Bo Leckner

List of Publications by Year in Descending Order

36 papers	2,853 citations	21 h-index	37 g-index
37 ext. papers	3,173 ext. citations	6.5 avg, IF	5.61 L-index

#	Paper	IF	Citations
36	Fluid dynamic regimes in circulating fluidized bed boilers A mini-review. *Chemical Engineering Science*, **2022**, 247, 117089	4.4	1
35	Heat and mass transfer to/from active particles in a fluidized bed An analysis of the Baskakov-Palchonok correlation. *International Journal of Heat and Mass Transfer*, **2021**, 168, 120860	4.9	3
34	Combustion of municipal solid waste in fluidized bed or on grate - A comparison. *Waste Management*, **2020**, 109, 94-108	8.6	19
33	Modeling the transient response of a fluidized-bed biomass gasifier. *Fuel*, **2020**, 274, 117226	7.1	4
32	Mass transfer under segregation conditions in fluidized beds. *Fuel*, **2017**, 195, 105-112	7.1	8
31	Regimes of large-scale fluidized beds for solid fuel conversion. *Powder Technology*, **2017**, 308, 362-367	5.2	18
30	Developments in fluidized bed conversion of solid fuels. *Thermal Science*, **2016**, 20, 1-18	1.2	15
29	Fluidized Bed Combustion **2016**,		1
28	A 1000 MWth boiler for chemical-looping combustion of solid fuels Discussion of design and costs. *Applied Energy*, **2015**, 157, 475-487	10.7	152
27	Process aspects in combustion and gasification Waste-to-Energy (WtE) units. *Waste Management*, **2015**, 37, 13-25	8.6	89
26	Estimation of gas composition and char conversion in a fluidized bed biomass gasifier. *Fuel*, **2013**, 107, 419-431	7.1	40
25	Atmospheric (non-circulating) fluidized bed (FB) combustion **2013**, 641-668		3
24	Conversion of Sulfur during Pulverized Oxy-coal Combustion. *Energy & Fuels*, **2011**, 25, 647-655	4.1	58
23	Reburning of Nitric Oxide in Oxy-Fuel Firing The Influence of Combustion Conditions. *Energy & Fuels*, **2011**, 25, 624-631	4.1	23
22	Gasification of Biomass and Waste **2010**, 365		2
21	Modeling of biomass gasification in fluidized bed. *Progress in Energy and Combustion Science*, **2010**, 36, 444-509	33.6	564
20	Properties of Particles in the Fly Ash of a Biofuel-Fired Circulating Fluidized Bed (CFB) Boiler. *Energy & Fuels*, **2008**, 22, 3005-3015	4.1	29

19	NO Emission during Oxy-Fuel Combustion of Lignite. *Industrial & Engineering Chemistry Research*, **2008**, 47, 1835-1845	3.9	101
18	Solids back-mixing in CFB boilers. *Chemical Engineering Science*, **2007**, 62, 561-573	4.4	38
17	Co-combustion: A summary of technology. *Thermal Science*, **2007**, 11, 5-40	1.2	72
16	Interaction between a Fluidized Bed and Its Air-Supply System: Some Observations. *Industrial & Engineering Chemistry Research*, **2004**, 43, 5730-5737	3.9	13
15	Optimization of emissions from fluidized bed combustion of coal, biofuel and waste. *International Journal of Energy Research*, **2002**, 26, 1191-1202	4.5	23
14	Estimation of Solids Mixing in a Fluidized-Bed Combustor. *Industrial & Engineering Chemistry Research*, **2002**, 41, 4663-4673	3.9	56
13	Pressure fluctuations in gas fluidized beds. *Thermal Science*, **2002**, 6, 3-11	1.2	5
12	A fluidized-bed combustion process with inherent CO2 separation; application of chemical-looping combustion. *Chemical Engineering Science*, **2001**, 56, 3101-3113	4.4	833
11	Composition of Volatile Gases and Thermochemical Properties of Wood for Modeling of Fixed or Fluidized Beds. *Energy & Fuels*, **2001**, 15, 1488-1497	4.1	158
10	Scale-up of Circulating Fluidized Bed Combustion. *Energy & Fuels*, **2000**, 14, 1286-1292	4.1	21
9	Fluidized bed combustion: Mixing and pollutant limitation. *Progress in Energy and Combustion Science*, **1998**, 24, 31-61	33.6	144
8	Mechanisms of N2O Formation from Char Combustion. *Energy & Fuels*, **1996**, 10, 203-208	4.1	35
7	Modeling N2O Reduction and Decomposition in a Circulating Fluidized Bed Boiler. *Energy & Fuels*, **1996**, 10, 970-979	4.1	28
6	Bottom bed regimes in a circulating fluidized bed boiler. *International Journal of Multiphase Flow*, **1996**, 22, 1187-1204	3.6	74
5	Operation control of circulating fluidized bed boilers. *International Journal of Energy Research*, **1996** , 20, 839-851	4.5	3
4	Gaseous emissions from circulating fluidized bed combustion of wood. *Biomass and Bioenergy*, **1993** , 4, 379-389	5.3	93
3	Dependence of Sulphur Capture Performance on Air Staging in a 12 MW Circulating Fluidised Bed Boiler **1993**, 470-491		10
2	Optimization of emissions from fluidized bed boilers. *International Journal of Energy Research*, **1992** , 16, 351-363	4.5	13

1 Expansion of a freely bubbling fluidized bed. *Powder Technology*, **1991**, 68, 117-123 5.2 104