

Bo Leckner

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A fluidized-bed combustion process with inherent CO ₂ separation; application of chemical-looping combustion. <i>Chemical Engineering Science</i> , 2001 , 56, 3101-3113	4.4	833
35	Modeling of biomass gasification in fluidized bed. <i>Progress in Energy and Combustion Science</i> , 2010 , 36, 444-509	33.6	564
34	Composition of Volatile Gases and Thermochemical Properties of Wood for Modeling of Fixed or Fluidized Beds. <i>Energy & Fuels</i> , 2001 , 15, 1488-1497	4.1	158
33	A 1000 MWth boiler for chemical-looping combustion of solid fuels Discussion of design and costs. <i>Applied Energy</i> , 2015 , 157, 475-487	10.7	152
32	Fluidized bed combustion: Mixing and pollutant limitation. <i>Progress in Energy and Combustion Science</i> , 1998 , 24, 31-61	33.6	144
31	Expansion of a freely bubbling fluidized bed. <i>Powder Technology</i> , 1991 , 68, 117-123	5.2	104
30	NO Emission during Oxy-Fuel Combustion of Lignite. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 1835-1845	3.9	101
29	Gaseous emissions from circulating fluidized bed combustion of wood. <i>Biomass and Bioenergy</i> , 1993 , 4, 379-389	5.3	93
28	Process aspects in combustion and gasification Waste-to-Energy (WtE) units. <i>Waste Management</i> , 2015 , 37, 13-25	8.6	89
27	Bottom bed regimes in a circulating fluidized bed boiler. <i>International Journal of Multiphase Flow</i> , 1996 , 22, 1187-1204	3.6	74
26	Co-combustion: A summary of technology. <i>Thermal Science</i> , 2007 , 11, 5-40	1.2	72
25	Conversion of Sulfur during Pulverized Oxy-coal Combustion. <i>Energy & Fuels</i> , 2011 , 25, 647-655	4.1	58
24	Estimation of Solids Mixing in a Fluidized-Bed Combustor. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 4663-4673	3.9	56
23	Estimation of gas composition and char conversion in a fluidized bed biomass gasifier. <i>Fuel</i> , 2013 , 107, 419-431	7.1	40
22	Solids back-mixing in CFB boilers. <i>Chemical Engineering Science</i> , 2007 , 62, 561-573	4.4	38
21	Mechanisms of N ₂ O Formation from Char Combustion. <i>Energy & Fuels</i> , 1996 , 10, 203-208	4.1	35
20	Properties of Particles in the Fly Ash of a Biofuel-Fired Circulating Fluidized Bed (CFB) Boiler. <i>Energy & Fuels</i> , 2008 , 22, 3005-3015	4.1	29

19	Modeling N ₂ O Reduction and Decomposition in a Circulating Fluidized Bed Boiler. <i>Energy & Fuels</i> , 1996 , 10, 970-979	4.1	28
18	Reburning of Nitric Oxide in Oxy-Fuel Firing—The Influence of Combustion Conditions. <i>Energy & Fuels</i> , 2011 , 25, 624-631	4.1	23
17	Optimization of emissions from fluidized bed combustion of coal, biofuel and waste. <i>International Journal of Energy Research</i> , 2002 , 26, 1191-1202	4.5	23
16	Scale-up of Circulating Fluidized Bed Combustion. <i>Energy & Fuels</i> , 2000 , 14, 1286-1292	4.1	21
15	Combustion of municipal solid waste in fluidized bed or on grate - A comparison. <i>Waste Management</i> , 2020 , 109, 94-108	8.6	19
14	Regimes of large-scale fluidized beds for solid fuel conversion. <i>Powder Technology</i> , 2017 , 308, 362-367	5.2	18
13	Developments in fluidized bed conversion of solid fuels. <i>Thermal Science</i> , 2016 , 20, 1-18	1.2	15
12	Interaction between a Fluidized Bed and Its Air-Supply System: Some Observations. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 5730-5737	3.9	13
11	Optimization of emissions from fluidized bed boilers. <i>International Journal of Energy Research</i> , 1992 , 16, 351-363	4.5	13
10	Dependence of Sulphur Capture Performance on Air Staging in a 12 MW Circulating Fluidised Bed Boiler 1993 , 470-491		10
9	Mass transfer under segregation conditions in fluidized beds. <i>Fuel</i> , 2017 , 195, 105-112	7.1	8
8	Pressure fluctuations in gas fluidized beds. <i>Thermal Science</i> , 2002 , 6, 3-11	1.2	5
7	Modeling the transient response of a fluidized-bed biomass gasifier. <i>Fuel</i> , 2020 , 274, 117226	7.1	4
6	Atmospheric (non-circulating) fluidized bed (FB) combustion 2013 , 641-668		3
5	Operation control of circulating fluidized bed boilers. <i>International Journal of Energy Research</i> , 1996 , 20, 839-851	4.5	3
4	Heat and mass transfer to/from active particles in a fluidized bed—An analysis of the Baskakov-Palchonok correlation. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 168, 120860	4.9	3
3	Gasification of Biomass and Waste 2010 , 365		2
2	Fluidized Bed Combustion 2016 ,		1

- 1 Fluid dynamic regimes in circulating fluidized bed boilers – A mini-review. *Chemical Engineering Science*, **2022**, 247, 117089 4.4 1