

Wolfgang Stelte

List of Publications by Year in descending order

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21
papers

2,054
citations

361045

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713013

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21
all docs

21
docs citations

21
times ranked

1997
citing authors

#	ARTICLE	IF	CITATIONS
1	Coir Fibers as Valuable Raw Material for Biofuel Pellet Production. Waste and Biomass Valorization, 2019, 10, 3535-3543.	1.8	19
2	Determination of off-gassing and self-heating potential of wood pellets â€“ Method comparison and correlation analysis. Fuel, 2018, 234, 894-903.	3.4	24
3	Cross-Linked Amylose Bio-Plastic: A Transgenic-Based Compostable Plastic Alternative. International Journal of Molecular Sciences, 2017, 18, 2075.	1.8	36
4	SEMI-CONTINUOUS ANAEROBIC CO-DIGESTION OF COW MANURE AND BANANA WASTE: EFFECTS OF MIXTURE RATIO. Applied Ecology and Environmental Research, 2016, 14, 337-349.	0.2	23
5	Process optimization of combined biomass torrefaction and pelletization for fuel pellet production â€“ A parametric study. Applied Energy, 2015, 140, 378-384.	5.1	81
6	Lab and Bench-Scale Pelletization of Torrefied Wood Chipsâ€”Process Optimization and Pellet Quality. Bioenergy Research, 2014, 7, 87-94.	2.2	55
7	Kinetic model for torrefaction of wood chips in a pilot-scale continuous reactor. Journal of Analytical and Applied Pyrolysis, 2014, 108, 109-116.	2.6	49
8	The influence of partial oxidation mechanisms on tar destruction in TwoStage biomass gasification. Fuel, 2013, 112, 662-680.	3.4	60
9	Pelletizing properties of torrefied wheat straw. Biomass and Bioenergy, 2013, 49, 214-221.	2.9	59
10	Reprint of: Pelletizing properties of torrefied wheat straw. Biomass and Bioenergy, 2013, 53, 105-112.	2.9	35
11	Recent developments in biomass pelletization â€“ A review. BioResources, 2012, 7, 4451-4490.	0.5	143
12	Fuel Pellets from Wheat Straw: The Effect of Lignin Glass Transition and Surface Waxes on Pelletizing Properties. Bioenergy Research, 2012, 5, 450-458.	2.2	95
13	Quality effects caused by torrefaction of pellets made from Scots pine. Fuel Processing Technology, 2012, 101, 23-28.	3.7	86
14	Changes of chemical and mechanical behavior of torrefied wheat straw. Biomass and Bioenergy, 2012, 40, 63-70.	2.9	135
15	Recent developments in biomass pelletization â€“ A review. BioResources, 2012, 7, 4451-4490.	0.5	146
16	Optimization of a Multiparameter Model for Biomass Pelletization to Investigate Temperature Dependence and to Facilitate Fast Testing of Pelletization Behavior. Energy & Fuels, 2011, 25, 3706-3711.	2.5	27
17	Thermal transitions of the amorphous polymers in wheat straw. Industrial Crops and Products, 2011, 34, 1053-1056.	2.5	72
18	Fuel pellets from biomass: The importance of the pelletizing pressure and its dependency on the processing conditions. Fuel, 2011, 90, 3285-3290.	3.4	189

#	ARTICLE	IF	CITATIONS
19	Pelletizing properties of torrefied spruce. Biomass and Bioenergy, 2011, 35, 4690-4698.	2.9	159
20	A study of bonding and failure mechanisms in fuel pellets from different biomass resources. Biomass and Bioenergy, 2011, 35, 910-918.	2.9	284
21	Preparation and Characterization of Cellulose Nanofibers from Two Commercial Hardwood and Softwood Pulps. Industrial & Engineering Chemistry Research, 2009, 48, 11211-11219.	1.8	277