Gwenaëlle Trouve

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Pyrolysis characteristics and kinetics of Arundo donax using thermogravimetric analysis. Bioresource Technology, 2009, 100, 4026-4031.	9.6	187
2	Biosorption of basic dye from aqueous solutions by Date Stones and Palm-Trees Waste: Kinetic, equilibrium and thermodynamic studies. Desalination, 2011, 271, 80-87.	8.2	165
3	Thermogravimetric analysis and emission characteristics of two energy crops in air atmosphere: Arundo donax and Miscanthus giganthus. Bioresource Technology, 2010, 101, 788-793.	9.6	102
4	Study on the thermal behavior of different date palm residues: Characterization and devolatilization kinetics under inert and oxidative atmospheres. Energy, 2012, 44, 702-709.	8.8	101
5	Thermal degradation of olive solid waste: Influence of particle size and oxygen concentration. Resources, Conservation and Recycling, 2010, 54, 271-277.	10.8	91
6	Combined process for the treatment of olive oil mill wastewater: Absorption on sawdust and combustion of the impregnated sawdust. Bioresource Technology, 2010, 101, 6962-6971.	9.6	50
7	Thermal degradation of Miscanthus pellets: kinetics and aerosols characterization. Waste and Biomass Valorization, 2011, 2, 149-155.	3.4	45
8	Energetic valorisation of olive mill wastewater impregnated on low cost absorbent: Sawdust versus olive solid waste. Energy, 2012, 39, 74-81.	8.8	44
9	A new valorisation strategy of olive mill wastewater: Impregnation on sawdust and combustion. Resources, Conservation and Recycling, 2012, 59, 4-8.	10.8	44
10	Development of a detailed kinetic model for the combustion of biomass. Fuel, 2019, 242, 756-774.	6.4	44
11	Devolatilization Kinetics of Miscanthus Straw from Thermogravimetric Analysis. International Journal of Green Energy, 2010, 7, 164-173.	3.8	43
12	Biosorption performance, combustion behavior, and leaching characteristics of olive solid waste during the removal of copper and nickel from aqueous solutions. Clean Technologies and Environmental Policy, 2014, 16, 979-986.	4.1	43
13	Study on the emission mechanism during devolatilization/char oxidation and direct oxidation of olive solid waste in a fixed bed reactor. Journal of Analytical and Applied Pyrolysis, 2010, 87, 168-174.	5.5	42
14	Synthesis of Group 4 metal compounds containing cyclopentadienyl ligands with a pendant alkoxide Organometallic Chemistry, 1996, 511, 255-262.	1.8	39
15	Biosorption of copper from aqueous solutions by date stones and palm-trees waste. Environmental Chemistry Letters, 2011, 9, 65-69.	16.2	37
16	Wood washing: Influence on gaseous and particulate emissions during wood combustion in a domestic pellet stove. Fuel Processing Technology, 2018, 174, 104-117.	7.2	37
17	Carbonylation of ethene to acrolein in the presence of the early-late heterobimetallic complex [AsPh4][(.eta.5-C5Me5)2Zr(.muS)2Rh(CO)2].cntdot.THF. Organometallics, 1993, 12, 1021-1022.	2.3	36
18	Energy recovery of date palm residues in a domestic pellet boiler. Fuel Processing Technology, 2013, 112, 12-18.	7.2	36

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19	Density measurement of fine aerosol fractions from wood combustion sources using ELPI distributions and image processing techniques. Fuel, 2009, 88, 947-954.	6.4	33
20	Parametric study on the particulate matter emissions during solid fuel combustion in a drop tube furnace. Fuel, 2017, 189, 358-368.	6.4	32
21	Kinetic analysis of thermal decomposition of date palm residues using Coats–Redfern method. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1117-1124.	2.3	29
22	Measurement of Gaseous and Particulate Pollutants during Combustion of Date Palm Wastes for Energy Recovery. Aerosol and Air Quality Research, 2012, 12, 814-825.	2.1	28
23	Combustion tests of grape marc in a multi-fuel domestic boiler. Fuel, 2016, 180, 324-331.	6.4	25
24	Cytotoxic and genotoxic responses of human lung cells to combustion smoke particles of Miscanthus straw, softwood and beech wood chips. Atmospheric Environment, 2017, 163, 138-154.	4.1	25
25	Investigation of thermal degradation of different wood-based biofuels of the northwest region of the Russian Federation. Journal of Thermal Analysis and Calorimetry, 2015, 122, 963-973.	3.6	22
26	Physicochemical and mineralogical characterization of biomass ash from different power plants in the Upper Rhine Region. Fuel, 2019, 258, 116020.	6.4	22
27	Thermogravimetric study of thermal decontamination of soils polluted by hexachlorobenzene, 4-chlorobiphenyl, naphthalene, or n-decane. Journal of Hazardous Materials, 1999, 64, 295-311.	12.4	20
28	Bottom ash of trees from Cameroon as fertilizer. Applied Geochemistry, 2016, 72, 88-96.	3.0	20
29	Particle-bound PAHs quantification using a 3-stages cascade impactor in French indoor environments. Environmental Pollution, 2014, 195, 64-72.	7.5	19
30	Evaluation of date palm residues combustion in fixed bed laboratory reactor: A comparison with sawdust behaviour. Renewable Energy, 2014, 62, 209-215.	8.9	18
31	Thermal degradations of wood biofuels, coals and hydrolysis lignin from the Russian Federation: Experiments and modeling. Bioresource Technology, 2016, 218, 1046-1054.	9.6	18
32	Size distributions of fine and ultrafine particles in the city of Strasbourg: Correlation between number of particles and concentrations of NOx and SO2 gases and some soluble ions concentration determination. Journal of Environmental Management, 2008, 86, 282-290.	7.8	14
33	Experimental investigation on gaseous emissions from the combustion of date palm residues in laboratory scale furnace. Bioresource Technology, 2013, 131, 94-100.	9.6	14
34	Analysis of the combustion of pellets made with three Cameroonian biomass in a domestic pellet stove. Fuel, 2020, 276, 118105.	6.4	13
35	Fluorescence Microscopy Analysis of Particulate Matter from Biomass Burning: Polyaromatic Hydrocarbons as Main Contributors. Aerosol Science and Technology, 2015, 49, 1160-1169.	3.1	11
36	Domestic Wood Heating Appliances with Environmental High Performance: Chemical Composition of Emission and Correlations between Emission Factors and Operating Conditions. Energy & Map; Fuels, 2016, 30, 7241-7255.	5.1	11

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37	Combustion of hydrolysis lignin in a drop tube furnace and subsequent gaseous and particulate emissions. Bioresource Technology, 2019, 288, 121498.	9.6	9
38	Image processing nanoparticle size measurement for determination of density values to correct the ELPI measures. Precision Engineering, 2008, 32, 88-99.	3.4	7
39	Energetic performances and environmental impact of the combustion of cardboard/sawdust in a domestic boiler. Fuel, 2014, 122, 21-27.	6.4	7
40	Use of biomass ash from different sources and processes in cement. Journal of Sustainable Cement-Based Materials, 2020, 9, 350-370.	3.1	5
41	Emissions from a Domestic Wood Heating Appliance: Experimental Measurements and Numerical Study Using an Equivalent Reactor Network (ERN) Approach Coupled with a Detailed Chemical Mechanism. Energy & Fuels, 2021, 35, 18680-18698.	5.1	5
42	Characterization and in vitro biological effects of ambient air PM10 from a rural, an industrial and an urban site in Sulaimani City, Iraq. Toxicological and Environmental Chemistry, 2018, 100, 373-394.	1.2	4
43	Opaline phytoliths in Miscanthus sinensis and its cyclone ash from a biomass-combustion facility. Industrial Crops and Products, 2019, 139, 111539.	5.2	3
44	Influence and modelling of wood washing on mineral and organic compositions of three woods (beech, fir and oak). Journal of the Energy Institute, 2020, 93, 198-209.	5.3	3
45	Development of a Liquid/Liquid Extraction Method and GC/MS Analysis Dedicated to the Quantitative Analysis of PAHs and O-PACs in Groundwater from Contaminated Sites and Soils. Polycyclic Aromatic Compounds, 2022, 42, 4000-4018.	2.6	3
46	Recovery of an Agro-industrial Vinasse by Adsorption on Different Wood Materials: Parametric Study at Laboratory Scale. BioResources, 2014, 9, .	1.0	3
47	Analyses of the impact of torrefaction processes on hydrolysis lignin samples through chemical and morphological investigations. Biomass Conversion and Biorefinery, 2020, 11, 2123.	4.6	2
48	Thermal Decomposition and Combustion of Peat Fuel. Solid Fuel Chemistry, 2019, 53, 283-288.	0.7	1
49	Study of the memory effect of PCDD/F during the combustion of several biomasses in a moving grate boiler. Environmental Science and Pollution Research, 2022, 29, 72639-72654.	5.3	1
50	A Parametric Study of an Experimental Gasifier by Taguchi Methods. Solid Fuel Chemistry, 2020, 54, 239-250.	0.7	0