1121.	1.9	5
32	Considering the Role of Solar Generation under Rate-Based Targets in the EPA's Proposed Clean Power Plan. Electricity Journal, 2015, 28, 20-28.	1.3	3
33	Potential Reductions in Emissions and Petroleum Use in Transportation. Transportation Research Record, 2013, 2375, 37-44.	1.0	2
34	A relative value framework: Why do different electricity system technologies have different economic value?. Electricity Journal, 2021, 34, 107007.	1.3	2