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List of Publications by Year
in descending order

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59 papers	16,301 citations	66315 42 h-index	149623 56 g-index
60 all docs	60 docs citations	60 times ranked	10570 citing authors

#	Article	IF	Citations
1	Mapping bioenergy stakeholders: A systematic and scientometric review of capabilities and expertise in bioenergy research in the United Kingdom. Renewable and Sustainable Energy Reviews, 2021, 137, 110496.	8.2	10
2	Coal and biomass co-pyrolysis in a fluidized-bed reactor: Numerical assessment of fuel type and blending conditions. Fuel, 2020, 275, 118004.	3.4	29
3	Slow pyrolysis of organic fraction of municipal solid waste (OFMSW): Characterisation of products and screening of the aqueous liquid product for anaerobic digestion. Applied Energy, 2018, 213, 158-168.	5.1	72
4	Effect of temperature on product performance of a high ash biomass during fast pyrolysis and its bio-oil storage evaluation. Fuel Processing Technology, 2018, 172, 97-105.	3.7	69
5	Characterisation and Py-GC/MS analysis of Imperata Cylindrica as potential biomass for bio-oil production in Brunei Darussalam. Journal of Analytical and Applied Pyrolysis, 2018, 134, 510-519.	2.6	62
6	A techno-economic analysis of energy recovery from organic fraction of municipal solid waste (MSW) by an integrated intermediate pyrolysis and combined heat and power (CHP) plant. Energy Conversion and Management, 2018, 174, 406-416.	4.4	84
7	Combined heat and power from the intermediate pyrolysis of biomass materials: performance, economics and environmental impact. Applied Energy, 2017, 191, 639-652.	5.1	71
8	Fast Pyrolysis Oil Fuel Blend for Marine Vessels. Environmental Progress and Sustainable Energy, 2017, 36, 677-684.	1.3	16
9	Catalytic fast pyrolysis forÂimproved liquid quality. , 2016, , 391-429.		7
10	Kinetic study of the pyrolysis of miscanthus and its acid hydrolysis residue by thermogravimetric analysis. Fuel Processing Technology, 2015, 138, 184-193.	3.7	81
11	Fast pyrolysis processing of surfactant washed Miscanthus. Fuel Processing Technology, 2014, 128, 94-103.	3.7	38
12	The influence of harvest and storage on the properties of and fast pyrolysis products from Miscanthus x giganteus. Biomass and Bioenergy, 2013, 56, 247-259.	2.9	27
13	Upgrading fast pyrolysis liquids: Blends of biodiesel and pyrolysis oil. Fuel, 2013, 109, 417-426.	3.4	49
14	In situ catalytic upgrading of bio-oil using supported molybdenum carbide. Applied Catalysis A: General, 2013, 458, 48-54.	2.2	31
15	Impact of Miscanthus x giganteus senescence times on fast pyrolysis bio-oil quality. Bioresource Technology, 2013, 129, 335-342.	4.8	36
16	A comparative study of straw, perennial grasses and hardwoods in terms of fast pyrolysis products. Fuel, 2013, 108, 216-230.	3.4	182
17	Sequential pyrolysis of willow SRC at low and high heating rates â€“ Implications for selective pyrolysis. Fuel, 2012, 93, 692-702.	3.4	33
18	Thermochemical characterisation of straws and high yielding perennial grasses. Industrial Crops and Products, 2012, 36, 449-459.	2.5	81

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19	Review of fast pyrolysis of biomass and product upgrading. Biomass and Bioenergy, 2012, 38, 68-94.	2.9	3,536
20	Variation in Miscanthus chemical composition and implications for conversion by pyrolysis and thermo-chemical bio-refining for fuels and chemicals. Bioresource Technology, 2011, 102, 3411-3418.	4.8	142
21	Biomass-based small and micro combined heat and power (CHP) systems: application and status in the United Kingdom. , 2011, , 427-458.		4
22	Lignin fast pyrolysis: Results from an international collaboration. Journal of Analytical and Applied Pyrolysis, 2010, 88, 53-72.	2.6	343
23	Study on the pyrolytic behaviour of xylan-based hemicellulose using TGâ€“FTIR and Pyâ€“GCâ€“FTIR. Journal of Analytical and Applied Pyrolysis, 2010, 87, 199-206.	2.6	445
24	Evaluation of catalytic pyrolysis of cassava rhizome by principal component analysis. Fuel, 2010, 89, 244-253.	3.4	115
25	Computational modelling of the impact of particle size to the heat transfer coefficient between biomass particles and a fluidised bed. Fuel Processing Technology, 2010, 91, 68-79.	3.7	73
26	3D simulation of the effects of sphericity on char entrainment in fluidised beds. Fuel Processing Technology, 2010, 91, 749-758.	3.7	25
27	A CFD approach on the effect of particle size on char entrainment in bubbling fluidised bed reactors. Biomass and Bioenergy, 2010, 34, 21-29.	2.9	30
28	Miscanthus as a feedstock for fast-pyrolysis: Does agronomic treatment affect quality?. Bioresource Technology, 2010, 101, 6185-6191.	4.8	89
29	CFD modelling of the fast pyrolysis of biomass in fluidised bed reactors: Modelling the impact of biomass shrinkage. Chemical Engineering Journal, 2009, 149, 417-427.	6.6	110
30	Application of CFD to model fast pyrolysis of biomass. Fuel Processing Technology, 2009, 90, 504-512.	3.7	122
31	CFD modelling of the fast pyrolysis of biomass in fluidised bed reactors. Part B. Chemical Engineering Science, 2009, 64, 1036-1045.	1.9	134
32	CFD modelling of the fast pyrolysis of an in-flight cellulosic particle subjected to convective heat transfer. Biomass and Bioenergy, 2009, 33, 97-107.	2.9	26
33	CFD modelling of the fast pyrolysis of biomass in fluidised bed reactors, Part A: Eulerian computation of momentum transport in bubbling fluidised beds. Chemical Engineering Science, 2008, 63, 4218-4227.	1.9	103
34	Fast pyrolysis of cassava rhizome in the presence of catalysts. Journal of Analytical and Applied Pyrolysis, 2008, 81, 72-79.	2.6	277
35	Production of renewable phenolic resins by thermochemical conversion of biomass: A review. Renewable and Sustainable Energy Reviews, 2008, 12, 2092-2116.	8.2	450
36	The effect of lignin and inorganic species in biomass on pyrolysis oil yields, quality and stability. Fuel, 2008, 87, 1230-1240.	3.4	477

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37	The production of biofuels and renewable chemicals by fast pyrolysis of biomass. International Journal of Global Energy Issues, 2007, 27, 160.	0.2	92
38	Influence of particle size on the analytical and chemical properties of two energy crops. Fuel, 2007, 86, 60-72.	3.4	192
39	CFB air-blown flash pyrolysis. Part I: Engineering design and cold model performance. Fuel, 2007, 86, 1372-1386.	3.4	37
40	The effect of alkali metals on combustion and pyrolysis of Lolium and Festuca grasses, switchgrass and willow. Fuel, 2007, 86, 1560-1569.	3.4	337
41	Prediction of Klason lignin and lignin thermal degradation products by Pyâ€“GC/MS in a collection of Lolium and Festuca grasses. Journal of Analytical and Applied Pyrolysis, 2007, 80, 16-23.	2.6	92
42	Opportunities for biomass-derived â€œbio-oilâ€•in European heat and power markets. Energy Policy, 2006, 34, 2871-2880.	4.2	81
43	Development of emulsions from biomass pyrolysis liquid and diesel and their use in enginesâ€”Part 1 : emulsion production. Biomass and Bioenergy, 2003, 25, 85-99.	2.9	239
44	Development of emulsions from biomass pyrolysis liquid and diesel and their use in enginesâ€”Part 2: tests in diesel engines. Biomass and Bioenergy, 2003, 25, 101-111.	2.9	186
45	Renewable fuels and chemicals by thermal processing of biomass. Chemical Engineering Journal, 2003, 91, 87-102.	6.6	1,538
46	A techno-economic comparison of power production by biomass fast pyrolysis with gasification and combustion. Renewable and Sustainable Energy Reviews, 2002, 6, 181-246.	8.2	482
47	Fast pyrolysis processes for biomass. Renewable and Sustainable Energy Reviews, 2000, 4, 1-73.	8.2	1,452
48	Principles and practice of biomass fast pyrolysis processes for liquids. Journal of Analytical and Applied Pyrolysis, 1999, 51, 3-22.	2.6	644
49	Drying technologies for an integrated gasification bio-energy plant. Renewable and Sustainable Energy Reviews, 1999, 3, 243-289.	8.2	86
50	An overview of fast pyrolysis of biomass. Organic Geochemistry, 1999, 30, 1479-1493.	0.9	1,434
51	Production of high grade fuels and chemicals from catalytic pyrolysis of biomass. Catalysis Today, 1996, 29, 285-295.	2.2	326
52	MARKET OPPORTUNITIES FOR FAST PYROLYSIS IN ELECTRICITY GENERATION. , 1996, , 1997-2002.		2
53	The technical and economic feasibility of biomass gasification for power generation. Fuel, 1995, 74, 631-653.	3.4	851
54	Technoeconomic assessment of biomass to energy. Biomass and Bioenergy, 1995, 9, 205-226.	2.9	80

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55	The nature and control of solid, liquid and gaseous emissions from the thermochemical processing of biomass. Biomass and Bioenergy, 1995, 9, 325-341.	2.9	23
56	Techno-economic modelling of biomass flash pyrolysis and upgrading systems. Biomass and Bioenergy, 1994, 7, 267-273.	2.9	57
57	Catalysis in thermal biomass conversion. Applied Catalysis A: General, 1994, 116, 5-47.	2.2	404
58	Ablative plate pyrolysis of biomass for liquids. Biomass and Bioenergy, 1994, 7, 147-154.	2.9	79
59	The opportunities for electricity production from biomass by advanced thermal conversion technologies. Biomass and Bioenergy, 1993, 4, 339-345.	2.9	23