

Michael T Craig

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

423
citations

759055

12
h-index

794469

19
g-index

27
all docs

27
docs citations

27
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the potential impacts of climate change on bulk power system planning and operations in the United States. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 98, 255-267.	8.2	67
2	Carbon dioxide emissions effects of grid-scale electricity storage in a decarbonizing power system. <i>Environmental Research Letters</i> , 2018, 13, 014004.	2.2	37
3	Effects on power system operations of potential changes in wind and solar generation potential under climate change. <i>Environmental Research Letters</i> , 2019, 14, 034014.	2.2	37
4	Overcoming the disconnect between energy system and climate modeling. <i>Joule</i> , 2022, 6, 1405-1417.	11.7	31
5	Effects of Climate Change on Capacity Expansion Decisions of an Electricity Generation Fleet in the Southeast U.S.. <i>Environmental Science & Technology</i> , 2021, 55, 2522-2531.	4.6	30
6	The Economic Merits of Flexible Carbon Capture and Sequestration as a Compliance Strategy with the Clean Power Plan. <i>Environmental Science & Technology</i> , 2017, 51, 1102-1109.	4.6	21
7	Dynamic Management of NO _x and SO ₂ Emissions in the Texas and Mid-Atlantic Electric Power Systems and Implications for Air Quality. <i>Environmental Science & Technology</i> , 2016, 50, 1611-1619.	4.6	19
8	Inter-annual variability of wind and solar electricity generation and capacity values in Texas. <i>Environmental Research Letters</i> , 2019, 14, 044032.	2.2	19
9	Edge-mediated patterns of seed removal in experimentally connected and fragmented landscapes. <i>Landscape Ecology</i> , 2011, 26, 1373-1381.	1.9	18
10	Trade-offs in cost and emission reductions between flexible and normal carbon capture and sequestration under carbon dioxide emission constraints. <i>International Journal of Greenhouse Gas Control</i> , 2017, 66, 25-34.	2.3	16
11	Potential impacts of climate change on wind and solar electricity generation in Texas. <i>Climatic Change</i> , 2020, 163, 745-766.	1.7	16
12	The value of vehicle-to-grid in a decarbonizing California grid. <i>Journal of Power Sources</i> , 2021, 513, 230472.	4.0	14
13	Charging Strategies to Minimize Greenhouse Gas Emissions of Electrified Delivery Vehicles. <i>Environmental Science & Technology</i> , 2021, 55, 10108-10120.	4.6	12
14	Valuing intra-day coordination of electric power and natural gas system operations. <i>Energy Policy</i> , 2020, 141, 111470.	4.2	11
15	A retrospective analysis of the market price response to distributed photovoltaic generation in California. <i>Energy Policy</i> , 2018, 121, 394-403.	4.2	10
16	Coordinated operation of electricity and natural gas systems from day-ahead to real-time markets. <i>Journal of Cleaner Production</i> , 2021, 281, 124759.	4.6	9
17	Reliability benefits of wide-area renewable energy planning across the Western United States. <i>Renewable Energy</i> , 2021, 179, 1487-1499.	4.3	9
18	Compounding climate change impacts during high stress periods for a high wind and solar power system in Texas. <i>Environmental Research Letters</i> , 2020, 15, 024002.	2.2	8

#	ARTICLE	IF	CITATIONS
19	Optimizing Solar-Plus-Storage Deployment on Public Buildings for Climate, Health, Resilience, and Energy Bill Benefits. Environmental Science & Technology, 2021, 55, 12528-12538.	4.6	8
20	Optimizing future cost and emissions of electric delivery vehicles. Journal of Industrial Ecology, 2022, 26, 1108-1122.	2.8	7
21	Technology adoption under time-differentiated market-based instruments for pollution control. Energy Economics, 2016, 60, 23-34.	5.6	5
22	Climate-Induced Tradeoffs in Planning and Operating Costs of a Regional Electricity System. Environmental Science & Technology, 2021, 55, 11204-11215.	4.6	5
23	Emissions impacts of electrifying motorcycle taxis in Kampala, Uganda. Transportation Research, Part D: Transport and Environment, 2022, 104, 103193.	3.2	5
24	Linear Approximation Line Pack Model for Integrated Electricity and Natural Gas Systems OPF. , 2019, , .		4
25	Net revenue and downstream flow impact trade-offs for a network of small-scale hydropower facilities in California. Environmental Research Communications, 2019, 1, 011001.	0.9	3
26	A techno-economic analysis of distributed energy resources versus wholesale electricity purchases for fueling decarbonized heavy duty vehicles. Applied Energy, 2022, 322, 119460.	5.1	2
27	Impact of variable renewable energy sources on bulk power system planning and operations. , 2021, , 363-394.		0