

Howard J Herzog

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

5,162
citations

331259

21
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

5802
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon capture and storage (CCS): the way forward. <i>Energy and Environmental Science</i> , 2018, 11, 1062-1176.	15.6	2,378
2	The cost of CO ₂ capture and storage. <i>International Journal of Greenhouse Gas Control</i> , 2015, 40, 378-400.	2.3	636
3	Economic and energetic analysis of capturing CO ₂ from ambient air. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20428-20433.	3.3	388
4	Lifetime of carbon capture and storage as a climate-change mitigation technology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5185-5189.	3.3	381
5	On the climate change mitigation potential of CO ₂ conversion to fuels. <i>Energy and Environmental Science</i> , 2017, 10, 2491-2499.	15.6	225
6	Scaling up carbon dioxide capture and storage: From megatons to gigatons. <i>Energy Economics</i> , 2011, 33, 597-604.	5.6	196
7	An Issue of Permanence: Assessing the Effectiveness of Temporary Carbon Storage. <i>Climatic Change</i> , 2003, 59, 293-310.	1.7	130
8	Post-combustion carbon dioxide capture using electrochemically mediated amine regeneration. <i>Energy and Environmental Science</i> , 2013, 6, 2505.	15.6	120
9	Hard-to-Abate Sectors: The role of industrial carbon capture and storage (CCS) in emission mitigation. <i>Applied Energy</i> , 2021, 300, 117322.	5.1	109
10	Title is missing!. <i>Environmental Modeling and Assessment</i> , 1997, 2, 333-343.	1.2	72
11	Biomass logistics analysis for large scale biofuel production: Case study of loblolly pine and switchgrass. <i>Bioresource Technology</i> , 2015, 183, 1-9.	4.8	68
12	Developing a Consistent Database for Regional Geologic CO ₂ Storage Capacity Worldwide. <i>Energy Procedia</i> , 2017, 114, 4697-4709.	1.8	67
13	The cost of CO ₂ transport and storage in global integrated assessment modeling. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103367.	2.3	64
14	The economics of bioenergy with carbon capture and storage (BECCS) deployment in a 1.5°C or 2°C world. <i>Global Environmental Change</i> , 2021, 68, 102262.	3.6	53
15	CO ₂ Capture Using Electrochemically Mediated Amine Regeneration. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7087-7096.	1.8	49
16	Cost and U.S. public policy for new coal power plants with carbon capture and sequestration. <i>Energy Procedia</i> , 2009, 1, 4487-4494.	1.8	47
17	A Path Forward for Low Carbon Power from Biomass. <i>Energies</i> , 2015, 8, 1701-1715.	1.6	36
18	Title is missing!. <i>Environmental Modeling and Assessment</i> , 1997, 2, 345-353.	1.2	32

#	ARTICLE	IF	CITATIONS
19	NER300: Lessons learnt in attempting to secure CCS projects in Europe. International Journal of Greenhouse Gas Control, 2013, 19, 19-25.	2.3	32
20	Representing the costs of low-carbon power generation in multi-region multi-sector energy-economic models. International Journal of Greenhouse Gas Control, 2019, 87, 170-187.	2.3	31
21	Electrochemical and Molecular Assessment of Quinones as CO ₂ -Binding Redox Molecules for Carbon Capture. Journal of Physical Chemistry C, 2022, 126, 1389-1399.	1.5	27
22	SCENARIOS FOR THE DEPLOYMENT OF CARBON CAPTURE AND STORAGE IN THE POWER SECTOR IN A PORTFOLIO OF MITIGATION OPTIONS. Climate Change Economics, 2021, 12, .	2.9	17
23	Rethinking CCS - Moving Forward in Times of Uncertainty. Mining Report, 2013, 149, 318-323.	0.0	4