

Rosa Ana Rodriguez

List of Publications by Year in descending order

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36
papers

1,106
citations

361045

20
h-index

433756

31
g-index

38
all docs

38
docs citations

38
times ranked

749
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of pyrolysis temperature and bio-waste composition on biochar characteristics. <i>Renewable Energy</i> , 2020, 155, 837-847.	4.3	92
2	Kinetic study of regional agro-industrial wastes pyrolysis using non-isothermal TGA analysis. <i>Applied Thermal Engineering</i> , 2016, 106, 1157-1164.	3.0	82
3	Kinetic analysis and thermodynamics properties of air/steam gasification of agricultural waste. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103829.	3.3	67
4	Product distribution from solar pyrolysis of agricultural and forestry biomass residues. <i>Renewable Energy</i> , 2016, 89, 27-35.	4.3	66
5	Macro-TGA steam-assisted gasification of lignocellulosic wastes. <i>Journal of Environmental Management</i> , 2019, 233, 626-635.	3.8	61
6	Integral valorization of fruit waste from wine and cider industries. <i>Journal of Cleaner Production</i> , 2020, 242, 118486.	4.6	60
7	Thermal degradation characteristics and gasification kinetics of camel manure using thermogravimetric analysis. <i>Journal of Environmental Management</i> , 2021, 287, 112345.	3.8	50
8	Kinetic and thermodynamic comparative study of quince bio-waste slow pyrolysis before and after sustainable recovery of pectin compounds. <i>Energy Conversion and Management</i> , 2022, 252, 115076.	4.4	49
9	Thermal degradation characteristics and kinetic study of camel manure pyrolysis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106071.	3.3	44
10	Prediction of regional agro-industrial wastes characteristics by thermogravimetric analysis to obtain bioenergy using thermal process. <i>Energy Exploration and Exploitation</i> , 2019, 37, 544-557.	1.1	37
11	4-E (environmental, economic, energetic and exergetic) analysis of slow pyrolysis of lignocellulosic waste. <i>Renewable Energy</i> , 2020, 162, 296-307.	4.3	37
12	Producing non-traditional flour from watermelon rind pomace: Artificial neural network (ANN) modeling of the drying process. <i>Journal of Environmental Management</i> , 2021, 281, 111915.	3.8	33
13	Pyrolysis and Combustion of Regional Agro-Industrial Wastes: Thermal Behavior and Kinetic Parameters Comparison. <i>Combustion Science and Technology</i> , 2018, 190, 114-135.	1.2	32
14	Non-isothermal drying of bio-wastes: Kinetic analysis and determination of effective moisture diffusivity. <i>Journal of Environmental Management</i> , 2020, 262, 110348.	3.8	30
15	Pyrolysis kinetics of regional agro-industrial wastes using isoconversional methods. <i>Biofuels</i> , 2019, 10, 245-257.	1.4	29
16	Prediction of the lignocellulosic winery wastes behavior during gasification process in fluidized bed: Experimental and theoretical study. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5570-5579.	3.3	28
17	Air-steam gasification of five regional lignocellulosic wastes: Exergetic evaluation. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 31, 115-123.	1.7	26
18	Thermal decomposition under oxidative atmosphere of lignocellulosic wastes: Different kinetic methods application. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 404-415.	3.3	25

#	ARTICLE	IF	CITATIONS
19	Clean recovery of phenolic compounds, pyro-gasification thermokinetics, and bioenergy potential of spent agro-industrial bio-wastes. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 12509-12526.	2.9	24
20	Sustainable Solar Drying of Brewerâ€™s Spent Grains: A Comparison with Conventional Electric Convective Drying. <i>Processes</i> , 2022, 10, 339.	1.3	22
21	Nonisothermal drying kinetics of biomass fuels by thermogravimetric analysis under oxidative and inert atmosphere. <i>Drying Technology</i> , 2017, 35, 163-172.	1.7	21
22	Effects of the amendment with almond shell, bio-waste and almond shell-based biochar on the quality of saline-alkali soils. <i>Journal of Environmental Management</i> , 2022, 318, 115604.	3.8	21
23	Coupling scales for modelling heavy metal vaporization from municipal solid waste incineration in a fluid bed by CFD. <i>Waste Management</i> , 2015, 43, 176-187.	3.7	20
24	Exergy Analyses of Onion Drying by Convection: Influence of Dryer Parameters on Performance. <i>Entropy</i> , 2018, 20, 310.	1.1	20
25	Minimization of the adverse environmental effects of discarded onions by avoiding disposal through dehydration and food-use. <i>Journal of Environmental Management</i> , 2020, 271, 110947.	3.8	20
26	Convective drying of yellow discarded onion (Angaco INTA): Modelling of moisture loss kinetics and effect on phenolic compounds. <i>Information Processing in Agriculture</i> , 2020, 7, 333-341.	2.9	19
27	Grape pomace powder valorization: a novel ingredient to improve the nutritional quality of gluten-free muffins. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9997-10009.	2.9	19
28	Cleaner and sustainable processes for extracting phenolic compounds from bio-waste. <i>Journal of Environmental Management</i> , 2020, 273, 111154.	3.8	14
29	Exergy Analysis of Syngas Production Via Biomass Thermal Gasification. <i>International Journal of Thermodynamics</i> , 2016, 19, 178.	0.4	12
30	Exergy, energy, and sustainability assessments applied to RSM optimization of integrated convective air-drying with pretreatments to improve the nutritional quality of pumpkin seeds. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101763.	1.7	11
31	Optimal operational variables of phenolic compound extractions from pistachio industry waste (<i>Pistacia vera</i> var. Kerman) using the response surface method. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 3761-3770.	2.9	10
32	Kinetic analysis of regional agro-industrial waste combustion. <i>Biofuels</i> , 2017, 8, 71-80.	1.4	8
33	Fluidization of biomass: a correlation to assess the minimum fluidization velocity considering the influence of the sphericity factor. <i>Particulate Science and Technology</i> , 2021, 39, 1020-1040.	1.1	7
34	Multiobjective Optimization and Implementation of a Biorefinery Production Scheme for Sustainable Extraction of Pectin from Quince Biowaste. <i>ACS Engineering Au</i> , 2022, 2, 496-506.	2.3	5
35	A CFD Comparative Study of Bubbling Fluidized Bed Behavior with Thermal Effects Using the Open-Source Platforms MFX and OpenFOAM. <i>Fluids</i> , 2022, 7, 1.	0.8	4
36	Thermodynamic and Kinetic Study of Lignocellulosic Waste Gasification. , 2018, , .		1