

# 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	Net-zero emissions energy systems. <i>Science</i> , 2018, 360, .	12.6	1,165
2	Progress and Prospective of Nitrogen-Based Alternative Fuels. <i>Chemical Reviews</i> , 2020, 120, 5352-5436.	47.7	165
3	The rise of electric vehicles—2020 status and future expectations. <i>Progress in Energy</i> , 2021, 3, 022002.	10.9	132
4	Harmonization of initial estimates of shale gas life cycle greenhouse gas emissions for electric power generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3167-76.	7.1	120
5	Electrochemical Investigation of the Gallium Nitride—Aqueous Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , 1995, 142, L238-L240.	2.9	110
6	Implications of high renewable electricity penetration in the U.S. for water use, greenhouse gas emissions, land-use, and materials supply. <i>Applied Energy</i> , 2014, 123, 368-377.	10.1	109
7	The challenges of achieving a 100% renewable electricity system in the United States. <i>Joule</i> , 2021, 5, 1331-1352.	24.0	99
8	Natural gas scenarios in the U.S. power sector. <i>Energy Economics</i> , 2013, 40, 183-195.	12.1	50
9	Multi-input, Multi-output Hybrid Energy Systems. <i>Joule</i> , 2021, 5, 47-58.	24.0	40
10	Interactions, Complementarities and Tensions at the Nexus of Natural Gas and Renewable Energy. <i>Electricity Journal</i> , 2012, 25, 38-48.	2.5	38
11	Future integrated mobility-energy systems: A modeling perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109541.	16.4	32
12	Online purchasing creates opportunities to lower the life cycle carbon footprints of consumer products. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9780-9785.	7.1	14
13	Exploring the future energy-mobility nexus: The transportation energy & mobility pathway options (TEMPO) model. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 98, 102967.	6.8	11
14	A review of water and greenhouse gas impacts of unconventional natural gas development in the United States. <i>MRS Energy &amp; Sustainability</i> , 2015, 2, 1.	3.0	8
15	Of actors, cities and energy systems: advancing the transformative potential of urban electrification. <i>Progress in Energy</i> , 2021, 3, 032002.	10.9	7
16	The Food-Energy-Water Nexus, Regional Sustainability, and Hydraulic Fracturing: An Integrated Assessment of the Denver Region. <i>Case Studies in the Environment</i> , 2019, 3, 1-21.	0.7	6
17	Impact of Distributed Energy Resources on the Reliability of Critical Telecommunications Facilities. , 2006, , .		5
18	Urban Electrification: Knowledge Pathway Toward an Integrated Research and Development Agenda. <i>SSRN Electronic Journal</i> , 0, , .	0.4	4

#	ARTICLE	IF	CITATIONS
19	Integration of energy systems. MRS Bulletin, 2022, , 1-14.	3.5	2
20	Introduction to the Topical Collection on Regional Renewable Energy “ Africa. Current Sustainable/Renewable Energy Reports, 2019, 6, 1-4.	2.6	0