Andr F P Lucena

List of Publications by Year in Descending Order

67 papers	1,695 citations	23 h-index	39 g-index
69 ext. papers	2,045 ext. citations	7.4 avg, IF	4.83 L-index

#	Paper	IF	Citations
67	Evaluating strategies for monetizing natural gas liquids from processing plants Liquid fuels versus petrochemicals. *Journal of Natural Gas Science and Engineering*, **2022**, 99, 104413	4.6	0
66	Can global models provide insights into regional mitigation strategies? A diagnostic model comparison study of bioenergy in Brazil. *Climatic Change*, **2022**, 170, 1	4.5	0
65	Air-conditioning and the adaptation cooling deficit in emerging economies. *Nature Communications*, **2021**, 12, 6460	17.4	3
64	Climate change impact on the technical-economic potential for solar photovoltaic energy in the residential sector: a case study for Brazil. *Energy and Climate Change*, **2021**, 2, 100062	1.2	2
63	Do low-carbon investments in emerging economies pay off? Evidence from the Brazilian stock market. *International Review of Financial Analysis*, **2021**, 74, 101700	6.7	4
62	Building materials in a circular economy: The case of wood waste as CO2-sink in bio concrete. *Resources, Conservation and Recycling*, **2021**, 166, 105346	11.9	19
61	Impacts of a warmer world on space cooling demand in Brazilian households. *Energy and Buildings*, **2021**, 234, 110696	7	8
60	Blue sky mining: Strategy for a feasible transition in emerging countries from natural gas to hydrogen. *International Journal of Hydrogen Energy*, **2021**, 46, 25843-25859	6.7	1
59	Distributional effects of carbon pricing in Brazil under the Paris Agreement. *Energy Economics*, **2021**, 101, 105396	8.3	3
58	Brazil 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. *Climatic Change*, **2020**, 162, 1823-1842	4.5	20
57	Stranded asset implications of the Paris Agreement in Latin America and the Caribbean. *Environmental Research Letters*, **2020**, 15, 044026	6.2	22
56	Promoting social development in developing countries through solar thermal power plants. *Journal of Cleaner Production*, **2020**, 246, 119072	10.3	7
55	Constructive systems for social housing deployment in developing countries: A case study using dynamic life cycle carbon assessment and cost analysis in Brazil. *Energy and Buildings*, **2020**, 227, 110395	7	8
54	Solar water heating technical-economic potential in the household sector in Brazil. *Renewable Energy*, **2020**, 146, 1618-1639	8.1	14
53	Closing the energy divide in a climate-constrained world: A focus on the buildings sector. *Energy and Buildings*, **2019**, 199, 264-274	7	3
52	Green fiscal reform for a just energy transition in Latin America. *Economics*, **2019**, 13,	1.3	6
51	Brazilian ethanol expansion subject to limitations. *Nature Climate Change*, **2019**, 9, 209-210	21.4	3

50	Would different methodologies for assessing carbon leakage exposure lead to different risk levels? A case study of the Brazilian industry. *Climate Policy*, **2019**, 19, 1102-1116	5.3	4
49	Contribution of Variable Renewable Energy to increase energy security in Latin America: Complementarity and climate change impacts on wind and solar resources. *Renewable and Sustainable Energy Reviews*, **2019**, 113, 109232	16.2	43
48	Price Adjustments and Transaction Costs in the European Natural Gas Market. *Energy Journal*, **2019**, 40,	3.5	2
47	Greenhouse gas mitigation potential and abatement costs in the Brazilian residential sector. *Energy and Buildings*, **2019**, 184, 19-33	7	8
46	Climate Change and the Energy Sector in Brazil **2019**, 143-179		
45	Fuel saving strategies in the Andes: Long-term impacts for Peru, Colombia and Ecuador. *Energy Strategy Reviews*, **2018**, 20, 35-48	9.8	14
44	Interactions between global climate change strategies and local air pollution: lessons learnt from the expansion of the power sector in Brazil. *Climatic Change*, **2018**, 148, 293-309	4.5	2
43	The threat of political bargaining to climate mitigation in Brazil. *Nature Climate Change*, **2018**, 8, 695-698	21.4	112
42	Sustainable Insurance Assessment: Towards an Integrative Model. *Geneva Papers on Risk and Insurance: Issues and Practice*, **2018**, 43, 275-299	1.2	7
41	Impacts of Carbon Pricing on Brazilian Industry: Domestic Vulnerability and International Trade Exposure. *Sustainability*, **2018**, 10, 2390	3.6	9
40	Interactions between climate change mitigation and adaptation: The case of hydropower in Brazil. *Energy*, **2018**, 164, 1161-1177	7.9	25
39	Are conventional energy megaprojects competitive? Suboptimal decisions related to cost overruns in Brazil. *Energy Policy*, **2018**, 122, 689-700	7.2	11
38	Optimization model for evaluating on-site renewable technologies with storage in zero/nearly zero energy buildings. *Energy and Buildings*, **2018**, 172, 505-516	7	17
37	Assessing the potential role of concentrated solar power (CSP) for the northeast power system of Brazil using a detailed power system model. *Energy*, **2017**, 121, 695-715	7.9	20
36	Bridging the energy divide and securing higher collective well-being in a climate-constrained world. *Energy Policy*, **2017**, 108, 435-450	7.2	11
35	Modelling the natural gas dynamics in the Southern Cone of Latin America. *Applied Energy*, **2017**, 201, 219-239	10.7	15
34	Scenarios for the future Brazilian power sector based on a multi-criteria assessment. *Journal of Cleaner Production*, **2017**, 167, 938-950	10.3	40
33	Diesel imports dependence in Brazil: A demand decomposition analysis. *Energy Strategy Reviews*, **2017**, 18, 63-72	9.8	5

32	Time-varying impacts of demand and supply oil shocks on correlations between crude oil prices and stock markets indices. *Research in International Business and Finance*, **2017**, 42, 1011-1020	4.8	13
31	The power of light: socio-economic and environmental implications of a rural electrification program in Brazil. *Environmental Research Letters*, **2017**, 12, 095004	6.2	18
30	Driving forces for aggregate energy consumption: A cross-country approach. *Renewable and Sustainable Energy Reviews*, **2017**, 68, 1033-1050	16.2	31
29	Climate policy scenarios in Brazil: A multi-model comparison for energy. *Energy Economics*, **2016**, 56, 564-574	8.3	56
28	Energy technology roll-out for climate change mitigation: A multi-model study for Latin America. *Energy Economics*, **2016**, 56, 526-542	8.3	29
27	Overlooked impacts of electricity expansion optimisation modelling: The life cycle side of the story. *Energy*, **2016**, 115, 1424-1435	7.9	32
26	Baseline projections for Latin America: base-year assumptions, key drivers and greenhouse emissions. *Energy Economics*, **2016**, 56, 499-512	8.3	25
25	Critical technologies for sustainable energy development in Brazil: technological foresight based on scenario modelling. *Journal of Cleaner Production*, **2016**, 130, 12-24	10.3	25
24	Long-term abatement potential and current policy trajectories in Latin American countries. *Energy Economics*, **2016**, 56, 513-525	8.3	26
23	The role of CSP in Brazil: A multi-model analysis **2016**,		1
22	A cross-country assessment of energy-related CO 2 emissions: An extended Kaya Index Decomposition Approach. *Energy*, **2016**, 115, 1361-1374	7.9	34
21	Modelling concentrated solar power (CSP) in the Brazilian energy system: A soft-linked model coupling approach. *Energy*, **2016**, 116, 265-280	7.9	29
20	Can Bolivia keep its role as a major natural gas exporter in South America?. *Journal of Natural Gas Science and Engineering*, **2016**, 33, 717-730	4.6	13
19	The implementation costs of forest conservation policies in Brazil. *Ecological Economics*, **2016**, 130, 209-220	5.6	29
18	Analysis of past and future oil production in Peru under a Hubbert approach. *Energy Policy*, **2015**, 77, 140-151	7.2	12
17	Possible energy futures for Brazil and Latin America in conservative and stringent mitigation pathways up to 2050. *Technological Forecasting and Social Change*, **2015**, 98, 186-210	9.5	29
16	Analysis of energy security and sustainability in future low carbon scenarios for Brazil. *Natural Resources Forum*, **2015**, 39, 175-190	2.2	11
15	Will thermal power plants with CCS play a role in Brazil's future electric power generation?. *International Journal of Greenhouse Gas Control*, **2014**, 24, 115-123	4.2	42

14	Climate change: The necessary, the possible and the desirable Earth League climate statement on the implications for climate policy from the 5th IPCC Assessment. *Earth's Future*, **2014**, 2, 606-611	7.9	16
13	REDD+: a carbon stock-flow analysis of the Brazilian Amazon municipalities. *Carbon Management*, **2014**, 5, 557-572	3.3	
12	Forecasting Brazil's crude oil production using a multi-Hubbert model variant. *Fuel*, **2014**, 115, 24-31	7.1	39
11	Estimating impacts of warming temperatures on California's electricity system. *Global Environmental Change*, **2013**, 23, 499-511	10.1	55
10	The Vulnerable Amazon: The Impact of Climate Change on the Untapped Potential of Hydropower Systems. *IEEE Power and Energy Magazine*, **2013**, 11, 22-31	2.4	19
9	Rising Temps, Tides, and Wildfires: Assessing the Risk to California's Energy Infrastructure from Projected Climate Change. *IEEE Power and Energy Magazine*, **2013**, 11, 32-45	2.4	8
8	Modeling Future Life-Cycle Greenhouse Gas Emissions and Environmental Impacts of Electricity Supplies in Brazil. *Energies*, **2013**, 6, 3182-3208	3.1	22
7	Energy sector vulnerability to climate change: A review. *Energy*, **2012**, 38, 1-12	7.9	299
6	Energy-related climate change mitigation in Brazil: Potential, abatement costs and associated policies. *Energy Policy*, **2012**, 49, 430-441	7.2	28
5	A multicriteria approach for measuring the carbon-risk of oil companies. *Energy Strategy Reviews*, **2012**, 1, 122-129	9.8	6
4	Least-cost adaptation options for global climate change impacts on the Brazilian electric power system. *Global Environmental Change*, **2010**, 20, 342-350	10.1	75
3	The vulnerability of wind power to climate change in Brazil. *Renewable Energy*, **2010**, 35, 904-912	8.1	71
2	The vulnerability of renewable energy to climate change in Brazil. *Energy Policy*, **2009**, 37, 879-889	7.2	133
1	Regional Low-Emission Pathways from Global Models. *SSRN Electronic Journal*,	1	1