

Josã© Luz Silveira

List of Publications by Year in descending order

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67
papers

1,683
citations

257450

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h-index

289244

40
g-index

70
all docs

70
docs citations

70
times ranked

1728
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoeconomic analysis method for optimization of combined heat and power systems. Part I. Progress in Energy and Combustion Science, 2003, 29, 479-485.	31.2	163
2	Experimental performance of a direct evaporative cooler operating during summer in a Brazilian city. International Journal of Refrigeration, 2005, 28, 1124-1132.	3.4	129
3	Hydrogen production by biogas steam reforming: A technical, economic and ecological analysis. Renewable and Sustainable Energy Reviews, 2013, 28, 166-173.	16.4	129
4	Biodiesel CO2 emissions: A comparison with the main fuels in the Brazilian market. Fuel Processing Technology, 2009, 90, 204-211.	7.2	98
5	Robust multi-objective optimization of a renewable based hybrid power system. Applied Energy, 2018, 223, 52-68.	10.1	79
6	Analysis of a molten carbonate fuel cell: cogeneration to produce electricity and cold water. Energy, 2001, 26, 891-904.	8.8	68
7	Determination of ecological efficiency in internal combustion engines: The use of biodiesel. Applied Thermal Engineering, 2009, 29, 1887-1892.	6.0	58
8	The need of subsidy for the implementation of photovoltaic solar energy as supporting of decentralized electrical power generation in Brazil. Renewable and Sustainable Energy Reviews, 2013, 20, 133-141.	16.4	58
9	Electricity, hot water and cold water production from biomass. Energetic and economical analysis of the compact system of cogeneration run with woodgas from a small downdraft gasifier. Renewable Energy, 2011, 36, 1861-1868.	8.9	55
10	The benefits of ethanol use for hydrogen production in urban transportation. Renewable and Sustainable Energy Reviews, 2009, 13, 2525-2534.	16.4	53
11	Tar reduction in downdraft biomass gasifier using a primary method. Renewable Energy, 2015, 78, 478-483.	8.9	48
12	Ecological efficiency and thermoeconomic analysis of a cogeneration system at a hospital. Renewable and Sustainable Energy Reviews, 2012, 16, 2894-2906.	16.4	46
13	Ecological efficiency in thermoelectric power plants. Applied Thermal Engineering, 2007, 27, 840-847.	6.0	45
14	Thermoeconomic analysis of an evaporative desiccant air conditioning system. Applied Thermal Engineering, 2003, 23, 1537-1549.	6.0	44
15	Thermoeconomic analysis method for optimization of combined heat and power systems – part II. Progress in Energy and Combustion Science, 2004, 30, 673-678.	31.2	44
16	Ecological impacts from syngas burning in internal combustion engine: Technical and economic aspects. Renewable and Sustainable Energy Reviews, 2011, 15, 5194-5201.	16.4	38
17	Ecological efficiency in CHP: Biodiesel case. Applied Thermal Engineering, 2010, 30, 458-463.	6.0	37
18	Comparative 2D and 3D analysis on the hydrodynamics behaviour during biomass gasification in a pilot-scale fluidized bed reactor. Renewable Energy, 2019, 131, 713-729.	8.9	36

#	ARTICLE	IF	CITATIONS
19	Biomass gasification for combined heat and power generation in the Cuban context: Energetic and economic analysis. <i>Applied Thermal Engineering</i> , 2015, 90, 1-12.	6.0	34
20	A PSO-BPSO Technique for Hybrid Power Generation System Sizing. <i>IEEE Latin America Transactions</i> , 2020, 18, 1362-1370.	1.6	33
21	Combined cycle versus one thousand diesel power plants: pollutant emissions, ecological efficiency and economic analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2007, 11, 524-535.	16.4	32
22	Hydrogen production utilizing glycerol from renewable feedstocks—The case of Brazil. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1835-1850.	16.4	30
23	A review of waste management in Brazil and Portugal: Waste-to-energy as pathway for sustainable development. <i>Renewable Energy</i> , 2021, 178, 802-820.	8.9	30
24	Comparative analysis between a PEM fuel cell and an internal combustion engine driving an electricity generator: Technical, economical and ecological aspects. <i>Applied Thermal Engineering</i> , 2014, 63, 354-361.	6.0	26
25	Study of fuel cell co-generation systems applied to a dairy industry. <i>Journal of Power Sources</i> , 2002, 106, 102-108.	7.8	24
26	Thermoeconomic analysis applied in cold water production system using biogas combustion. <i>Applied Thermal Engineering</i> , 2005, 25, 1141-1152.	6.0	24
27	A conceptual review of sustainable electrical power generation from biogas. <i>Energy Science and Engineering</i> , 2022, 10, 630-655.	4.0	24
28	Incorporation of hydrogen production process in a sugar cane industry: Steam reforming of ethanol. <i>Applied Thermal Engineering</i> , 2014, 71, 94-103.	6.0	23
29	Techno-Economic Assessment of the Use of Syngas Generated from Biomass to Feed an Internal Combustion Engine. <i>Energies</i> , 2020, 13, 3097.	3.1	20
30	Prediction of the minimum fluidization velocity of particles of sugarcane bagasse. <i>Biomass and Bioenergy</i> , 2018, 109, 249-256.	5.7	18
31	Economic assessment of hydrogen and electricity cogeneration through steam reforming-SOFC system in the Brazilian biodiesel industry. <i>Journal of Cleaner Production</i> , 2021, 279, 123814.	9.3	18
32	Energetic, ecologic and fluid-dynamic analysis of a fluidized bed gasifier operating with sugar cane bagasse. <i>Applied Thermal Engineering</i> , 2013, 57, 116-124.	6.0	16
33	A contribution for thermoeconomic modelling: A methodology proposal. <i>Applied Thermal Engineering</i> , 2010, 30, 1734-1740.	6.0	14
34	Exergoenvironmental assessment of hydrogen water footprint via steam reforming in Brazil. <i>Journal of Cleaner Production</i> , 2021, 311, 127577.	9.3	13
35	Development of a thermoeconomic methodology for optimizing biodiesel production. Part II: Manufacture exergetic cost and biodiesel production cost incorporating carbon credits, a Brazilian case study. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 29, 565-572.	16.4	10
36	Feasibility of Electric Vehicle: Electricity by Grid — Photovoltaic Energy. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 1077-1084.	16.4	9

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37	Geometrical characteristics of sugarcane bagasse for being used as fuel in fluidized bed technologies. Renewable Energy, 2019, 143, 1210-1224.	8.9	9
38	Thermoeconomic analysis applied to an alternative wastewater treatment. Renewable Energy, 2010, 35, 2288-2296.	8.9	7
39	Thermodynamic and economic analysis of hydrogen production integration in the Brazilian sugar and alcohol industry. Renewable and Sustainable Energy Reviews, 2014, 30, 869-876.	16.4	6
40	Thermoeconomic analysis of hydrogen incorporation in a biodiesel plant. Applied Thermal Engineering, 2017, 113, 519-528.	6.0	6
41	Analysis of aluminum plates under heating in electrical and natural gas furnaces. Energy, 2000, 25, 975-987.	8.8	5
42	Thermodynamic Analysis of Direct Steam Reforming of Ethanol in Molten Carbonate Fuel Cell. Journal of Fuel Cell Science and Technology, 2008, 5, .	0.8	5
43	Energy Recovery via Thermal Gasification from Waste Insulation Electrical Cables (WIEC). Applied Sciences (Switzerland), 2020, 10, 8253.	2.5	5
44	Technical and economic aspects of coke gasification in the petroleum refining industry. Fuel, 2022, 323, 124225.	6.4	4
45	Energy, exergy and environmental analyses of hydrogen production process by ethanol steam reforming incorporated to sugar and alcohol mill. International Journal of Exergy, 2018, 26, 263.	0.4	2
46	Internal Combustion Engine Fueled with Biogas: Energetic, Economic and Environmental Analyses. IEEE Latin America Transactions, 2019, 17, 1873-1878.	1.6	2
47	Technological Advancements in Biohydrogen Production and Bagasse Gasification Process in the Sugarcane Industry with Regard to Brazilian Conditions. , 2014, , 393-411.		1
48	Biohydrogen production and bagasse gasification process in the sugarcane industry. , 2019, , 89-126.		1
49	Effect of the Incorporation of Biomass in the Carbonization of Waste Electrical and Electronic Equipment. Proceedings (mdpi), 2020, 52, 4.	0.2	1
50	Estudio t�cnico del uso de energ�a solar y biog�s en veh�culos el�ctricos en Ilhabela-Brasil. Ingenius: Revista De Ciencia Y Tecnolog�a, 2018, , 58-69.	0.1	1
51	TECHNICAL, ECONOMICAL AND ENVIRONMENTAL ANALYSIS OF WIND - SOLAR PHOTOVOLTAIC HYBRID SYSTEM FOR A SMALL COMMUNITY IN FORTALEZA. , 0, , .		1
52	Rational Use of Residential Digesters for Sewage Treatment with Carbon Credits. Advanced Materials Research, 0, 608-609, 286-297.	0.3	0
53	Dynamic analysis of an ethanol steam reformer for hydrogen production. , 2017, , .		0
54	SOLAR 1.1 software: a case study of a chicken farm illumination project. Exacta, 2012, 10, .	0.5	0

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55	Development of a burner to measure biogas generation. WIT Transactions on Ecology and the Environment, 2012, , .	0.0	0
56	GENERATION OF ELECTRICITY FOR ISOLATED COMMUNITIES USING RENEWABLE ENERGY SOURCES IN THE CUBAN CONTEXT. , 0, , .		0
57	TECHNICAL ANALYSIS OF BAGASSE GASIFICATION AND COMBINED CYCLE USE IN THE SUGAR INDUSTRY. INCREASE ELECTRICAL SUPPLY.. , 0, , .		0
58	TECHNICAL AND ECONOMIC ANALYSIS OF THE BAGASSE GASIFICATION PROCESS APPLIED IN SUGARCANE INDUSTRY. , 0, , .		0
59	ECOLOGICAL EFFICIENCY ANALYSIS OF A COMBINED CYCLE POWER PLANT CONSIDERING THE CHEMICAL CAPTURE OF CO2. , 0, , .		0
60	COGENERATION WITH INTERNAL COMBUSTION ENGINE AND ABSORPTION REFRIGERATION SYSTEM (ARS) OPERATING WITH NATURAL GAS: TECHNICAL, ECONOMICAL AND ENVIRONMENTAL ISSUES. , 0, , .		0
61	CLEAN PRODUCER GAS BY THE APPLICATION OF PRIMARY METHOD FOR TAR ELIMINATION IN DOWNDRAFT BIOMASS GASIFIER. , 0, , .		0
62	nergetic and economic efficiency analysis of a hydraulical potencial using different types of turbines. , 0, , .		0
63	RESULTADOS DA APLICAÃ§Ã£o DA METODOLOGIA DE PIRÃ, MIDE DE EFICIÃŠNCIA ENERGÃ%TICA EM UM LATICÃNIO. , 0, , .		0
64	COMPORTAMENTO FLUIDODINÃ,MICO DE PARTICULAS DE BAGAÃ¸ DE CANA-DE-AÃ¸CAR. , 0, , .		0
65	Thermoeconomic analysis of an internal combustion engine cogeneration system using syngas of a downdraft gasifier.. , 0, , .		0
66	Sustainability Assessment of Hydrogen Production Techniques in Brazil: A Multi-criteria Analysis. Green Energy and Technology, 2017, , 139-173.	0.6	0
67	Municipal Solid Waste as a valuable recycled asset for small-scale electricity production in rural communities. WEENTECH Proceedings in Energy, 0, , 92-106.	0.0	0