

# Douglas Arent

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4416039/publications.pdf>

Version: 2024-02-01

20  
papers

2,126  
citations

759233

12  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of energy systems. MRS Bulletin, 2022, , 1-14.	3.5	2
2	The rise of electric vehiclesâ€™2020 status and future expectations. Progress in Energy, 2021, 3, 022002.	10.9	132
3	Of actors, cities and energy systems: advancing the transformative potential of urban electrification. Progress in Energy, 2021, 3, 032002.	10.9	7
4	The challenges of achieving a 100% renewable electricity system in the United States. Joule, 2021, 5, 1331-1352.	24.0	99
5	Exploring the future energy-mobility nexus: The transportation energy & mobility pathway options (TEMPO) model. Transportation Research, Part D: Transport and Environment, 2021, 98, 102967.	6.8	11
6	Multi-input, Multi-output Hybrid Energy Systems. Joule, 2021, 5, 47-58.	24.0	40
7	Future integrated mobility-energy systems: A modeling perspective. Renewable and Sustainable Energy Reviews, 2020, 119, 109541.	16.4	32
8	Progress and Prospective of Nitrogen-Based Alternative Fuels. Chemical Reviews, 2020, 120, 5352-5436.	47.7	165
9	Introduction to the Topical Collection on Regional Renewable Energy â€™ Africa. Current Sustainable/Renewable Energy Reports, 2019, 6, 1-4.	2.6	0
10	The Food-Energy-Water Nexus, Regional Sustainability, and Hydraulic Fracturing: An Integrated Assessment of the Denver Region. Case Studies in the Environment, 2019, 3, 1-21.	0.7	6
11	Net-zero emissions energy systems. Science, 2018, 360, .	12.6	1,165
12	Online purchasing creates opportunities to lower the life cycle carbon footprints of consumer products. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9780-9785.	7.1	14
13	A review of water and greenhouse gas impacts of unconventional natural gas development in the United States. MRS Energy & Sustainability, 2015, 2, 1.	3.0	8
14	Harmonization of initial estimates of shale gas life cycle greenhouse gas emissions for electric power generation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3167-76.	7.1	120
15	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.	10.1	109
16	Natural gas scenarios in the U.S. power sector. Energy Economics, 2013, 40, 183-195.	12.1	50
17	Interactions, Complementarities and Tensions at the Nexus of Natural Gas and Renewable Energy. Electricity Journal, 2012, 25, 38-48.	2.5	38
18	Impact of Distributed Energy Resources on the Reliability of Critical Telecommunications Facilities. , 2006, , .		5

#	ARTICLE	IF	CITATIONS
19	Electrochemical Investigation of the Gallium Nitrideâ€Aqueous Electrolyte Interface. Journal of the Electrochemical Society, 1995, 142, L238-L240.	2.9	110
20	Urban Electrification: Knowledge Pathway Toward an Integrated Research and Development Agenda. SSRN Electronic Journal, 0, , .	0.4	4