

# Patrick Lamers

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,768  
citations

331259

21  
h-index

344852

36  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1938  
citing authors

#	ARTICLE	IF	CITATIONS
1	Land use for bioenergy: Synergies and trade-offs between sustainable development goals. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112409.	8.2	38
2	Environmental trade-offs of direct air capture technologies in climate change mitigation toward 2100. <i>Nature Communications</i> , 2022, 13, .	5.8	35
3	Potential Socioeconomic and Environmental Effects of an Expanding U.S. Bioeconomy: An Assessment of Near-Commercial Cellulosic Biofuel Pathways. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5496-5505.	4.6	12
4	Applying a science-based systems perspective to dispel misconceptions about climate effects of forest bioenergy. <i>GCB Bioenergy</i> , 2021, 13, 1210-1231.	2.5	49
5	Editorial: Developing and Deploying Negative Emission Technologies: System-Level Assessment and Rationalization. <i>Frontiers in Climate</i> , 2021, 3, .	1.3	2
6	Circular Bioeconomy Concepts—A Perspective. <i>Frontiers in Sustainability</i> , 2021, 2, .	1.3	88
7	Techno-economic, life-cycle, and socioeconomic impact analysis of enzymatic recycling of poly(ethylene terephthalate). <i>Joule</i> , 2021, 5, 2479-2503.	11.7	160
8	Creating a harmonized time series of environmentally-extended input-output tables to assess the evolution of the US bioeconomy - A retrospective analysis of corn ethanol and soybean biodiesel. <i>Journal of Cleaner Production</i> , 2021, 321, 128890.	4.6	6
9	Investigating the future supply distribution of industrial grade wood pellets in the global bioenergy market. <i>Biofuels</i> , 2020, 11, 871-884.	1.4	5
10	Implications of climate change mitigation strategies on international bioenergy trade. <i>Climatic Change</i> , 2020, 163, 1639-1658.	1.7	32
11	The European wood pellets for heating market - Price developments, trade and market efficiency. <i>Energy</i> , 2020, 212, 118636.	4.5	16
12	European residential wood pellet trade and prices dataset. <i>Data in Brief</i> , 2020, 32, 106254.	0.5	3
13	The future of biomass and bioenergy deployment and trade: a synthesis of 15 years IEA Bioenergy Task 40 on sustainable bioenergy trade. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 247-266.	1.9	47
14	The dynamics of the global wood pellet markets and trade – key regions, developments and impact factors. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 267-280.	1.9	43
15	Making money from waste: The economic viability of producing biogas and biomethane in the Idaho dairy industry. <i>Applied Energy</i> , 2018, 222, 621-636.	5.1	60
16	Time to tear down the pyramids? A critique of cascading hierarchies as a policy tool. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018, 7, e279.	1.9	11
17	Biomass market dynamics supporting the large-scale deployment of high-octane fuel production in the United States. <i>GCB Bioenergy</i> , 2018, 10, 460-472.	2.5	3
18	Environmental, Economic, and Scalability Considerations and Trends of Selected Fuel Economy-Enhancing Biomass-Derived Blendstocks. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 561-569.	3.2	28

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19	Comment on "Does replacing coal with wood lower CO <sub>2</sub> emissions? Dynamic lifecycle analysis of wood bioenergy". Environmental Research Letters, 2018, 13, 128002.	2.2	9
20	Techno-Economic Analysis and Life-Cycle Analysis of Two Light-Duty Bioblendstocks: Isobutanol and Aromatic-Rich Hydrocarbons. ACS Sustainable Chemistry and Engineering, 2018, 6, 8790-8800.	3.2	18
21	Challenges and Opportunities for the Mobilisation of Forest Bioenergy in the Boreal and Temperate Biomes. , 2016, , 190-213.		7
22	Environmental Sustainability Aspects of Forest Biomass Mobilisation. , 2016, , 50-67.		5
23	Policy institutions and forest carbon. Nature Climate Change, 2016, 6, 805-805.	8.1	1
24	Challenges and Opportunities for International Trade in Forest Biomass. , 2016, , 127-164.		5
25	Global solid biomass trade for energy by 2020: an assessment of potential import streams and supply costs to North-West Europe under different sustainability constraints. GCB Bioenergy, 2015, 7, 618-634.	2.5	71
26	Strategic supply system design " a holistic evaluation of operational and production cost for a biorefinery supply chain. Biofuels, Bioproducts and Biorefining, 2015, 9, 648-660.	1.9	69
27	Techno-economic analysis of decentralized biomass processing depots. Bioresource Technology, 2015, 194, 205-213.	4.8	138
28	Damaged forests provide an opportunity to mitigate climate change. GCB Bioenergy, 2014, 6, 44-60.	2.5	67
29	Developments in International Liquid Biofuel Trade. Lecture Notes in Energy, 2014, , 17-40.	0.2	8
30	Global Woody Biomass Trade for Energy. Lecture Notes in Energy, 2014, , 41-63.	0.2	8
31	Global biomass potentials under sustainability restrictions defined by the European Renewable Energy Directive 2009/28/EC. GCB Bioenergy, 2013, 5, 652-663.	2.5	31
32	Feedstock specific environmental risk levels related to biomass extraction for energy from boreal and temperate forests. Biomass and Bioenergy, 2013, 55, 212-226.	2.9	60
33	The "debt" is in the detail: A synthesis of recent temporal forest carbon analyses on woody biomass for energy. Biofuels, Bioproducts and Biorefining, 2013, 7, 373-385.	1.9	120
34	Developments in international solid biofuel trade "An analysis of volumes, policies, and market factors. Renewable and Sustainable Energy Reviews, 2012, 16, 3176-3199.	8.2	150
35	Policy, Financing and Implementation. , 2011, , 865-950.		23
36	International bioenergy trade "A review of past developments in the liquid biofuel market. Renewable and Sustainable Energy Reviews, 2011, 15, 2655-2676.	8.2	175

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37	Design options for cooperation mechanisms under the new European renewable energy directive. Energy Policy, 2010, 38, 4679-4691.	4.2	44
38	The emerging liquid biofuel market in Argentina: Implications for domestic demand and international trade. Energy Policy, 2008, 36, 1479-1490.	4.2	90
39	ALTERNATIVE ENERGY SOURCES IN TRANSITION COUNTRIES. THE CASE OF BIO-ENERGY IN UKRAINE. Environmental Engineering and Management Journal, 2007, 6, 3-11.	0.2	5
40	ALTERNATIVE ENERGY SOURCES IN TRANSITION COUNTRIES. THE CASE OF BIO-ENERGY IN THE UKRAINE. Environmental Engineering and Management Journal, 2006, 5, 471-486.	0.2	3