

Ivan Santos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5828155/publications.pdf>

Version: 2024-02-01

54
papers

1,173
citations

394421

19
h-index

414414

32
g-index

54
all docs

54
docs citations

54
times ranked

1072
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy and economic analysis for a desalination plant powered by municipal solid waste incineration and natural gas in Brazil. <i>Environment, Development and Sustainability</i> , 2022, 24, 1799-1826.	5.0	5
2	A review of Brazilian agro-industrial pig farming systems: environmental impacts and applied anaerobic digestion processes with mineral additives. <i>Research, Society and Development</i> , 2022, 11, e6811121720.	0.1	1
3	Lab-scale and economic analysis of biogas production from swine manure. <i>Renewable Energy</i> , 2022, 186, 350-365.	8.9	9
4	Gera��o de energia usando biog�s de aterros sanit�rios no Brasil: um estudo de potencial energ�tico e viabilidade econ�mica em fun�o da popula�o. <i>Engenharia Sanitaria E Ambiental</i> , 2022, 27, 67-77.	0.5	2
5	Study of the Potential for Energy Use of Biogas From a Wastewater Treatment Plant To a Medium-Sized City: A Technical, Economic and Environmental Analysis. <i>Waste and Biomass Valorization</i> , 2022, 13, 3509-3521.	3.4	5
6	Energy and economic evaluation of MSW incineration and gasification in Brazil. <i>Renewable Energy</i> , 2022, 188, 933-944.	8.9	18
7	Mapping and energy analysis of Brazilian bioenergy power potential for three agricultural biomass byproducts. <i>Journal of Cleaner Production</i> , 2022, 349, 131466.	9.3	8
8	Technical and economic evaluation of using biomethane from sanitary landfills for supplying vehicles in the Southeastern region of Brazil. <i>Renewable Energy</i> , 2022, 196, 1142-1157.	8.9	10
9	A literature review on wake dissipation length of hydrokinetic turbines as a guide for turbine array configuration. <i>Ocean Engineering</i> , 2022, 259, 111863.	4.3	14
10	Analysis of the economic viability of the use of biogas produced in wastewater treatment plants to generate electrical energy. <i>Environment, Development and Sustainability</i> , 2021, 23, 2614-2629.	5.0	32
11	Energy and Economic Evaluation of the Production of Biogas from Anaerobic and Aerobic Sludge in Brazil. <i>Waste and Biomass Valorization</i> , 2021, 12, 947-969.	3.4	13
12	Optimum hydropower potential study on nine Brazilian drainage basins using a numerical algorithm. <i>Environment, Development and Sustainability</i> , 2021, 23, 1729-1758.	5.0	2
13	Assessment of electricity generation from biogas in Benin from energy and economic viability perspectives. <i>Renewable Energy</i> , 2021, 163, 613-624.	8.9	32
14	Rice husk energy production in Brazil: An economic and energy extensive analysis. <i>Journal of Cleaner Production</i> , 2021, 290, 125188.	9.3	26
15	Addition of iron ore tailings to increase the efficiency of anaerobic digestion of pig manure: A technical and economic analysis. <i>Biomass and Bioenergy</i> , 2021, 148, 106013.	5.7	9
16	Municipal solid waste management and economic feasibility for electricity generation from landfill gas and anaerobic reactors in a Brazilian state. <i>Environmental Technology and Innovation</i> , 2021, 22, 101453.	6.1	15
17	Study of the wake characteristics and turbines configuration of a hydrokinetic farm in an Amazonian river using experimental data and CFD tools. <i>Journal of Cleaner Production</i> , 2021, 299, 126881.	9.3	10
18	Life cycle assessment of upflow anaerobic sludge blanket sludge management and activated sludge systems aiming energy use in the municipality of Itajub�, Minas Gerais, Brazil. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1810-1830.	3.0	4

#	ARTICLE	IF	CITATIONS
19	Treatment of wastewater from the dairy industry with Moringa Oleifera using two different methods. Research, Society and Development, 2021, 10, e21710716514.	0.1	1
20	Economic feasibility study of ocean wave electricity generation in Brazil. Renewable Energy, 2021, 178, 1279-1290.	8.9	13
21	Electric energy generation from biogas derived from municipal solid waste using two systems: landfills and anaerobic digesters in the states of São Paulo and Minas Gerais, Brazil. Sustainable Energy Technologies and Assessments, 2021, 48, 101552.	2.7	7
22	Potential for Generation of Electrical Energy from Biogas Produced in the Anaerobic Treatment of Sewage Through Different Methodologies. Journal of Solid Waste Technology and Management, 2021, 47, 579-589.	0.2	0
23	Clarification of high-turbidity waters: a comparison of Moringa oleifera and virgin and recovered aluminum sulfate-based coagulants. Environment, Development and Sustainability, 2020, 22, 4551-4562.	5.0	9
24	Energetic use of biogas from the anaerobic digestion of coffee wastewater in southern Minas Gerais, Brazil. Renewable Energy, 2020, 146, 2084-2094.	8.9	23
25	Incineration of municipal solid waste in Brazil: An analysis of the economically viable energy potential. Renewable Energy, 2020, 149, 1386-1394.	8.9	72
26	Vinasse biogas energy and economic analysis in the state of São Paulo, Brazil. Journal of Cleaner Production, 2020, 260, 121018.	9.3	17
27	Avaliação da eficiência do tratamento de águas cinzas utilizando sementes de Moringa oleifera sob diferentes metodologias de ensaio. Research, Society and Development, 2020, 9, e8879118136.	0.1	0
28	Estudo preliminar da biodigestão de esterco bovino com soro de leite em sistema de digestão em duplo estágio com purificação de biogás. Research, Society and Development, 2020, 9, e646985911.	0.1	0
29	Energy potential using landfill biogas and solar photovoltaic system: a case study in Brazil. Journal of Material Cycles and Waste Management, 2019, 21, 1587-1601.	3.0	7
30	Energy potential and economic analysis of hydrokinetic turbines implementation in rivers: An approach using numerical predictions (CFD) and experimental data. Renewable Energy, 2019, 143, 648-662.	8.9	31
31	Study on waste foundry exhaust sand, WFES, as a partial substitute of fine aggregates in conventional concrete. Sustainable Cities and Society, 2019, 45, 187-196.	10.4	41
32	Generating electrical energy through urban solid waste in Brazil: An economic and energy comparative analysis. Journal of Environmental Management, 2019, 231, 198-206.	7.8	70
33	Assessment of potential biogas production from multiple organic wastes in Brazil: Impact on energy generation, use, and emissions abatement. Resources, Conservation and Recycling, 2018, 131, 54-63.	10.8	103
34	GHG avoided emissions and economic analysis by power generation potential in posture aviaries in Brazil. Renewable Energy, 2018, 120, 524-535.	8.9	10
35	Economic study on LFG energy projects in function of the number of generators. Sustainable Cities and Society, 2018, 41, 587-600.	10.4	17
36	A potential of the biogas generating and energy recovering from municipal solid waste. Renewable Energy Focus, 2018, 25, 4-16.	4.5	22

#	ARTICLE	IF	CITATIONS
37	Waste management studies in a Brazilian microregion: GHG emissions balance and LFG energy project economic feasibility analysis. <i>Energy Strategy Reviews</i> , 2018, 19, 31-43.	7.3	36
38	DIMENSIONAMENTO DE UM REATOR UASB PARA TRATAMENTO DE EFLUENTES DOMESTICOS E RECUPERAÇÃO DO BIOGÁS PARA PRODUÇÃO ENERGÉTICA: UM ESTUDO DE CASO EM POUISO ALEGRE (MG). <i>Revista Brasileira De Energias Renováveis</i> , 2018, 7, .	0.1	2
39	Analysis of biogas produced by the anaerobic digestion of sludge generated at wastewater treatment plants in the South of Minas Gerais, Brazil as a potential energy source. <i>Sustainable Cities and Society</i> , 2018, 41, 139-153.	10.4	27
40	Combined use of biogas from sanitary landfill and wastewater treatment plants for distributed energy generation in Brazil. <i>Resources, Conservation and Recycling</i> , 2018, 136, 376-388.	10.8	29
41	Evaluation of greenhouse gas emissions avoided by wind generation in the Brazilian energetic matrix: A retroactive analysis and future potential. <i>Resources, Conservation and Recycling</i> , 2018, 137, 270-280.	10.8	12
42	Reverse osmosis desalination plants in Brazil: A cost analysis using three different energy sources. <i>Sustainable Cities and Society</i> , 2018, 43, 134-143.	10.4	21
43	Use of floating PV plants for coordinated operation with hydropower plants: Case study of the hydroelectric plants of the São Francisco River basin. <i>Energy Conversion and Management</i> , 2018, 171, 339-349.	9.2	84
44	Methodology for the determination of optimum power of a Thermal Power Plant (TPP) by biogas from sanitary landfill. <i>Waste Management</i> , 2017, 65, 75-91.	7.4	31
45	Cost estimate of small hydroelectric power plants based on the aspect factor. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 229-238.	16.4	30
46	Vinasse biogas for energy generation in Brazil: An assessment of economic feasibility, energy potential and avoided CO2 emissions. <i>Journal of Cleaner Production</i> , 2017, 151, 260-271.	9.3	84
47	The limit of sequential exploitation of a river's hydraulic potential. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 272-285.	16.4	5
48	Electricity generation from biogas of anaerobic wastewater treatment plants in Brazil: an assessment of feasibility and potential. <i>Journal of Cleaner Production</i> , 2016, 126, 504-514.	9.3	103
49	Economic and CO2 avoided emissions analysis of WWTP biogas recovery and its use in a small power plant in Brazil. <i>Sustainable Energy Technologies and Assessments</i> , 2016, 17, 77-84.	2.7	12
50	Power generation potential in posture aviaries in Brazil in the context of a circular economy. <i>Sustainable Energy Technologies and Assessments</i> , 2016, 18, 153-163.	2.7	26
51	Study of the energy balance and environmental liabilities associated with the manufacture of crystalline Si photovoltaic modules and deployment in different regions. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 383-394.	6.2	10
52	Simple modelling for maximum flow rates determination to be applied in economically feasible small hydropower plants. <i>American Journal of Hydropower Water and Environment Systems</i> , 2016, 3, 11-13.	0.1	1
53	SENSIBILITY ANALYSIS OF ECONOMICALLY OPTIMUM SCENARIOS OF A SMALL HYDROPOWER (SHP) IMPLEMENTATION PROJECT IN BRAZIL. <i>PCH Notícias & SHP News</i> , 2016, 68, 09-14.	0.0	1
54	OPTIMIZATION AND FINANCIAL RISK ANALYSIS OF SMALL HYDRO POWER (SHPS) DIMENSIONING, CONSIDERING THE CDM BENEFITS. <i>American Journal of Hydropower Water and Environment Systems</i> , 0, 2, 38-43.	0.1	1