

Regina Mambeli Barros

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,320
citations

361413

20
h-index

377865

34
g-index

78
all docs

78
docs citations

78
times ranked

1217
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Assessment of potential biogas production from multiple organic wastes in Brazil: Impact on energy generation, use, and emissions abatement. <i>Resources, Conservation and Recycling</i> , 2018, 131, 54-63.	10.8	103
3	The electric energy potential of landfill biogas in Brazil. <i>Energy Policy</i> , 2014, 65, 150-164.	8.8	84
4	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
5	Use of floating PV plants for coordinated operation with hydropower plants: Case study of the hydroelectric plants of the SÃ£o Francisco River basin. <i>Energy Conversion and Management</i> , 2018, 171, 339-349.	9.2	84
6	Incineration of municipal solid waste in Brazil: An analysis of the economically viable energy potential. <i>Renewable Energy</i> , 2020, 149, 1386-1394.	8.9	72
7	Generating electrical energy through urban solid waste in Brazil: An economic and energy comparative analysis. <i>Journal of Environmental Management</i> , 2019, 231, 198-206.	7.8	70
8	Study on waste foundry exhaust sand, WFES, as a partial substitute of fine aggregates in conventional concrete. <i>Sustainable Cities and Society</i> , 2019, 45, 187-196.	10.4	41
9	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
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	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
12	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
13	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
14	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
15	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
16	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
17	Rice husk energy production in Brazil: An economic and energy extensive analysis. <i>Journal of Cleaner Production</i> , 2021, 290, 125188.	9.3	26
18	Energetic use of biogas from the anaerobic digestion of coffee wastewater in southern Minas Gerais, Brazil. <i>Renewable Energy</i> , 2020, 146, 2084-2094.	8.9	23

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19	A potential of the biogas generating and energy recovering from municipal solid waste. <i>Renewable Energy Focus</i> , 2018, 25, 4-16.	4.5	22
20	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
21	Small hydropower and carbon credits revenue for an SHP project in national isolated and interconnected systems in Brazil. <i>Renewable Energy</i> , 2012, 48, 27-34.	8.9	20
22	Feasibility of biogas and energy generation from poultry manure in Brazil. <i>Waste Management and Research</i> , 2018, 36, 221-235.	3.9	18
23	Energy and economic evaluation of MSW incineration and gasification in Brazil. <i>Renewable Energy</i> , 2022, 188, 933-944.	8.9	18
24	Design and implementation study of a Permanent Selective Collection Program (PSCP) on a University campus in Brazil. <i>Resources, Conservation and Recycling</i> , 2013, 80, 97-106.	10.8	17
25	Economic study on LFG energy projects in function of the number of generators. <i>Sustainable Cities and Society</i> , 2018, 41, 587-600.	10.4	17
26	Vinasse biogas energy and economic analysis in the state of São Paulo, Brazil. <i>Journal of Cleaner Production</i> , 2020, 260, 121018.	9.3	17
27	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
28	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
29	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
30	Economic feasibility study of ocean wave electricity generation in Brazil. <i>Renewable Energy</i> , 2021, 178, 1279-1290.	8.9	13
31	Economic and CO ₂ 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
32	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
33	Durability indicators of high-strength self-compacting concrete with marble and granite wastes and waste foundry exhaust sand using electrochemical tests. <i>Construction and Building Materials</i> , 2022, 317, 125907.	7.2	11
34	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
35	CHG avoided emissions and economic analysis by power generation potential in pasture aviaries in Brazil. <i>Renewable Energy</i> , 2018, 120, 524-535.	8.9	10
36	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

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37	Analysis of Brazilian SHP policy and its regulation scenario. <i>Energy Policy</i> , 2011, 39, 6689-6697.	8.8	9
38	Clarification of high-turbidity waters: a comparison of <i>Moringa oleifera</i> and virgin and recovered aluminum sulfate-based coagulants. <i>Environment, Development and Sustainability</i> , 2020, 22, 4551-4562.	5.0	9
39	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
40	Lab-scale and economic analysis of biogas production from swine manure. <i>Renewable Energy</i> , 2022, 186, 350-365.	8.9	9
41	Analysis of viable biogas production from anaerobic digestion of swine manure with the magnetite powder addition. <i>Environmental Technology and Innovation</i> , 2022, 25, 102207.	6.1	8
42	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
43	Energy potential using landfill biogas and solar photovoltaic system: a case study in Brazil. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 1587-1601.	3.0	7
44	Physical and Chemical Properties of Waste Foundry Exhaust Sand for Use in Self-Compacting Concrete. <i>Materials</i> , 2021, 14, 5629.	2.9	7
45	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. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101552.	2.7	7
46	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
47	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
48	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
49	Trends in the growth of installed capacity of Small Hydro Power (SHP) in Brazil, based on Gross Domestic Product (GDP). <i>Renewable Energy</i> , 2012, 37, 403-411.	8.9	4
50	Life cycle assessment of upflow anaerobic sludge blanket sludge management and activated sludge systems aiming energy use in the municipality of Itajubá, Minas Gerais, Brazil. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1810-1830.	3.0	4
51	Estudo do potencial de geração de energia elétrica a partir do biogás de digestão anaeróbia de resíduos alimentares. <i>Research, Society and Development</i> , 2019, 8, e3785811.	0.1	4
52	Characterization of the Waste Sludge from Paint Booth of Automotive Parts. <i>Journal of Solid Waste Technology and Management</i> , 2018, 44, 1-14.	0.2	3
53	Study of the Properties of Concrete Containing Waste Foundry Sand as Part of the Aggregate. <i>Advanced Materials Research</i> , 2013, 838-841, 131-136.	0.3	2
54	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

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55	Geraç�o de energia usando biog�s de aterros sanit�rios no Brasil: um estudo de potencial energ�tico e viabilidade econ�mica em funç�o da populaç�o. Engenharia Sanitaria E Ambiental, 2022, 27, 67-77.	0.5	2
56	Treatment of wastewater from the dairy industry with Moringa Ole�fera using two different methods. Research, Society and Development, 2021, 10, e21710716514.	0.1	1
57	Simple modelling for maximum flow rates determination to be applied in economically feasible small hydropower plants. American Journal of Hydropower Water and Environment Sytems, 2016, 3, 11-13.	0.1	1
58	OPTIMIZATION AND FINANCIAL RISK ANALYSIS OF SMALL HYDRO POWER (SHPS) DIMENSIONING, CONSIDERING THE CDM BENEFITS. American Journal of Hydropower Water and Environment Sytems, 0, 2, 38-43.	0.1	1
59	Hydraulic transitory study in the small hydropower by characteristics method in order to surge tank dimensioning. American Journal of Hydropower Water and Environment Sytems, 0, 1, 38-47.	0.1	1
60	Case studies for solving the Saint-Venant equations using the method of characteristics: pipeline hydraulic transients and discharge propagation. International Journal of Fluid Machinery and Systems, 2015, 8, 55-62.	0.2	1
61	An�lise da produç�o de biog�s sob diferentes cen�rios de gerenciamento de res�duos s�lidos no munic�pio de Inconfidentes - MG. Labor & Engenho, 2017, 11, 30.	0.0	1
62	A review of Brazilian agro-industrial pig farming systems: environmental impacts and applied anaerobic digestion processes with mineral additives. Research, Society and Development, 2022, 11, e6811121720.	0.1	1
63	ANALYSIS OF THE SPECIMEN'S DIMENSIONS VARIATION INFLUENCE IN SELF -COMPACTING CONCRETE BULK ELECTRICAL RESISTIVITY. Brazilian Journal of Development, 2021, 7, 50959-50973.	0.1	1
64	CFX Modeling of an Axial Turbine with Symmetrical Blades and Reversible Flow for Tidal Power Plants. Advanced Materials Research, 0, 860-863, 1823-1827.	0.3	0
65	Influence of the Roughness of Different Materials of Plastic and Metal Pipes on the Pressure Variation in Hydraulic Curves. Advanced Materials Research, 2013, 838-841, 1814-1818.	0.3	0
66	Case studies for solving the Saint-Venant equations using the method of characteristics: pipeline hydraulic transients and discharge propagation. IOP Conference Series: Earth and Environmental Science, 2014, 22, 042019.	0.3	0
67	Biog�s: aproveitamento energ�tico e gest�o ambiental em aterro sanit�rio. Revista Ibero-americana De Ci�ncias Ambientais, 2021, 12, 540-553.	0.1	0
68	RISCO DE POLUI�O DAS �GUAS SUBTERR�NEAS POR VAZAMENTOS EM POSTOS DE ABASTECIMENTO DE COMBUST�VEL, NO MUNIC�PIO DE RIBEIR�O PRETO - SP.. Revista �guas Subterr�neas, 2009, 23, .	0.1	0
69	Evaluation of Biogas Production and Environmental Benefits from the Landfill in Itajub�-MG, Brazil. The International Journal of the Constructed Environment, 2013, 3, 39-49.	0.1	0
70	Study on the Feasibility of Electricity Generation from Biogas Produced from Municipal Solid Waste and the Biodigestion of Henhouse Manure. Journal of Solid Waste Technology and Management, 2020, 46, 178-195.	0.2	0
71	Avaliaç�o da efici�ncia do tratamento de �guas cinzas utilizando sementes de Moringa ole�fera sob diferentes metodologias de ensaio. Research, Society and Development, 2020, 9, e8879118136.	0.1	0
72	Estudo preliminar da biodigest�o de esterco bovino com soro de leite em sistema de digest�o em duplo est�gio com purificaç�o de biog�s. Research, Society and Development, 2020, 9, e646985911.	0.1	0

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73	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
74	Search Search Scope All Browse By Issue By Author By Title Other Journals FONT SIZE HOME ABOUT LOGIN REGISTER SEARCH CURRENT ARCHIVES ANNOUNCEMENTS EBOOK PUBLISHER ON LINE CONGRESS Home > Vol 7, No 5 (2021) > Pinto MIXTURE DESIGN FOR SELF-COMPACTING CONCRETE USING A VIRTUAL PARTICLE PACKING METHOD. Brazilian Journal of Development, 2021, 7, 50029-50049.	0.1	0
75	Wastewater treatment from potato processing industry using Moringa Oleifera-based coagulant. Revista Ibero-americana De CiÃncias Ambientais, 2022, 12, 211-224.	0.1	0
76	Study on the indexes of basic sanitation and human development in the state of Minas Gerais, Brazil: a panorama in the context of the new sanitation framework. Revista Ibero-americana De CiÃncias Ambientais, 2022, 12, 195-210.	0.1	0
77	AnÃlise de aproveitamento energÃtico de biogÃs em VitÃria da Conquista (BA). Revista Ibero-americana De CiÃncias Ambientais, 2022, 12, 459-468.	0.1	0