Kim Dam-Johansen

List of Publications by Year
in descending order

56	2,591	567144 15	189801 50
papers	citations	h-index	g-index

56	56	56	3029
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antifouling technologyâ€"past, present and future steps towards efficient and environmentally friendly antifouling coatings. Progress in Organic Coatings, 2004, 50, 75-104.	1.9	1,787
2	Release and Transformation of Inorganic Elements in Combustion of a High-Phosphorus Fuel. Energy & Fuels, 2011, 25, 2874-2886.	2.5	70
3	Co-combustion of pulverized coal and solid recovered fuel in an entrained flow reactor â€“ General combustion and ash behaviour. Fuel, 2011, 90, 1980-1991.	3.4	65
4	Influence of Biomass Chemical Properties on Torrefaction Characteristics. Energy & Fuels, 2013, 27, 7541-7548.	2.5	61
5	Influence of SO2 on the NON2O chemistry in fluidized bed combustion. Fuel, 1993, 72, 557-564.	3.4	48
6	Review: Circulation of Inorganic Elements in Combustion of Alternative Fuels in Cement Plants. Energy & Fuels, 2015, 29, 4076-4099.	2.5	39
7	CFD Modeling of Gasâ€"Solid Cyclone Separators at Ambient and Elevated Temperatures. Processes, 2020, 8, 228.	1.3	39
8	Acid-resistant organic coatings for the chemical industry: a review. Journal of Coatings Technology Research, 2017, 14, 279-306.	1.2	38
9	Interaction between emissions of sulfur dioxide and nitrogen oxides in fluidized bed combustion. Fuel, 1994, 73, 1202-1208.	3.4	33
10	Reactivity of sewage sludge, RDF, and straw chars towards NO. Fuel, 2019, 236, 297-305.	3.4	24
11	Interactions in NOX chemistry during fluidized bed co-combustion of residual biomass and sewage sludge. Fuel, 2021, 294, 120431.	3.4	24
12	A review of computer-aided design of paints and coatings. Current Opinion in Chemical Engineering, 2020, 27, 107-120.	3.8	19
13	Enhanced anticorrosion performance of zinc rich epoxy coatings modified with stainless steel flakes. Progress in Organic Coatings, 2022, 163, 106616.	1.9	19
14	Characterization of a Multistage Continuous MSMPR Crystallization Process Assisted by Image Analysis of Elongated Crystals. Crystal Growth and Design, 2018, 18, 6455-6469.	1.4	18
15	Experimental and modelling study on the influence of wood type, density, water content, and temperature on wood devolatilization. Fuel, 2020, 260, 116410.	3.4	18
16	Heat-Transfer-Corrected Isothermal Model for Devolatilization of Thermally Thick Biomass Particles. Energy & Fuels, 2020, 34, 9620-9631.	2.5	16
17	Importance of Mullins effect in commercial silicone elastomer formulations for soft robotics. Journal of Applied Polymer Science, 2021, 138, 50380.	1.3	16
18	Laboratory and gas-fired furnace performance tests of epoxy primers for intumescent coatings. Progress in Organic Coatings, 2014, 77, 1577-1584.	1.9	15

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19	Estimating Hansen solubility parameters of organic pigments by group contribution methods. Chinese Journal of Chemical Engineering, 2021, 31, 186-197.	1.7	15
20	Release of P from Pyrolysis, Combustion, and Gasification of Biomassâ€"A Model Compound Study. Energy & Fuels, 2021, 35, 15817-15830.	2.5	14
21	Imaging of Flames in Cement Kilns To Study the Influence of Different Fuel Types. Energy & Fuels, 2017, 31, 11424-11438.	2.5	12
22	Optimization of Grignard Addition to Esters: Kinetic and Mechanistic Study of Model Phthalide Using Flow Chemistry. Industrial & Engineering Chemistry Research, 2018, 57, 4859-4866.	1.8	12
23	Comparison of an industrial- and a laboratory-scale furnace for analysis of hydrocarbon intumescent coating performance. Journal of Fire Sciences, 2020, 38, 309-329.	0.9	12
24	Sulfur Release from Cement Raw Materials during Solid Fuel Combustion. Energy & Fuels, 2011, 25, 3917-3924.	2.5	11
25	Formation of NO and N₂O during Raw and Demineralized Biomass Char Combustion. Energy & Fuels, 2019, 33, 5304-5315.	2.5	11
26	A review of blasting waste generation and management in the ship repair industry. Journal of Environmental Management, 2021, 300, 113714.	3.8	11
27	Aerodynamic and Physical Characterization of Refuse Derived Fuel. Energy & Fuels, 2018, 32, 7685-7700.	2.5	10
28	Kinetic Parameters for Biomass under Self-Ignition Conditions: Low-Temperature Oxidation and Pyrolysis. Energy & Fuels, 2019, 33, 8606-8619.	2.5	10
29	Engineering model for intumescent coating behavior in a pilotâ€scale gasâ€fired furnace. AICHE Journal, 2016, 62, 3947-3962.	1.8	9
30	Continuous Crystallization with Gas Entrainment: Evaluating the Effect of a Moving Gas Phase in an MSMPR Crystallizer. Organic Process Research and Development, 2019, 23, 252-262.	1.3	9
31	Factors influencing mechanical long-term stability of condensation curing silicone elastomers. Journal of Polymer Research, 2020, 27, 1.	1.2	8
32	Characterization of Solid Residues from Entrained Flow Gasification of Coal Bio-Oil Slurry. Energy & Fuels, 2020, 34, 5900-5906.	2.5	8
33	Reliable Condensation Curing Silicone Elastomers with Tailorable Properties. Molecules, 2021, 26, 82.	1.7	8
34	A model-based solvent selection and design framework for organic coating formulations. Progress in Organic Coatings, 2020, 140, 105471.	1.9	7
35	Effect of gasification reactions on biomass char conversion under pulverized fuel combustion conditions. Proceedings of the Combustion Institute, 2021, 38, 3919-3928.	2.4	7
36	Performance of a Bench-Scale Fast Fluidized Bed Carbonator. Energy & Fuels, 2014, 28, 5259-5269.	2.5	6

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37	Interactions between calcium carbonate and ammonium polyphosphate in lowâ€borate concentration hydrocarbon intumescent coatings. Fire and Materials, 2022, 46, 499-512.	0.9	6
38	Methanol degradation mechanisms and permeability phenomena in novolac epoxy and polyurethane coatings. Journal of Coatings Technology Research, 2021, 18, 831-842.	1.2	6
39	Computer-aided design of formulated products. Current Opinion in Colloid and Interface Science, 2022, 57, 101536.	3.4	6
40	Electron microscope investigations of activated chalcopyrite particles via the FLSmidthÂ® ROL process. Journal of Materials Science, 2017, 52, 12044-12053.	1.7	5
41	CFD Simulation of Mixing and Segregation of Binary Solid Mixtures in a Dense Fluidized Bed. Canadian Journal of Chemical Engineering, 2020, 98, 412-420.	0.9	4
42	Simultaneous tracking of hardness, reactant conversion, solids concentration, and glass transition temperature in thermoset polyurethane coatings. Journal of Coatings Technology Research, 2021, 18, 349-359.	1.2	4
43	Degradation mechanisms of amine-cured epoxy novolac and bisphenol F resins under conditions of high pressures and high temperatures. Progress in Organic Coatings, 2021, 156, 106268.	1.9	4
44	Influence of CO₂ at HPHT Conditions on the Properties and Failures of an Amine-Cured Epoxy Novolac Coating. Industrial & Engineering Chemistry Research, 2021, 60, 14768-14778.	1.8	4
45	Marine biofouling resistance rating using image analysis. Journal of Coatings Technology Research, 2022, 19, 1127-1138.	1.2	4
46	Reactivity of Polysilazanes Allows Catalystâ€Free Curing of Silicones. Macromolecular Materials and Engineering, 2022, 307, .	1.7	4
47	Diffusion cell investigations into the acidic degradation of organic coatings. Journal of Coatings Technology Research, 2018, 15, 1201-1215.	1.2	3
48	Multifunctional Additives for NO_X Abatement in Fluidized Bed Biomass Combustion. Energy & Fuels, 2021, 35, 12367-12379.	2.5	3
49	Kinetics of the direct sulfation of limestone at the initial stage of crystal growth of the solid product. AICHE Journal, 2011, 57, 1607-1616.	1.8	2
50	Simultaneous acid exposure and erosive particle wear of thermoset coatings. Journal of Coatings Technology Research, 2018, 15, 457-469.	1.2	2
51	Rust creep assessmentâ€”A comparison between a destructive method according to ISO 12944 and selected non-destructive methods. Progress in Organic Coatings, 2021, 157, 106293.	1.9	2
52	Acceleration of Antiâ€Markovnikov Hydroamination in the Synthesis of an Active Pharmaceutical Ingredient. Chemical Engineering and Technology, 2016, 39, 1821-1827.	0.9	1
53	Experimental investigation of a draft tube spouted bed for effects of geometric parameters on operation. AIP Conference Proceedings, 2016, , .	0.3	1
54	Quantitative Characterization of Highly Porous Structures with Fluorescence Microscopy and Microcomputed Tomography. Industrial & Engineering Chemistry Research, 2021, 60, 5463-5470.	1.8	1

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55	Wet clay adhesion to antistick coatings: effects of binder type and surface roughness. Journal of Coatings Technology Research, 2020, 17, 69-79.	1.2	0
56	A char stratification approach to characterization and quantitative thermal insulation performance of hydrocarbon intumescent coatings. Journal of Coatings Technology Research, 0, , 1.	1.2	0