

JosÃ© Luis SÃ¡nchez CebriÃ¡n

List of Publications by Year in descending order

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54
papers

1,543
citations

279701

23
h-index

330025

37
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54
all docs

54
docs citations

54
times ranked

1785
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of temperature and particle size on the fixed bed pyrolysis of orange peel residues. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 83, 124-130.	2.6	115
2	Influence of temperature and heating rate on the fixed bed pyrolysis of meat and bone meal. <i>Chemical Engineering Journal</i> , 2006, 121, 85-96.	6.6	82
3	Sewage Sludge Pyrolysis in Fluidized Bed, 1: Influence of Operational Conditions on the Product Distribution. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 5376-5385.	1.8	78
4	Structural Changes of Sewage Sludge Char during Fixed-Bed Pyrolysis. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 3211-3221.	1.8	77
5	Performance and emissions of a diesel engine using sunflower biodiesel with a renewable antioxidant additive from bio-oil. <i>Fuel</i> , 2018, 234, 276-285.	3.4	70
6	Influence of gas residence time and air ratio on the air gasification of dried sewage sludge in a bubbling fluidised bed. <i>Fuel</i> , 2006, 85, 2027-2033.	3.4	68
7	Oxidation stability of biodiesel fuels and blends using the Rancimat and PetroOXY methods. Effect of 4-allyl-2,6-dimethoxyphenol and catechol as biodiesel additives on oxidation stability. <i>Frontiers in Chemistry</i> , 2014, 2, 43.	1.8	66
8	Air Gasification of Dried Sewage Sludge in a Fluidized Bed: Effect of the Operating Conditions and In-Bed Use of Alumina. <i>Energy & Fuels</i> , 2005, 19, 629-636.	2.5	56
9	Air steam gasification of sewage sludge in a fluidized bed. Influence of some operating conditions. <i>Chemical Engineering Journal</i> , 2014, 248, 373-382.	6.6	55
10	Antioxidants for biodiesel: Additives prepared from extracted fractions of bio-oil. <i>Fuel Processing Technology</i> , 2017, 156, 407-414.	3.7	50
11	Energetic assessment of air-steam gasification of sewage sludge and of the integration of sewage sludge pyrolysis and air-steam gasification of char. <i>Energy</i> , 2014, 76, 652-662.	4.5	49
12	Prediction of normalized biodiesel properties by simulation of multiple feedstock blends. <i>Bioresource Technology</i> , 2010, 101, 4431-4439.	4.8	42
13	Semichemical pulping of <i>Miscanthus giganteus</i> . Effect of pulping conditions on some pulp and paper properties. <i>Bioresource Technology</i> , 2009, 100, 3933-3940.	4.8	40
14	Influence of feedstock composition in fluidised bed co-gasification of mixtures of lignite, bituminous coal and sewage sludge. <i>Chemical Engineering Journal</i> , 2013, 222, 345-352.	6.6	38
15	Evaluation of different agricultural residues as raw materials for pulp and paper production using a semichemical process. <i>Journal of Cleaner Production</i> , 2017, 156, 184-193.	4.6	37
16	Kinetic study of meat and bone meal pyrolysis: an evaluation and comparison of different possible kinetic models. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 74, 445-453.	2.6	36
17	Characterization and pilot scale fluidized bed gasification of herbaceous biomass: A case study on alfalfa pellets. <i>Energy Conversion and Management</i> , 2015, 91, 451-458.	4.4	32
18	Water Cleaning of Biodiesel. Effect of Catalyst Concentration, Water Amount, and Washing Temperature on Biodiesel Obtained from Rapeseed Oil and Used Oil. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4436-4443.	1.8	28

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19	Technical and Energetic Assessment of a Three-Stage Thermochemical Treatment for Sewage Sludge. <i>Energy & Fuels</i> , 2013, 27, 1026-1034.	2.5	28
20	Characterization of the liquid and solid products obtained from the oxidative pyrolysis of meat and bone meal in a pilot-scale fluidised bed plant. <i>Fuel Processing Technology</i> , 2011, 92, 1954-1962.	3.7	26
21	Methanolysis and ethanolysis of animal fats: A comparative study of the influence of alcohols. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2011, 17, 91-97.	0.4	26
22	Air-steam gasification of char derived from sewage sludge pyrolysis. Comparison with the gasification of sewage sludge. <i>Fuel</i> , 2014, 129, 147-155.	3.4	26
23	Syngas production via catalytic oxidative steam reforming of glycerol using a Co/Al coprecipitated catalyst and different bed fillers. <i>Fuel Processing Technology</i> , 2019, 189, 120-133.	3.7	24
24	Influence of Freeboard Temperature, Fluidization Velocity, and Particle Size on Tar Production and Composition during the Air Gasification of Sewage Sludge. <i>Energy & Fuels</i> , 2008, 22, 2840-2850.	2.5	21
25	Product distribution and kinetic scheme for the fixed bed thermal decomposition of sewage sludge. <i>Chemical Engineering Journal</i> , 2009, 145, 412-419.	6.6	21
26	Use of sewage sludge combustion ash and gasification ash for high-temperature desulphurization of different gas streams. <i>Fuel</i> , 2015, 141, 99-108.	3.4	21
27	Obtaining biodiesel antioxidant additives by hydrothermal treatment of lignocellulosic bio-oil. <i>Fuel Processing Technology</i> , 2017, 166, 1-7.	3.7	21
28	Thermal Processing of Straw Black Liquor in Fluidized and Spouted Bed. <i>Energy & Fuels</i> , 2002, 16, 1417-1424.	2.5	20
29	Thermal Degradation of Alkaline Black Liquor from Wheat Straw. 2. Fixed-Bed Reactor Studies. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 5782-5790.	1.8	19
30	Use of different residues for high temperature desulphurisation of gasification gas. <i>Chemical Engineering Journal</i> , 2011, 174, 644-651.	6.6	19
31	Oxidative steam reforming of glycerol. A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 148, 111299.	8.2	19
32	Straw Black Liquor Steam Reforming in a Fluidized Bed Reactor. Effect of Temperature and Bed Substitution at Pilot Scale. <i>Energy & Fuels</i> , 2005, 19, 2140-2147.	2.5	18
33	Comparison of Methods for Estimating Critical Properties of Alkyl Esters and Its Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 208-218.	1.0	18
34	Desulfurization and Catalytic Gas Cleaning in Fluidized-Bed Co-gasification of Sewage Sludgeâ€“Coal Blends. <i>Energy & Fuels</i> , 2013, 27, 2846-2856.	2.5	16
35	Bio-Oil Hydrotreatment for Enhancing Solubility in Biodiesel and the Oxydation Stability of Resulting Blends. <i>Frontiers in Chemistry</i> , 2018, 6, 83.	1.8	15
36	Kinetic study of the thermal degradation of alkaline straw black liquor in nitrogen atmosphere. <i>Chemical Engineering Journal</i> , 2004, 104, 1-6.	6.6	13

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37	Kinetics of CO ₂ Gasification of Alkaline Black Liquor from Wheat Straw. Influence of CO and CO ₂ Concentrations on the Gasification Rate. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 3233-3241.	1.8	13
38	Further Experiments on Sewage Sludge Air Gasification: Influence of the Nonstationary Period on the Overall Results. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7313-7320.	1.8	12
39	Gas Catalytic Upgrading in a Two-Zone Fluidized Bed Reactor Coupled to a Cogasification Plant. <i>Energy & Fuels</i> , 2013, 27, 2835-2845.	2.5	12
40	Kinetics of CO ₂ Gasification of Alkaline Black Liquor from Wheat Straw. 2. Evolution of CO ₂ Reactivity with the Solid Conversion and Influence of Temperature on the Gasification Rate. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6583-6590.	1.8	11
41	Hierarchical silicalite-1 structures based on pyrolyzed materials. <i>Materials Letters</i> , 2011, 65, 3124-3127.	1.3	11
42	Co-gasification of meat and bone meal with coal in a fluidised bed reactor. <i>Fuel</i> , 2011, 90, 2798-2807.	3.4	11
43	Renewable antioxidant additive for biodiesel obtained from black liquor. <i>Fuel</i> , 2019, 254, 115689.	3.4	11
44	Enhancement of Biodiesel Oxidation Stability Using Additives Obtained from Sewage Sludge Fast-Pyrolysis Liquids. <i>Energy & Fuels</i> , 2016, 30, 302-310.	2.5	10
45	Clean syngas production by gasification of lignocellulosic char: State of the art and future prospects. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 101, 1-20.	2.9	10
46	Antioxidant Additives Produced from Argan Shell Lignin Depolymerization. <i>Energy & Fuels</i> , 2021, 35, 17149-17166.	2.5	9
47	Sulphur removal using char and ash from meat and bone meal pyrolysis. <i>Biomass and Bioenergy</i> , 2012, 40, 190-193.	2.9	8
48	Understanding the Effect of the Transition Period during the Air Gasification of Dried Sewage Sludge in a Fluidized Bed Reactor. <i>International Journal of Chemical Reactor Engineering</i> , 2007, 5, .	0.6	7
49	Design and operation of a small-scale carbonization kiln for cashew nutshell valorization in Burkina Faso. <i>Energy for Sustainable Development</i> , 2019, 53, 71-80.	2.0	7
50	Gasification of Charcoal in Air, Oxygen, and Steam Mixtures over a γ -Al ₂ O ₃ Fluidized Bed. <i>Energy & Fuels</i> , 2018, 32, 406-415.	2.5	6
51	Hydrogen Production from Catalytic Biomass Pyrolysis. <i>Biofuels and Biorefineries</i> , 2015, , 119-147.	0.5	6
52	Density of alkyl esters and its mixtures: A comparison and improvement of predictive models. <i>Fuel</i> , 2013, 103, 232-238.	3.4	4
53	Reply to Comment on "Comparison of Methods for Estimating Critical Properties of Alkyl Esters and Its Mixtures". <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2689-2694.	1.0	3
54	PRODUCTION OF ANTIOXIDANTS FOR BIODIESEL FROM STRAW BLACK LIQUOR DEPOLYMERIZATION. <i>WIT Transactions on Ecology and the Environment</i> , 2019, , .	0.0	2