

# AndrÃ© F P Lucena

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8127273/publications.pdf>

Version: 2024-02-01

68  
papers

2,446  
citations

186254

28  
h-index

214788

47  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2781  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy sector vulnerability to climate change: A review. <i>Energy</i> , 2012, 38, 1-12.	8.8	423
2	The threat of political bargaining to climate mitigation in Brazil. <i>Nature Climate Change</i> , 2018, 8, 695-698.	18.8	178
3	The vulnerability of renewable energy to climate change in Brazil. <i>Energy Policy</i> , 2009, 37, 879-889.	8.8	157
4	Least-cost adaptation options for global climate change impacts on the Brazilian electric power system. <i>Global Environmental Change</i> , 2010, 20, 342-350.	7.8	86
5	The vulnerability of wind power to climate change in Brazil. <i>Renewable Energy</i> , 2010, 35, 904-912.	8.9	83
6	Contribution of Variable Renewable Energy to increase energy security in Latin America: Complementarity and climate change impacts on wind and solar resources. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 113, 109232.	16.4	76
7	Estimating impacts of warming temperatures on California's electricity system. <i>Global Environmental Change</i> , 2013, 23, 499-511.	7.8	73
8	Climate policy scenarios in Brazil: A multi-model comparison for energy. <i>Energy Economics</i> , 2016, 56, 564-574.	12.1	70
9	Building materials in a circular economy: The case of wood waste as CO <sub>2</sub> -sink in bio concrete. <i>Resources, Conservation and Recycling</i> , 2021, 166, 105346.	10.8	56
10	Will thermal power plants with CCS play a role in Brazil's future electric power generation?. <i>International Journal of Greenhouse Gas Control</i> , 2014, 24, 115-123.	4.6	52
11	Scenarios for the future Brazilian power sector based on a multi-criteria assessment. <i>Journal of Cleaner Production</i> , 2017, 167, 938-950.	9.3	48
12	Air-conditioning and the adaptation cooling deficit in emerging economies. <i>Nature Communications</i> , 2021, 12, 6460.	12.8	48
13	Interactions between climate change mitigation and adaptation: The case of hydropower in Brazil. <i>Energy</i> , 2018, 164, 1161-1177.	8.8	45
14	Forecasting Brazil's crude oil production using a multi-Hubbert model variant. <i>Fuel</i> , 2014, 115, 24-31.	6.4	44
15	A cross-country assessment of energy-related CO <sub>2</sub> emissions: An extended Kaya Index Decomposition Approach. <i>Energy</i> , 2016, 115, 1361-1374.	8.8	43
16	Overlooked impacts of electricity expansion optimisation modelling: The life cycle side of the story. <i>Energy</i> , 2016, 115, 1424-1435.	8.8	42
17	The implementation costs of forest conservation policies in Brazil. <i>Ecological Economics</i> , 2016, 130, 209-220.	5.7	40
18	Driving forces for aggregate energy consumption: A cross-country approach. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 1033-1050.	16.4	39

#	ARTICLE	IF	CITATIONS
19	Modelling concentrated solar power (CSP) in the Brazilian energy system: A soft-linked model coupling approach. <i>Energy</i> , 2016, 116, 265-280.	8.8	37
20	Stranded asset implications of the Paris Agreement in Latin America and the Caribbean. <i>Environmental Research Letters</i> , 2020, 15, 044026.	5.2	37
21	Brazil's emission trajectories in a well-below 2°C world: the role of disruptive technologies versus land-based mitigation in an already low-emission energy system. <i>Climatic Change</i> , 2020, 162, 1823-1842.	3.6	36
22	Energy technology roll-out for climate change mitigation: A multi-model study for Latin America. <i>Energy Economics</i> , 2016, 56, 526-542.	12.1	35
23	Long-term abatement potential and current policy trajectories in Latin American countries. <i>Energy Economics</i> , 2016, 56, 513-525.	12.1	35
24	The power of light: socio-economic and environmental implications of a rural electrification program in Brazil. <i>Environmental Research Letters</i> , 2017, 12, 095004.	5.2	34
25	Possible energy futures for Brazil and Latin America in conservative and stringent mitigation pathways up to 2050. <i>Technological Forecasting and Social Change</i> , 2015, 98, 186-210.	11.6	33
26	Energy-related climate change mitigation in Brazil: Potential, abatement costs and associated policies. <i>Energy Policy</i> , 2012, 49, 430-441.	8.8	30
27	Baseline projections for Latin America: base-year assumptions, key drivers and greenhouse emissions. <i>Energy Economics</i> , 2016, 56, 499-512.	12.1	30
28	Critical technologies for sustainable energy development in Brazil: technological foresight based on scenario modelling. <i>Journal of Cleaner Production</i> , 2016, 130, 12-24.	9.3	29
29	The Vulnerable Amazon: The Impact of Climate Change on the Untapped Potential of Hydropower Systems. <i>IEEE Power and Energy Magazine</i> , 2013, 11, 22-31.	1.6	27
30	Assessing the potential role of concentrated solar power (CSP) for the northeast power system of Brazil using a detailed power system model. <i>Energy</i> , 2017, 121, 695-715.	8.8	25
31	Optimization model for evaluating on-site renewable technologies with storage in zero/nearly zero energy buildings. <i>Energy and Buildings</i> , 2018, 172, 505-516.	6.7	24
32	Modeling Future Life-Cycle Greenhouse Gas Emissions and Environmental Impacts of Electricity Supplies in Brazil. <i>Energies</i> , 2013, 6, 3182-3208.	3.1	23
33	Impacts of a warmer world on space cooling demand in Brazilian households. <i>Energy and Buildings</i> , 2021, 234, 110696.	6.7	22
34	Time-varying impacts of demand and supply oil shocks on correlations between crude oil prices and stock markets indices. <i>Research in International Business and Finance</i> , 2017, 42, 1011-1020.	5.9	21
35	Fuel saving strategies in the Andes: Long-term impacts for Peru, Colombia and Ecuador. <i>Energy Strategy Reviews</i> , 2018, 20, 35-48.	7.3	20
36	Solar water heating technical-economic potential in the household sector in Brazil. <i>Renewable Energy</i> , 2020, 146, 1618-1639.	8.9	20

#	ARTICLE	IF	CITATIONS
37	Distributional effects of carbon pricing in Brazil under the Paris Agreement. <i>Energy Economics</i> , 2021, 101, 105396.	12.1	20
38	Modelling the natural gas dynamics in the Southern Cone of Latin America. <i>Applied Energy</i> , 2017, 201, 219-239.	10.1	19
39	Climate change: The necessary, the possible and the desirable Earth League climate statement on the implications for climate policy from the 5th <sc>IPCC</sc> Assessment. <i>Earth's Future</i> , 2014, 2, 606-611.	6.3	18
40	Can Bolivia keep its role as a major natural gas exporter in South America?. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 717-730.	4.4	18
41	Bridging the energy divide and securing higher collective well-being in a climate-constrained world. <i>Energy Policy</i> , 2017, 108, 435-450.	8.8	17
42	Are conventional energy megaprojects competitive? Suboptimal decisions related to cost overruns in Brazil. <i>Energy Policy</i> , 2018, 122, 689-700.	8.8	17
43	Constructive systems for social housing deployment in developing countries: A case study using dynamic life cycle carbon assessment and cost analysis in Brazil. <i>Energy and Buildings</i> , 2020, 227, 110395.	6.7	16
44	Analysis of energy security and sustainability in future low carbon scenarios for <sc>B</sc>razil. <i>Natural Resources Forum</i> , 2015, 39, 175-190.	3.6	15
45	Analysis of past and future oil production in Peru under a Hubbert approach. <i>Energy Policy</i> , 2015, 77, 140-151.	8.8	15
46	Do low-carbon investments in emerging economies pay off? Evidence from the Brazilian stock market. <i>International Review of Financial Analysis</i> , 2021, 74, 101700.	6.6	15
47	Price Adjustments and Transaction Costs in the European Natural Gas Market. <i>Energy Journal</i> , 2019, 40, 171-188.	1.7	14
48	Rising Temps, Tides, and Wildfires: Assessing the Risk to California's Energy Infrastructure from Projected Climate Change. <i>IEEE Power and Energy Magazine</i> , 2013, 11, 32-45.	1.6	13
49	Sustainable Insurance Assessment: Towards an Integrative Model. <i>Geneva Papers on Risk and Insurance: Issues and Practice</i> , 2018, 43, 275-299.	2.1	11
50	Impacts of Carbon Pricing on Brazilian Industry: Domestic Vulnerability and International Trade Exposure. <i>Sustainability</i> , 2018, 10, 2390.	3.2	11
51	Interactions between global climate change strategies and local air pollution: lessons learnt from the expansion of the power sector in Brazil. <i>Climatic Change</i> , 2018, 148, 293-309.	3.6	10
52	Would different methodologies for assessing carbon leakage exposure lead to different risk levels? A case study of the Brazilian industry. <i>Climate Policy</i> , 2019, 19, 1102-1116.	5.1	10
53	Greenhouse gas mitigation potential and abatement costs in the Brazilian residential sector. <i>Energy and Buildings</i> , 2019, 184, 19-33.	6.7	10
54	Promoting social development in developing countries through solar thermal power plants. <i>Journal of Cleaner Production</i> , 2020, 246, 119072.	9.3	10

#	ARTICLE	IF	CITATIONS
55	Blue sky mining: Strategy for a feasible transition in emerging countries from natural gas to hydrogen. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 25843-25859.	7.1	10
56	A multicriteria approach for measuring the carbon-risk of oil companies. <i>Energy Strategy Reviews</i> , 2012, 1, 122-129.	7.3	9
57	Green fiscal reform for a just energy transition in Latin America. <i>Economics</i> , 2019, 13, .	0.6	9
58	Climate change impact on the technical-economic potential for solar photovoltaic energy in the residential sector: a case study for Brazil. <i>Energy and Climate Change</i> , 2021, 2, 100062.	4.4	8
59	Diesel imports dependence in Brazil: A demand decomposition analysis. <i>Energy Strategy Reviews</i> , 2017, 18, 63-72.	7.3	7
60	Can global models provide insights into regional mitigation strategies? A diagnostic model comparison study of bioenergy in Brazil. <i>Climatic Change</i> , 2022, 170, 1.	3.6	7
61	Closing the energy divide in a climate-constrained world: A focus on the buildings sector. <i>Energy and Buildings</i> , 2019, 199, 264-274.	6.7	6
62	Brazilian ethanol expansion subject to limitations. <i>Nature Climate Change</i> , 2019, 9, 209-210.	18.8	3
63	Evaluating strategies for monetizing natural gas liquids from processing plants – Liquid fuels versus petrochemicals. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 99, 104413.	4.4	3
64	The role of CSP in Brazil: A multi-model analysis. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	2
65	Climate Change and the Energy Sector in Brazil. , 2019, , 143-179.		1
66	Regional Low-Emission Pathways from Global Models. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
67	REDD+: a carbon stock-flow analysis of the Brazilian Amazon municipalities. <i>Carbon Management</i> , 2014, 5, 557-572.	2.4	0
68	Energia. <i>Brasil Em Números</i> , 2019, 27, 279-297.	0.0	0