

Alkali Salt Ash Formation in Four Finnish Industrial Rec

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Coarse ash particle characteristics in a pulp and paper industry chemical recovery boiler. <i>Fuel</i> , 2001, 80, 987-999.	3.4	15
2	Combustion behaviour of rice husk in a bubbling fluidised bed. <i>Biomass and Bioenergy</i> , 2002, 23, 171-179.	2.9	216
3	Modelling alkali chloride superheater deposition and its implications. <i>Fuel Processing Technology</i> , 2003, 80, 225-262.	3.7	39
4	Electrostatic Precipitator Performance and Trace Element Emissions from Two Kraft Recovery Boilers. <i>Environmental Science & Technology</i> , 2006, 40, 584-589.	4.6	8
5	Cost-effective reduction of fine primary particulate matter emissions in Finland. <i>Environmental Research Letters</i> , 2007, 2, 044002.	2.2	8
6	Directions for Combustion Engine Aerosol Measurement in the 21st Century. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 1165-1176.	0.9	8
7	Measurement System for Characterization of Gas and Particle Phase of High Temperature Combustion Aerosols. <i>Aerosol Science and Technology</i> , 2010, 44, 1-9.	1.5	39
8	Behavior of Alkali Metal Aerosol in a High-Temperature Porous Tube Sampling Probe. <i>Aerosol Science and Technology</i> , 2012, 46, 1151-1162.	1.5	21
9	Emissions of Heavy Metals during Fixed-Bed Combustion of Six Biomass Fuels. <i>Energy & Fuels</i> , 2013, 27, 1073-1080.	2.5	35
10	Numerical modeling of fine particle and deposit formation in a recovery boiler. <i>Fuel</i> , 2014, 129, 45-53.	3.4	48
12	2D dynamic mesh model for deposit shape prediction in boiler banks of recovery boilers with different tube spacing arrangements. <i>Fuel</i> , 2015, 158, 139-151.	3.4	49
13	Unsteady CFD analysis of kraft recovery boiler fly-ash trajectories, sticking efficiencies and deposition rates with a mechanistic particle rebound-stick model. <i>Fuel</i> , 2016, 181, 408-420.	3.4	32
14	Fouling growth modeling of kraft recovery boiler fume ash deposits with dynamic meshes and a mechanistic sticking approach. <i>Fuel</i> , 2016, 185, 872-885.	3.4	35
15	Separation, treatment and utilization of inorganic residues of chemical pulp mills. <i>Journal of Cleaner Production</i> , 2016, 133, 953-964.	4.6	47
16	Study of aerosol behaviour in filmwise condensation processes with the presence of inert gas. <i>International Journal of Heat and Mass Transfer</i> , 2016, 93, 1059-1071.	2.5	2
17	Environmental Issues and Challenges. , 2017, , 221-230.		0
18	Computational fluid dynamics modeling and experimental validation of heat transfer and fluid flow in the recovery boiler superheater region. <i>Applied Thermal Engineering</i> , 2018, 139, 222-238.	3.0	20
19	Optimizing the heat transfer performance of the recovery boiler superheaters using simulated annealing, surrogate modeling, and computational fluid dynamics. <i>Energy</i> , 2018, 160, 361-377.	4.5	24

#	ARTICLE	IF	CITATIONS
20	Modeling fine particles and alkali metal compound behavior in a kraft recovery boiler. Tappi Journal, 2012, 11, 9-14.	0.2	3
21	Improving recovery boiler availability through understanding fume behavior. Tappi Journal, 2016, 15, 187-193.	0.2	3
24	Optimizing ash deposit removal system to maximize biomass recycling as renewable energy for CO2 reduction. Renewable Energy, 2022, 190, 1006-1017.	4.3	11
25	Reinforcement learning-based optimal operation of ash deposit removal system to improve recycling efficiency of biomass for CO2 reduction. Journal of Cleaner Production, 2022, 370, 133605.	4.6	3
26	Changes in chlorine content over time – Probe deposit sampling in a Finnish kraft recovery boiler. Fuel, 2023, 340, 127599.	3.4	1