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List of Publications by Year
in descending order

54 papers	1,543 citations	279701 23 h-index	330025 37 g-index
54 all docs	54 docs citations	54 times ranked	1785 citing authors

#	Article	IF	Citations
1	Clean syngas production by gasification of lignocellulosic char: State of the art and future prospects. Journal of Industrial and Engineering Chemistry, 2021, 101, 1-20.	2.9	10
2	Oxidative steam reforming of glycerol. A review. Renewable and Sustainable Energy Reviews, 2021, 148, 111299.	8.2	19
3	Antioxidant Additives Produced from Argan Shell Lignin Depolymerization. Energy & Fuels, 2021, 35, 17149-17166.	2.5	9
4	Renewable antioxidant additive for biodiesel obtained from black liquor. Fuel, 2019, 254, 115689.	3.4	11
5	Syngas production via catalytic oxidative steam reforming of glycerol using a Co/Al coprecipitated catalyst and different bed fillers. Fuel Processing Technology, 2019, 189, 120-133.	3.7	24
6	Design and operation of a small-scale carbonization kiln for cashew nutshell valorization in Burkina Faso. Energy for Sustainable Development, 2019, 53, 71-80.	2.0	7
7	PRODUCTION OF ANTIOXIDANTS FOR BIODIESEL FROM STRAW BLACK LIQUOR DEPOLYMERIZATION. WIT Transactions on Ecology and the Environment, 2019, , .	0.0	2
8	Gasification of Charcoal in Air, Oxygen, and Steam Mixtures over a Î³-Al₂O₃ Fluidized Bed. Energy & Fuels, 2018, 32, 406-415.	2.5	6
9	Performance and emissions of a diesel engine using sunflower biodiesel with a renewable antioxidant additive from bio-oil. Fuel, 2018, 234, 276-285.	3.4	70
10	Bio-Oil Hydrotreatment for Enhancing Solubility in Biodiesel and the Oxydation Stability of Resulting Blends. Frontiers in Chemistry, 2018, 6, 83.	1.8	15
11	Evaluation of different agricultural residues as raw materials for pulp and paper production using a semichemical process. Journal of Cleaner Production, 2017, 156, 184-193.	4.6	37
12	Obtaining biodiesel antioxidant additives by hydrothermal treatment of lignocellulosic bio-oil. Fuel Processing Technology, 2017, 166, 1-7.	3.7	21
13	Antioxidants for biodiesel: Additives prepared from extracted fractions of bio-oil. Fuel Processing Technology, 2017, 156, 407-414.	3.7	50
14	Enhancement of Biodiesel Oxidation Stability Using Additives Obtained from Sewage Sludge Fast-Pyrolysis Liquids. Energy & Fuels, 2016, 30, 302-310.	2.5	10
15	Characterization and pilot scale fluidized bed gasification of herbaceous biomass: A case study on alfalfa pellets. Energy Conversion and Management, 2015, 91, 451-458.	4.4	32
16	Use of sewage sludge combustion ash and gasification ash for high-temperature desulphurization of different gas streams. Fuel, 2015, 141, 99-108.	3.4	21
17	Hydrogen Production from Catalytic Biomass Pyrolysis. Biofuels and Biorefineries, 2015, , 119-147.	0.5	6
18	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. Frontiers in Chemistry, 2014, 2, 43.	1.8	66

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19	Energetic assessment of air-steam gasification of sewage sludge and of the integration of sewage sludge pyrolysis and air-steam gasification of char. Energy, 2014, 76, 652-662.	4.5	49
20	Air-steam gasification of char derived from sewage sludge pyrolysis. Comparison with the gasification of sewage sludge. Fuel, 2014, 129, 147-155.	3.4	26
21	Airâ€“steam gasification of sewage sludge in a fluidized bed. Influence of some operating conditions. Chemical Engineering Journal, 2014, 248, 373-382.	6.6	55
22	Reply to Comment on â€œComparison of Methods for Estimating Critical Properties of Alkyl Esters and Its Mixturesâ€• Journal of Chemical & Engineering Data, 2013, 58, 2689-2694.	1.0	3
23	Gas Catalytic Upgrading in a Two-Zone Fluidized Bed Reactor Coupled to a Cogasification Plant. Energy & Fuels, 2013, 27, 2835-2845.	2.5	12
24	Density of alkyl esters and its mixtures: A comparison and improvement of predictive models. Fuel, 2013, 103, 232-238.	3.4	4
25	Influence of feedstock composition in fluidised bed co-gasification of mixtures of lignite, bituminous coal and sewage sludge. Chemical Engineering Journal, 2013, 222, 345-352.	6.6	38
26	Desulfurization and Catalytic Gas Cleaning in Fluidized-Bed Co-gasification of Sewage Sludgeâ€“Coal Blends. Energy & Fuels, 2013, 27, 2846-2856.	2.5	16
27	Technical and Energetic Assessment of a Three-Stage Thermochemical Treatment for Sewage Sludge. Energy & Fuels, 2013, 27, 1026-1034.	2.5	28
28	Comparison of Methods for Estimating Critical Properties of Alkyl Esters and Its Mixtures. Journal of Chemical & Engineering Data, 2012, 57, 208-218.	1.0	18
29	Sulphur removal using char and ash from meat and bone meal pyrolysis. Biomass and Bioenergy, 2012, 40, 190-193.	2.9	8
30	Hierarchical silicalite-1 structures based on pyrolized materials. Materials Letters, 2011, 65, 3124-3127.	1.3	11
31	Use of different residues for high temperature desulphurisation of gasification gas. Chemical Engineering Journal, 2011, 174, 644-651.	6.6	19
32	Co-gasification of meat and bone meal with coal in a fluidised bed reactor. Fuel, 2011, 90, 2798-2807.	3.4	11
33	Characterization of the liquid and solid products obtained from the oxidative pyrolysis of meat and bone meal in a pilot-scale fluidised bed plant. Fuel Processing Technology, 2011, 92, 1954-1962.	3.7	26
34	Methanolysis and ethanolysis of animal fats: A comparative study of the influence of alcohols. Chemical Industry and Chemical Engineering Quarterly, 2011, 17, 91-97.	0.4	26
35	Prediction of normalized biodiesel properties by simulation of multiple feedstock blends. Bioresource Technology, 2010, 101, 4431-4439.	4.8	42
36	Water Cleaning of Biodiesel. Effect of Catalyst Concentration, Water Amount, and Washing Temperature on Biodiesel Obtained from Rapeseed Oil and Used Oil. Industrial & Engineering Chemistry Research, 2010, 49, 4436-4443.	1.8	28

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37	Product distribution and kinetic scheme for the fixed bed thermal decomposition of sewage sludge. Chemical Engineering Journal, 2009, 145, 412-419.	6.6	21
38	Semichemical pulping of Miscanthus giganteus. Effect of pulping conditions on some pulp and paper properties. Bioresource Technology, 2009, 100, 3933-3940.	4.8	40
39	Structural Changes of Sewage Sludge Char during Fixed-Bed Pyrolysis. Industrial & Engineering Chemistry Research, 2009, 48, 3211-3221.	1.8	77
40	Influence of temperature and particle size on the fixed bed pyrolysis of orange peel residues. Journal of Analytical and Applied Pyrolysis, 2008, 83, 124-130.	2.6	115
41	Sewage Sludge Pyrolysis in Fluidized Bed, 1: Influence of Operational Conditions on the Product Distribution. Industrial & Engineering Chemistry Research, 2008, 47, 5376-5385.	1.8	78
42	Influence of Freeboard Temperature, Fluidization Velocity, and Particle Size on Tar Production and Composition during the Air Gasification of Sewage Sludge. Energy & Fuels, 2008, 22, 2840-2850.	2.5	21
43	Understanding the Effect of the Transition Period during the Air Gasification of Dried Sewage Sludge in a Fluidized Bed Reactor. International Journal of Chemical Reactor Engineering, 2007, 5, .	0.6	7
44	Further Experiments on Sewage Sludge Air Gasification:Â Influence of the Nonstationary Period on the Overall Results. Industrial & Engineering Chemistry Research, 2006, 45, 7313-7320.	1.8	12
45	Influence of gas residence time and air ratio on the air gasification of dried sewage sludge in a bubbling fluidised bed. Fuel, 2006, 85, 2027-2033.	3.4	68
46	Influence of temperature and heating rate on the fixed bed pyrolysis of meat and bone meal. Chemical Engineering Journal, 2006, 121, 85-96.	6.6	82
47	Kinetic study of meat and bone meal pyrolysis: an evaluation and comparison of different possible kinetic models. Journal of Analytical and Applied Pyrolysis, 2005, 74, 445-453.	2.6	36
48	Air Gasification of Dried Sewage Sludge in a Fluidized Bed:â€‰ Effect of the Operating Conditions and In-Bed Use of Alumina. Energy & Fuels, 2005, 19, 629-636.	2.5	56
49	Straw Black Liquor Steam Reforming in a Fluidized Bed Reactor. Effect of Temperature and Bed Substitution at Pilot Scale. Energy & Fuels, 2005, 19, 2140-2147.	2.5	18
50	Kinetics of CO2 Gasification of Alkaline Black Liquor from Wheat Straw. 2. Evolution of CO2 Reactivity with the Solid Conversion and Influence of Temperature on the Gasification Rate. Industrial & Engineering Chemistry Research, 2005, 44, 6583-6590.	1.8	11
51	Kinetic study of the thermal degradation of alkaline straw black liquor in nitrogen atmosphere. Chemical Engineering Journal, 2004, 104, 1-6.	6.6	13
52	Kinetics of CO2Gasification of Alkaline Black Liquor from Wheat Straw. Influence of CO and CO2Concentrations on the Gasification Rate. Industrial & Engineering Chemistry Research, 2004, 43, 3233-3241.	1.8	13
53	Thermal Degradation of Alkaline Black Liquor from Wheat Straw. 2. Fixed-Bed Reactor Studies. Industrial & Engineering Chemistry Research, 2003, 42, 5782-5790.	1.8	19
54	Thermal Processing of Straw Black Liquor in Fluidized and Spouted Bed. Energy & Fuels, 2002, 16, 1417-1424.	2.5	20