Maria Zevenhoven

List of Publications by Year
in descending order

35	1,735	331670 21	477307 29
papers	citations	h-index	g-index

36	36	36	1372
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Corrosion of Heat Transfer Materials by Potassium-Contaminated Ilmenite Bed Particles in Chemical-Looping Combustion of Biomass. Energies, 2022, 15, 2740.	3.1	5
2	On-line microcolumn-based dynamic leaching method for investigation of lead bioaccessibility in shooting range soils. Chemosphere, 2020, 256, 127022.	8.2	18
3	Potassium Ash Interactions with Oxygen Carriers Steel Converter Slag and Iron Mill Scale in Chemical-Looping Combustion of Biomassâ€"Experimental Evaluation Using Model Compounds. Energy & Fuels, 2020, 34, 2304-2314.	5.1	34
4	Understanding the Interaction of Potassium Salts with an Ilmenite Oxygen Carrier Under Dry and Wet Conditions. ACS Omega, 2020, 5, 22966-22977.	3.5	23
5	Characterization of Vinasse for Thermochemical Conversionâ€"Fuel Fractionation, Release of Inorganics, and Ash-Melting Behavior. Energy & Fuels, 2019, 33, 5840-5848.	5.1	8
6	Defluidization of the oxygen carrier ilmenite â€“ Laboratory experiments with potassium salts. Energy, 2018, 148, 930-940.	8.8	38
7	Potential for thermochemical conversion of biomass residues from the integrated sugar-ethanol process â€“ Fate of ash and ash-forming elements. Bioresource Technology, 2017, 234, 188-197.	9.6	18
8	Combustion Behavior of Algal Biomass: Carbon Release, Nitrogen Release, and Char Reactivity. Energy & Fuels, 2014, 28, 41-51.	5.1	43
9	Algal Biomass: Occurrence of the Main Inorganic Elements and Simulation of Ash Interactions with Bed Material. Energy & Fuels, 2014, 28, 4622-4632.	5.1	30
10	Mass transfer limitation in thermogravimetry of biomass gasification. Journal of Thermal Analysis and Calorimetry, 2013, 111, 183-192.	3.6	40
11	Ash-Forming Matter in Torrefied Birch Wood: Changes in Chemical Association. Energy & Fuels, 2013, 27, 5684-5690.	5.1	64
12	Elucidation of associations of ash-forming matter in woody biomass residues using on-line chemical fractionation. Fuel, 2013, 107, 192-201.	6.4	3
13	The fate of chlorine, sulfur, and potassium during co-combustion of bark, sludge, and solid recovered fuel in an industrial scale BFB boiler. Fuel Processing Technology, 2013, 105, 59-68.	7.2	50
14	Residues from the production of biofuels for transportation: Characterization and ash sintering tendency. Fuel Processing Technology, 2013, 105, 37-45.	7.2	31
15	Fluidized-Bed Combustion of Mixtures of Rapeseed Cake and Bark: The Resulting Bed Agglomeration Characteristics. Energy & Fuels, 2012, 26, 2028-2037.	5.1	43
16	Characterization of Ash-Forming Matter in Various Solid Fuels by Selective Leaching and Its Implications for Fluidized-Bed Combustion. Energy & Fuels, 2012, 26, 6366-6386.	5.1	164
17	Automatic dynamic chemical fractionation method with detection by plasma spectrometry for advanced characterization of solid biofuels. Journal of Analytical Atomic Spectrometry, 2012, 27, 841.	3.0	14
18	Chemical forms of ash-forming elements in woody biomass fuels. Fuel, 2010, 89, 481-493.	6.4	216

#	Article	IF	Citations
19	CFD Based Ash Deposition Prediction in a BFBC Firing Mixtures of Peat and Forest Residue. Journal of Energy Resources Technology, Transactions of the ASME, 2010, 132, .	2.3	11
20	Fate of Alkali Metals and Phosphorus of Rapeseed Cake in Circulating Fluidized Bed Boiler Part 2: Cocombustion with Coal. Energy & Fuels, 2010, 24, 4193-4205.	5.1	33
21	Combustion Characteristics of Biomass Residues and Biowastes: Fate of Fuel Nitrogen. Energy & Fuels, 2010, 24, 5309-5319.	5.1	44
22	Fate of Alkali Metals and Phosphorus of Rapeseed Cake in Circulating Fluidized Bed Boiler Part 1: Cocombustion with Wood. Energy & Fuels, 2010, 24, 333-345.	5.1	63
23	Co-Firing of Sewage Sludge with Bark in A Bench-Scale Bubbling Fluidized BED â€" A Study of Deposits and Emissions. , 2009, , 922-929.		4
24	Application of chemical fractionation methods for characterisation of biofuels, waste derived fuels and CFB co-combustion fly ashes. Fuel, 2008, 87, 3183-3193.	6.4	106
25	Bed Agglomeration Characteristics of Wood-Derived Fuels in FBC. Energy & Fuels, 2006, 20, 818-824.	5.1	63
26	Fouling tendency of ash resulting from burning mixtures of biofuels. Part 3. Influence of probe surface temperature. Fuel, 2006, 85, 2002-2011.	6.4	48
27	Fouling tendency of ash resulting from burning mixtures of biofuels. Part 2: Deposit chemistry. Fuel, 2006, 85, 1992-2001.	6.4	116
28	Chemical Forms of Ash-Forming Matter in Woody Fuels for FBC. , 2005, , 755.		1
29	The AËšbo Akademi Database: Fuel Characterization. , 2005, , 667.		7
30	Appearance of Trace Elements in Co-Firing Fuels. , 2005, , .		0
31	CFD Based Ash Deposition Prediction in a BFB Firing Mixtures of Peat and Forest Residue. , 2003, , 917.		2
32	Co-Firing in FBC: A Challenge for Fuel Characterization and Modeling. , 2003, , 849.		8
33	The ash chemistry in fluidised bed gasification of biomass fuels. Part II: Ash behaviour prediction versus bench scale agglomeration tests. Fuel, 2001, 80, 1503-1512.	6.4	57
34	The ash chemistry in fluidised bed gasification of biomass fuels. Part I: predicting the chemistry of melting ashes and ashâ€"bed material interaction. Fuel, 2001, 80, 1489-1502.	6.4	172
35	The prediction of behaviour of ashes from five different solid fuels in fluidised bed combustion. Fuel, 2000, 79, 1353-1361.	6.4	139