

# Gwenaïlle Trouve

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,621  
citations

279778

23  
h-index

289230

40  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1837  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrolysis characteristics and kinetics of Arundo donax using thermogravimetric analysis. <i>Bioresource Technology</i> , 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. <i>Desalination</i> , 2011, 271, 80-87.	8.2	165
3	Thermogravimetric analysis and emission characteristics of two energy crops in air atmosphere: Arundo donax and Miscanthus giganteus. <i>Bioresource Technology</i> , 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. <i>Energy</i> , 2012, 44, 702-709.	8.8	101
5	Thermal degradation of olive solid waste: Influence of particle size and oxygen concentration. <i>Resources, Conservation and Recycling</i> , 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. <i>Bioresource Technology</i> , 2010, 101, 6962-6971.	9.6	50
7	Thermal degradation of Miscanthus pellets: kinetics and aerosols characterization. <i>Waste and Biomass Valorization</i> , 2011, 2, 149-155.	3.4	45
8	Energetic valorisation of olive mill wastewater impregnated on low cost absorbent: Sawdust versus olive solid waste. <i>Energy</i> , 2012, 39, 74-81.	8.8	44
9	A new valorisation strategy of olive mill wastewater: Impregnation on sawdust and combustion. <i>Resources, Conservation and Recycling</i> , 2012, 59, 4-8.	10.8	44
10	Development of a detailed kinetic model for the combustion of biomass. <i>Fuel</i> , 2019, 242, 756-774.	6.4	44
11	Devolatilization Kinetics of Miscanthus Straw from Thermogravimetric Analysis. <i>International Journal of Green Energy</i> , 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. <i>Clean Technologies and Environmental Policy</i> , 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. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 87, 168-174.	5.5	42
14	Synthesis of Group 4 metal compounds containing cyclopentadienyl ligands with a pendant alkoxide <i>Organometallic Chemistry</i> , 1996, 511, 255-262.	1.8	39
15	Biosorption of copper from aqueous solutions by date stones and palm-trees waste. <i>Environmental Chemistry Letters</i> , 2011, 9, 65-69.	16.2	37
16	Wood washing: Influence on gaseous and particulate emissions during wood combustion in a domestic pellet stove. <i>Fuel Processing Technology</i> , 2018, 174, 104-117.	7.2	37
17	Carbonylation of ethene to acrolein in the presence of the early-late heterobimetallic complex [AsPh <sub>4</sub> ][(.eta. <sup>5</sup> -C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Zr(.mu. <sup>-</sup> S) <sub>2</sub> Rh(CO) <sub>2</sub> ].cntdot.THF. <i>Organometallics</i> , 1993, 12, 1021-1022.	2.3	36
18	Energy recovery of date palm residues in a domestic pellet boiler. <i>Fuel Processing Technology</i> , 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. <i>Fuel</i> , 2009, 88, 947-954.	6.4	33
20	Parametric study on the particulate matter emissions during solid fuel combustion in a drop tube furnace. <i>Fuel</i> , 2017, 189, 358-368.	6.4	32
21	Kinetic analysis of thermal decomposition of date palm residues using Coats&Redfern method. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 1117-1124.	2.3	29
22	Measurement of Gaseous and Particulate Pollutants during Combustion of Date Palm Wastes for Energy Recovery. <i>Aerosol and Air Quality Research</i> , 2012, 12, 814-825.	2.1	28
23	Combustion tests of grape marc in a multi-fuel domestic boiler. <i>Fuel</i> , 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. <i>Atmospheric Environment</i> , 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. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 963-973.	3.6	22
26	Physicochemical and mineralogical characterization of biomass ash from different power plants in the Upper Rhine Region. <i>Fuel</i> , 2019, 258, 116020.	6.4	22
27	Thermogravimetric study of thermal decontamination of soils polluted by hexachlorobenzene, 4-chlorobiphenyl, naphthalene, or n-decane. <i>Journal of Hazardous Materials</i> , 1999, 64, 295-311.	12.4	20
28	Bottom ash of trees from Cameroon as fertilizer. <i>Applied Geochemistry</i> , 2016, 72, 88-96.	3.0	20
29	Particle-bound PAHs quantification using a 3-stages cascade impactor in French indoor environments. <i>Environmental Pollution</i> , 2014, 195, 64-72.	7.5	19
30	Evaluation of date palm residues combustion in fixed bed laboratory reactor: A comparison with sawdust behaviour. <i>Renewable Energy</i> , 2014, 62, 209-215.	8.9	18
31	Thermal degradations of wood biofuels, coals and hydrolysis lignin from the Russian Federation: Experiments and modeling. <i>Bioresource Technology</i> , 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. <i>Journal of Environmental Management</i> , 2008, 86, 282-290.	7.8	14
33	Experimental investigation on gaseous emissions from the combustion of date palm residues in laboratory scale furnace. <i>Bioresource Technology</i> , 2013, 131, 94-100.	9.6	14
34	Analysis of the combustion of pellets made with three Cameroonian biomass in a domestic pellet stove. <i>Fuel</i> , 2020, 276, 118105.	6.4	13
35	Fluorescence Microscopy Analysis of Particulate Matter from Biomass Burning: Polyaromatic Hydrocarbons as Main Contributors. <i>Aerosol Science and Technology</i> , 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. <i>Energy &amp; Fuels</i> , 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. <i>Bioresource Technology</i> , 2019, 288, 121498.	9.6	9
38	Image processing nanoparticle size measurement for determination of density values to correct the ELPI measures. <i>Precision Engineering</i> , 2008, 32, 88-99.	3.4	7
39	Energetic performances and environmental impact of the combustion of cardboard/sawdust in a domestic boiler. <i>Fuel</i> , 2014, 122, 21-27.	6.4	7
40	Use of biomass ash from different sources and processes in cement. <i>Journal of Sustainable Cement-Based Materials</i> , 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. <i>Energy &amp; Fuels</i> , 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. <i>Toxicological and Environmental Chemistry</i> , 2018, 100, 373-394.	1.2	4
43	Opaline phytoliths in <i>Miscanthus sinensis</i> and its cyclone ash from a biomass-combustion facility. <i>Industrial Crops and Products</i> , 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). <i>Journal of the Energy Institute</i> , 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. <i>Polycyclic Aromatic Compounds</i> , 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. <i>BioResources</i> , 2014, 9, .	1.0	3
47	Analyses of the impact of torrefaction processes on hydrolysis lignin samples through chemical and morphological investigations. <i>Biomass Conversion and Biorefinery</i> , 2020, 11, 2123.	4.6	2
48	Thermal Decomposition and Combustion of Peat Fuel. <i>Solid Fuel Chemistry</i> , 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. <i>Environmental Science and Pollution Research</i> , 2022, 29, 72639-72654.	5.3	1
50	A Parametric Study of an Experimental Gasifier by Taguchi Methods. <i>Solid Fuel Chemistry</i> , 2020, 54, 239-250.	0.7	0