

L A Horta Nogueira, Luiz A H Nogueira

List of Publications by Year in descending order

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54
papers

990
citations

471509

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h-index

434195

31
g-index

60
all docs

60
docs citations

60
times ranked

1404
citing authors

#	ARTICLE	IF	CITATIONS
1	Life cycle assessment (LCA) for biofuels in Brazilian conditions: A meta-analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 37, 435-459.	16.4	117
2	Trends in global warming and human health impacts related to Brazilian sugarcane ethanol production considering black carbon emissions. <i>Applied Energy</i> , 2013, 104, 576-582.	10.1	85
3	Does biodiesel make sense?. <i>Energy</i> , 2011, 36, 3659-3666.	8.8	72
4	Land demand for ethanol production. <i>Applied Energy</i> , 2013, 102, 266-271.	10.1	58
5	Impact of mechanization and previous burning reduction on GHG emissions of sugarcane harvesting operations in Brazil. <i>Applied Energy</i> , 2013, 102, 220-228.	10.1	58
6	Bioenergy and African transformation. <i>Biotechnology for Biofuels</i> , 2015, 8, 18.	6.2	53
7	Economic, environmental, and social impacts of different sugarcane production systems. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 68-82.	3.7	53
8	Feedstocks for biodiesel production: Brazilian and global perspectives. <i>Biofuels</i> , 2018, 9, 455-478.	2.4	51
9	Biofuels in Brazil: Evolution, achievements and perspectives on food security. <i>Global Food Security</i> , 2013, 2, 117-125.	8.1	49
10	Land Use and Management Effects on Sustainable Sugarcane-Derived Bioenergy. <i>Land</i> , 2021, 10, 72.	2.9	43
11	A regional approach to determine economic, environmental and social impacts of different sugarcane production systems in Brazil. <i>Biomass and Bioenergy</i> , 2019, 120, 9-20.	5.7	32
12	Evaluation of the energy impacts of the Energy Efficiency Law in Brazil. <i>Energy for Sustainable Development</i> , 2015, 24, 58-69.	4.5	31
13	An assessment of CO2 emissions avoided by energy-efficiency programs: A general methodology and a case study in Brazil. <i>Energy</i> , 2018, 142, 702-715.	8.8	31
14	The rationality of biofuels. <i>Energy Policy</i> , 2013, 61, 595-598.	8.8	28
15	The impact on electricity demand and emissions due to the introduction of electric cars in the SÃ£o Paulo Power System. <i>Energy Policy</i> , 2014, 65, 298-304.	8.8	26
16	Economic feasibility for acquisition of efficient refrigerators in Brazil. <i>Applied Energy</i> , 2010, 87, 28-37.	10.1	19
17	Perspectives for Sustainable Aviation Biofuels in Brazil. <i>International Journal of Aerospace Engineering</i> , 2015, 2015, 1-12.	0.9	19
18	Biofuels for Transport. , 2020, , 173-197.		19

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19	Assessment of the achieved savings from induction motors energy efficiency labeling in Brazil. Energy Conversion and Management, 2013, 75, 734-740.	9.2	17
20	Sugarcane can afford a cleaner energy profile in Latin America & Caribbean. Renewable Energy, 2018, 121, 164-172.	8.9	17
21	Energy, economic, and environmental assessment of the integrated production of palm oil biodiesel and sugarcane ethanol. Journal of Cleaner Production, 2021, 311, 127638.	9.3	17
22	Biodiesel program in Brazil: learning curve over ten years (2005-2015). Biofuels, Bioproducts and Biorefining, 2016, 10, 728-737.	3.7	14
23	An assessment of energy benefits of efficient household air-conditioners in Brazil. Energy Efficiency, 2012, 5, 433-446.	2.8	11
24	Heat transfer coefficients for drying in pulsating flows. International Communications in Heat and Mass Transfer, 1998, 25, 471-480.	5.6	10
25	Sustainable and Integrated Bioenergy Assessment for Latin America, Caribbean and Africa (SIByL-LACAf): The path from feasibility to acceptability. Renewable and Sustainable Energy Reviews, 2017, 76, 292-308.	16.4	9
26	Uso racional: a fonte energética oculta. Estudos Avancados, 2007, 21, 91-105.	0.5	8
27	Potential of Sugarcane in Modern Energy Development in Southern Africa. Frontiers in Energy Research, 2016, 4, .	2.3	8
28	Estudo energético do esterco bovino: seu valor de substituição e impacto da biodigestão anaeróbia. Revista Agrogeoambiental, 2012, 4, .	0.0	6
29	Sugarcane: a way out of energy poverty. Biofuels, Bioproducts and Biorefining, 2016, 10, 393-408.	3.7	5
30	Relevance of LACAf biofuels for global sustainability. Biofuels, 2022, 13, 279-289.	2.4	5
31	Operation Analysis and Thermo-economic Evaluation of a Cogeneration Power Plant Operating as a Self-Generator in the Ecuadorian Electrical Market and Sugar Industry. Journal of Energy Resources Technology, Transactions of the ASME, 2012, 134, .	2.3	4
32	An assessment of energy efficient motors application by scenarios evaluation. Energy Policy, 2020, 140, 111402.	8.8	4
33	Roadmap for sustainable aviation biofuels for Brazil - A Flightpath to Aviation Biofuels in Brazil. , 0, , .		4
34	Electric vehicles impacts on daily load curves and environment. , 0, , .		2
35	Optimal scheduling of the sugar cane harvest aiming to maximize the cogeneration by using the dynamic programming. , 0, , .		1
36	Biomass Gasification for Ethanol Production. , 2011, , 27-41.		1

#	ARTICLE	IF	CITATIONS
37	Ethanol from Sugarcane in Brazil. , 2015, , 237-246.		1
38	Evaluation of the Efficiency Energy of Wood Stove from Irati Brazilian City. International Journal of Agriculture and Forestry (Print), 2013, 3, 267-272.	1.0	1
39	Repowering: An Option for Refurbishment of Old Thermal Power Plants in Latin-American Countries. , 2010, , .		0
40	ANALYSIS OF IDENTIFIED PATHWAYS. , 0, , 201-206.		0
41	TECHNOLOGY DRIVERS. , 0, , 115-126.		0
42	CURRENT SCIENTIFIC AND TECHNOLOGICAL CAPABILITIES. , 0, , 127-130.		0
43	LARGE TECHNOLOGICAL AREAS. , 0, , 103-114.		0
44	SUGARCANE ETHANOL AND THE LATIN AMERICAN ENERGY INTEGRATION. , 0, , 133-140.		0
45	INSTITUTIONAL ISSUES ON AVIATION BIOFUELS. , 0, , 213-216.		0
46	CURRENT INDUSTRY: PRODUCTS, PROCESSES, SUPPLIERS AND CUSTOMERS. , 0, , 37-49.		0
47	GOALS AND DESIRES TO THE NEW AVIATION INDUSTRY. , 0, , 29-36.		0
48	GAPS AND BARRIERS. , 0, , 131-180.		0
49	DESIRED PRODUCTS, TECHNOLOGIES OR PROCESSES. , 0, , 53-98.		0
50	CRITICAL SYSTEM REQUIREMENTS. , 0, , 99-102.		0
51	TECHNOLOGY ALTERNATIVES. , 0, , 183-200.		0
52	R&D PROGRAMS AND COMMERCIALIZATION GAPS. , 0, , 217-218.		0
53	Avalia�o da efici�ncia energ�tica na ilumina�o p�blica: proposta de modelagem considerando a variabilidade clim�tica. Revista Produ�o Online, 2015, 15, 1399.	0.2	0
54	Avalia�o energ�tica de um fog�o operando a etanol de cana-de-a�car. , 0, , .		0