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List of Publications by Year
in descending order

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24 papers	1,256 citations	471371 17 h-index	642610 23 g-index
24 all docs	24 docs citations	24 times ranked	1705 citing authors

#	Article	IF	Citations
1	Insights about the effect of composition, branching and molecular weight on the slow pyrolysis of xylose-based polysaccharides. Journal of Analytical and Applied Pyrolysis, 2022, 161, 105369.	2.6	11
2	Membrane and Electrochemical Based Technologies for the Decontamination of Exploitable Streams Produced by Thermochemical Processing of Contaminated Biomass. Energies, 2022, 15, 2683.	1.6	2
3	Inherent Metal Elements in Biomass Pyrolysis: A Review. Energy & Fuels, 2021, 35, 5407-5478.	2.5	68
4	Is the biochar an effective floating cover for manure storage to reduce ammonia emissions, adsorbing nitrogen at the same timeÆ'. , 2020, , .		1
5	About the Influence of Doping Approach on the Alkali Metal Catalyzed Slow Pyrolysis of Xylan. Journal of Chemistry, 2019, 2019, 1-11.	0.9	5
6	Steam assisted slow pyrolysis of contaminated biomasses: Effect of plant parts and process temperature on heavy metals fate. Waste Management, 2019, 85, 232-241.	3.7	30
7	Effect of alkali metal ions presence on the products of xylan steam assisted slow pyrolysis. Fuel, 2018, 216, 36-43.	3.4	27
8	Modeling the impact of the presence of KCl on the slow pyrolysis of cellulose. Fuel, 2018, 215, 57-65.	3.4	19
9	Torrefaction of Woody Waste for Use as Biofuel. Energy & Fuels, 2018, 32, 10266-10271.	2.5	14
10	Assessing the Potential of Biochars Prepared by Steam-Assisted Slow Pyrolysis for CO₂ Adsorption and Separation. Energy & Fuels, 2018, 32, 10218-10227.	2.5	64
11	Antimicrobial activity of eumelanin-based hybrids: The role of TiO 2 in modulating the structure and biological performance. Materials Science and Engineering C, 2017, 75, 454-462.	3.8	36
12	Unresolved Issues on the Kinetic Modeling of Pyrolysis of Woody and Nonwoody Biomass Fuels. Energy & Fuels, 2017, 31, 4035-4044.	2.5	29
13	Pyrolysis for exploitation of biomasses selected for soil phytoremediation: Characterization of gaseous and solid products. Waste Management, 2017, 61, 288-299.	3.7	36
14	A study on the structural features of the water-insoluble fraction (WIF) isolated from biomass slow steam pyrolysis liquids. Journal of Analytical and Applied Pyrolysis, 2016, 121, 128-137.	2.6	4
15	Copper and zinc removal from contaminated soils through soil washing process using ethylenediaminedisuccinic acid as a chelating agent: A modeling investigation. Journal of Environmental Chemical Engineering, 2016, 4, 2878-2891.	3.3	39
16	H2O and CO2 Dilution in MILD Combustion of Simple Hydrocarbons. Flow, Turbulence and Combustion, 2016, 96, 433-448.	1.4	49
17	CO 2 and H 2 O effect on propane auto-ignition delay times under mild combustion operative conditions. Combustion and Flame, 2015, 162, 533-543.	2.8	95
18	Influence of possible interactions between biomass organic components and alkali metal ions on steam assisted pyrolysis: A case study on Arundo donax. Journal of Analytical and Applied Pyrolysis, 2015, 112, 244-252.	2.6	40

#	Article	IF	Citations
19	Thermal and mechanical stabilization process of the organic fraction of the municipal solid waste. Waste Management, 2015, 44, 125-134.	3.7	10
20	Autoignition delay times of propane mixtures under MILD conditions at atmospheric pressure. Combustion and Flame, 2014, 161, 3022-3030.	2.8	43
21	Hemicellulose, cellulose and lignin interactions on Arundo donax steam assisted pyrolysis. Journal of Analytical and Applied Pyrolysis, 2014, 110, 138-146.	2.6	62
22	Cellulose, hemicellulose and lignin slow steam pyrolysis: Thermal decomposition of biomass components mixtures. Journal of Analytical and Applied Pyrolysis, 2013, 100, 213-222.	2.6	196
23	Cellulose slow pyrolysis products in a pressurized steam flow reactor. Fuel, 2013, 107, 122-130.	3.4	30
24	GC/MS Characterization of Liquids Generated from Low-Temperature Pyrolysis of Wood. Industrial & Engineering Chemistry Research, 2003, 42, 3190-3202.	1.8	346