

Regina Mambeli Barros

List of Publications by Year in descending order

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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	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	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
3	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
4	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
5	Lab-scale and economic analysis of biogas production from swine manure. <i>Renewable Energy</i> , 2022, 186, 350-365.	8.9	9
6	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. <i>Engenharia Sanitaria E Ambiental</i> , 2022, 27, 67-77.	0.5	2
7	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
8	Energy and economic evaluation of MSW incineration and gasification in Brazil. <i>Renewable Energy</i> , 2022, 188, 933-944.	8.9	18
9	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
10	Wastewater treatment from potato processing industry using Moringa Oleifera-based coagulant. <i>Revista Ibero-americana De Ci�ncias Ambientais</i> , 2022, 12, 211-224.	0.1	0
11	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. <i>Revista Ibero-americana De Ci�ncias Ambientais</i> , 2022, 12, 195-210.	0.1	0
12	An�lise de aproveitamento energ�tico de biog�s em Vit�ria da Conquista (BA). <i>Revista Ibero-americana De Ci�ncias Ambientais</i> , 2022, 12, 459-468.	0.1	0
13	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
14	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
15	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
16	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
17	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
18	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

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19	Rice husk energy production in Brazil: An economic and energy extensive analysis. Journal of Cleaner Production, 2021, 290, 125188.	9.3	26
20	Biogás: aproveitamento energético e gestão ambiental em aterro sanitário. Revista Ibero-americana De Ciências Ambientais, 2021, 12, 540-553.	0.1	0
21	Addition of iron ore tailings to increase the efficiency of anaerobic digestion of pig manure: A technical and economic analysis. Biomass and Bioenergy, 2021, 148, 106013.	5.7	9
22	Municipal solid waste management and economic feasibility for electricity generation from landfill gas and anaerobic reactors in a Brazilian state. Environmental Technology and Innovation, 2021, 22, 101453.	6.1	15
23	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. Journal of Material Cycles and Waste Management, 2021, 23, 1810-1830.	3.0	4
24	Treatment of wastewater from the dairy industry with Moringa Oleífera using two different methods. Research, Society and Development, 2021, 10, e21710716514.	0.1	1
25	Physical and Chemical Properties of Waste Foundry Exhaust Sand for Use in Self-Compacting Concrete. Materials, 2021, 14, 5629.	2.9	7
26	Economic feasibility study of ocean wave electricity generation in Brazil. Renewable Energy, 2021, 178, 1279-1290.	8.9	13
27	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
28	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
29	Remember me NOTIFICATIONS View Subscribe LANGUAGE Select Language English JOURNAL CONTENT 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
30	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
31	Clarification of high-turbidity waters: a comparison of Moringa oleífera and virgin and recovered aluminum sulfate-based coagulants. Environment, Development and Sustainability, 2020, 22, 4551-4562.	5.0	9
32	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
33	Incineration of municipal solid waste in Brazil: An analysis of the economically viable energy potential. Renewable Energy, 2020, 149, 1386-1394.	8.9	72
34	Vinasse biogas energy and economic analysis in the state of São Paulo, Brazil. Journal of Cleaner Production, 2020, 260, 121018.	9.3	17
35	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
36	Avaliação da eficiência do tratamento de águas cinzas utilizando sementes de Moringa oleífera sob diferentes metodologias de ensaio. Research, Society and Development, 2020, 9, e8879118136.	0.1	0

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37	Estudo preliminar da biodigestão de esterco bovino com soro de leite em sistema de digestão em duplo estágio com purificação de biogás. <i>Research, Society and Development</i> , 2020, 9, e646985911.	0.1	0
38	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
39	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
40	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
41	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
42	Feasibility of biogas and energy generation from poultry manure in Brazil. <i>Waste Management and Research</i> , 2018, 36, 221-235.	3.9	18
43	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
44	GHG avoided emissions and economic analysis by power generation potential in posture aviaries in Brazil. <i>Renewable Energy</i> , 2018, 120, 524-535.	8.9	10
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	Análise da produção de biogás sob diferentes cenários de gerenciamento de resíduos sólidos no município de Inconfidentes - MG. <i>Labor & Engenharia</i> , 2017, 11, 30.	0.0	1
59	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
60	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
61	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
62	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
63	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
64	Case studies for solving the Saint-Venant equations using the method of characteristics: pipeline hydraulic transients and discharge propagation. <i>International Journal of Fluid Machinery and Systems</i> , 2015, 8, 55-62.	0.2	1
65	Case studies for solving the Saint-Venant equations using the method of characteristics: pipeline hydraulic transients and discharge propagation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 22, 042019.	0.3	0
66	The electric energy potential of landfill biogas in Brazil. <i>Energy Policy</i> , 2014, 65, 150-164.	8.8	84
67	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
68	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
69	Influence of the Roughness of Different Materials of Plastic and Metal Pipes on the Pressure Variation in Hydraulic Curves. <i>Advanced Materials Research</i> , 2013, 838-841, 1814-1818.	0.3	0
70	Evaluation of Biogas Production and Environmental Benefits from the Landfill in Itajubá-MG, Brazil. <i>The International Journal of the Constructed Environment</i> , 2013, 3, 39-49.	0.1	0
71	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
72	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

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73	Analysis of Brazilian SHP policy and its regulation scenario. Energy Policy, 2011, 39, 6689-6697.	8.8	9
74	RISCO DE POLUIÇÃO DAS ÁGUAS SUBTERRÂNEAS POR VAZAMENTOS EM POSTOS DE ABASTECIMENTO DE COMBUSTÍVEL, NO MUNICÍPIO DE RIBEIRÃO PRETO - SP.. Revista Águas Subterrâneas, 2009, 23, .	0.1	0
75	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
76	OPTIMIZATION AND FINANCIAL RISK ANALYSIS OF SMALL HYDRO POWER (SHPS) DIMENSIONING, CONSIDERING THE CDM BENEFITS. American Journal of Hydropower Water and Environment Systems, 0, 2, 38-43.	0.1	1
77	Hydraulic transitory study in the small hydropower by characteristics method in order to surge tank dimensioning. American Journal of Hydropower Water and Environment Systems, 0, 1, 38-47.	0.1	1