

Filip Johnsson

List of Publications by Year in descending order

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258
papers

11,646
citations

22153

59
h-index

40979

93
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262
all docs

262
docs citations

262
times ranked

8020
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of fluidization regimes by time-series analysis of pressure fluctuations. <i>International Journal of Multiphase Flow</i> , 2000, 26, 663-715.	3.4	382
2	Plug-in hybrid electric vehicles as regulating power providers: Case studies of Sweden and Germany. <i>Energy Policy</i> , 2010, 38, 2751-2762.	8.8	344
3	The threat to climate change mitigation posed by the abundance of fossil fuels. <i>Climate Policy</i> , 2019, 19, 258-274.	5.1	290
4	Time-series analysis of pressure fluctuations in gas-solid fluidized beds – A review. <i>International Journal of Multiphase Flow</i> , 2011, 37, 403-428.	3.4	268
5	Emission control of nitrogen oxides in the oxy-fuel process. <i>Progress in Energy and Combustion Science</i> , 2009, 35, 385-397.	31.2	248
6	Transportation systems for CO ₂ application to carbon capture and storage. <i>Energy Conversion and Management</i> , 2004, 45, 2343-2353.	9.2	199
7	Non-intrusive determination of bubble and slug length scales in fluidized beds by decomposition of the power spectral density of pressure time series. <i>International Journal of Multiphase Flow</i> , 2002, 28, 865-880.	3.4	190
8	Account for variations in the H ₂ O to CO ₂ molar ratio when modelling gaseous radiative heat transfer with the weighted-sum-of-grey-gases model. <i>Combustion and Flame</i> , 2011, 158, 893-901.	5.2	188
9	Building-stock aggregation through archetype buildings: France, Germany, Spain and the UK. <i>Building and Environment</i> , 2014, 81, 270-282.	6.9	181
10	Composition of Volatile Gases and Thermochemical Properties of Wood for Modeling of Fixed or Fluidized Beds. <i>Energy & Fuels</i> , 2001, 15, 1488-1497.	5.1	179
11	Radial voidage profiles in fast fluidized beds of different diameters. <i>Chemical Engineering Science</i> , 1991, 46, 3045-3052.	3.8	150
12	Digital image analysis of hydrodynamics two-dimensional bubbling fluidized beds. <i>Chemical Engineering Science</i> , 2004, 59, 2607-2617.	3.8	141
13	Combustion of wood particles – a particle model for eulerian calculations. <i>Combustion and Flame</i> , 2002, 129, 30-46.	5.2	138
14	Flame and radiation characteristics of gas-fired O ₂ /CO ₂ combustion. <i>Fuel</i> , 2007, 86, 656-668.	6.4	137
15	Solar photovoltaic-battery systems in Swedish households – Self-consumption and self-sufficiency. <i>Applied Energy</i> , 2016, 183, 148-159.	10.1	132
16	Co-firing biomass with coal for electricity generation – An assessment of the potential in EU27. <i>Energy Policy</i> , 2009, 37, 1444-1455.	8.8	129
17	Energy usage and technical potential for energy saving measures in the Swedish residential building stock. <i>Energy Policy</i> , 2013, 55, 404-414.	8.8	129
18	Thermal energy storage in district heating: Centralised storage vs. storage in thermal inertia of buildings. <i>Energy Conversion and Management</i> , 2018, 162, 26-38.	9.2	125

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19	Expansion of a freely bubbling fluidized bed. Powder Technology, 1991, 68, 117-123.	4.2	119
20	Characterization of fluid dynamics of fluidized beds by analysis of pressure fluctuations. Progress in Energy and Combustion Science, 2007, 33, 453-496.	31.2	115
21	Fluidization regimes in non-slugging fluidized beds: the influence of pressure drop across the air distributor. Powder Technology, 1996, 86, 299-312.	4.2	114
22	Resources and future supply of oil. Energy Policy, 2009, 37, 441-464.	8.8	114
23	NO Emission during Oxy-Fuel Combustion of Lignite. Industrial & Engineering Chemistry Research, 2008, 47, 1835-1845.	3.7	112
24	A modelling strategy for energy, carbon, and cost assessments of building stocks. Energy and Buildings, 2013, 56, 100-108.	6.7	112
25	Process evaluation of an 865MWe lignite fired O ₂ /CO ₂ power plant. Energy Conversion and Management, 2006, 47, 3487-3498.	9.2	107
26	Integration of plug-in hybrid electric vehicles in a regional wind-thermal power system. Energy Policy, 2010, 38, 5482-5492.	8.8	107
27	Radiation intensity of lignite-fired oxy-fuel flames. Experimental Thermal and Fluid Science, 2008, 33, 67-76.	2.7	105
28	American Exceptionalism? Similarities and Differences in National Attitudes Toward Energy Policy and Global Warming. Environmental Science & Technology, 2006, 40, 2093-2098.	10.0	104
29	The marginal system LCOE of variable renewables – Evaluating high penetration levels of wind and solar in Europe. Energy, 2018, 152, 914-924.	8.8	100
30	High-temperature reduction of nitrogen oxides in oxy-fuel combustion. Fuel, 2008, 87, 3579-3585.	6.4	98
31	Radiation Intensity of Propane-Fired Oxy-Fuel Flames: Implications for Soot Formation. Energy & Fuels, 2008, 22, 1535-1541.	5.1	95
32	Public attitudes to climate change and carbon mitigation – Implications for energy-associated behaviours. Energy Policy, 2013, 57, 182-193.	8.8	94
33	A differentiated description of building-stocks for a georeferenced urban bottom-up building-stock model. Energy and Buildings, 2016, 120, 78-84.	6.7	94
34	Combustion characteristics of lignite-fired oxy-fuel flames. Fuel, 2009, 88, 2216-2224.	6.4	93
35	Impacts of electric vehicles on the electricity generation portfolio – A Scandinavian-German case study. Applied Energy, 2019, 235, 1637-1650.	10.1	92
36	Macroscopic modelling of fluid dynamics in large-scale circulating fluidized beds. Progress in Energy and Combustion Science, 2006, 32, 539-569.	31.2	91

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37	SO ₃ Formation under Oxyfuel Combustion Conditions. Industrial & Engineering Chemistry Research, 2011, 50, 8505-8514.	3.7	90
38	The framing of a sustainable development goals assessment in decarbonizing the construction industry â€œ Avoiding â€œGreenwashingâ€. Renewable and Sustainable Energy Reviews, 2020, 131, 110029.	16.4	90
39	A novel technique for particle tracking in cold 2-dimensional fluidized bedsâ€”simulating fuel dispersion. Chemical Engineering Science, 2006, 61, 2710-2720.	3.8	89
40	Fluidization regimes and transitions from fixed bed to dilute transport flow. Powder Technology, 1998, 95, 185-204.	4.2	86
41	Material constraints for concentrating solar thermal power. Energy, 2012, 44, 944-954.	8.8	86
42	Fluid-dynamic boundary layers in CFB boilers. Chemical Engineering Science, 1995, 50, 201-210.	3.8	82
43	Bottom bed regimes in a circulating fluidized bed boiler. International Journal of Multiphase Flow, 1996, 22, 1187-1204.	3.4	82
44	Gas leakage measurements in a cold model of an interconnected fluidized bed for chemical-looping combustion. Powder Technology, 2003, 134, 210-217.	4.2	82
45	The fate of sulphur during oxy-fuel combustion of lignite. Energy Procedia, 2009, 1, 383-390.	1.8	81
46	Influence of particle and gas radiation in oxy-fuel combustion. International Journal of Heat and Mass Transfer, 2013, 65, 143-152.	4.8	80
47	Assessment of biomass energy sources and technologies: The case of Central America. Renewable and Sustainable Energy Reviews, 2016, 58, 1411-1431.	16.4	80
48	The European power plant infrastructureâ€”Presentation of the Chalmers energy infrastructure database with applications. Energy Policy, 2007, 35, 3643-3664.	8.8	77
49	Measurement and modeling of sulfur trioxide formation in a flow reactor under post-flame conditions. Combustion and Flame, 2013, 160, 1142-1151.	5.2	75
50	Reaching net-zero carbon emissions in construction supply chains â€œ Analysis of a Swedish road construction project. Renewable and Sustainable Energy Reviews, 2020, 120, 109651.	16.4	74
51	Measurements of local solids volume-fraction in fluidized bed boilers. Powder Technology, 2001, 115, 13-26.	4.2	73
52	Numerical simulation of the fluid dynamics of a freely bubbling fluidized bed: influence of the air supply system. Powder Technology, 2002, 122, 69-82.	4.2	73
53	Estimation of Solids Mixing in a Fluidized-Bed Combustor. Industrial & Engineering Chemistry Research, 2002, 41, 4663-4673.	3.7	70
54	How to decarbonize the transport sector?. Energy Policy, 2013, 61, 562-573.	8.8	69

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55	Lateral fuel dispersion in a large-scale bubbling fluidized bed. <i>Chemical Engineering Science</i> , 2012, 74, 148-159.	3.8	67
56	Linkages between demand-side management and congestion in the European electricity transmission system. <i>Energy</i> , 2014, 69, 860-872.	8.8	67
57	Conversion of Sulfur during Pulverized Oxy-coal Combustion. <i>Energy & Fuels</i> , 2011, 25, 647-655.	5.1	66
58	Exploring the competitiveness of hydrogen-fueled gas turbines in future energy systems. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 624-644.	7.1	64
59	Dispatch modeling of a regional power generation system – Integrating wind power. <i>Renewable Energy</i> , 2009, 34, 1040-1049.	8.9	63
60	Well-to-wheel analysis of bio-methane via gasification, in heavy duty engines within the transport sector of the European Union. <i>Applied Energy</i> , 2016, 170, 445-454.	10.1	63
61	Strategies for 2nd generation biofuels in EU – Co-firing to stimulate feedstock supply development and process integration to improve energy efficiency and economic competitiveness. <i>Biomass and Bioenergy</i> , 2010, 34, 227-236.	5.7	62
62	Investment costs and CO ₂ reduction potential of carbon capture from industrial plants – A Swedish case study. <i>International Journal of Greenhouse Gas Control</i> , 2018, 76, 111-124.	4.6	60
63	Impact of electricity price fluctuations on the operation of district heating systems: A case study of district heating in Gästeborg, Sweden. <i>Applied Energy</i> , 2017, 204, 16-30.	10.1	59
64	Improving the flexibility of coal-fired power generators: Impact on the composition of a cost-optimal electricity system. <i>Applied Energy</i> , 2018, 209, 277-289.	10.1	58
65	Evaluation of SO ₃ Measurement Techniques in Air and Oxy-Fuel Combustion. <i>Energy & Fuels</i> , 2012, 26, 5537-5549.	5.1	57
66	Heat requirement for regeneration of aqueous ammonia in post-combustion carbon dioxide capture. <i>International Journal of Greenhouse Gas Control</i> , 2012, 11, 181-187.	4.6	56
67	Ship transport – A low cost and low risk CO ₂ transport option in the Nordic countries. <i>International Journal of Greenhouse Gas Control</i> , 2016, 54, 168-184.	4.6	55
68	Gas mixing in circulating fluidised-bed risers. <i>Chemical Engineering Science</i> , 2000, 55, 129-148.	3.8	53
69	Time-frequency investigation of different modes of bubble flow in a gas-solid fluidized bed. <i>Chemical Engineering Journal</i> , 2006, 121, 27-35.	12.7	52
70	Assessment of strategies for CO ₂ abatement in the European petroleum refining industry. <i>Energy</i> , 2012, 42, 375-386.	8.8	52
71	The effect of improved efficiency on energy savings in EU-27 buildings. <i>Energy</i> , 2013, 57, 134-148.	8.8	51
72	Improved syngas processing for enhanced Bio-SNG production: A techno-economic assessment. <i>Energy</i> , 2016, 101, 380-389.	8.8	50

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73	Smart electric vehicle charging strategies for sectoral coupling in a city energy system. <i>Applied Energy</i> , 2021, 288, 116640.	10.1	50
74	Applying a science-based systems perspective to dispel misconceptions about climate effects of forest bioenergy. <i>GCB Bioenergy</i> , 2021, 13, 1210-1231.	5.6	49
75	Biomass co-firing potentials for electricity generation in Poland – Matching supply and co-firing opportunities. <i>Biomass and Bioenergy</i> , 2008, 32, 865-879.	5.7	47
76	Stakeholder attitudes on Carbon Capture and Storage – An international comparison. <i>International Journal of Greenhouse Gas Control</i> , 2010, 4, 410-418.	4.6	47
77	Energy efficiency policies for space heating in EU countries: A panel data analysis for the period 1990–2010. <i>Applied Energy</i> , 2015, 150, 211-223.	10.1	46
78	Experimental characterization of axial fuel mixing in fluidized beds by magnetic particle tracking. <i>Powder Technology</i> , 2017, 316, 492-499.	4.2	46
79	Impact of thermal plant cycling on the cost-optimal composition of a regional electricity generation system. <i>Applied Energy</i> , 2017, 197, 230-240.	10.1	46
80	Demonstrating load-change transient performance of a commercial-scale natural gas combined cycle power plant with post-combustion CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2017, 63, 158-174.	4.6	46
81	Biomass mixing in a fluidized bed biomass gasifier for hydrogen production. <i>Chemical Engineering Science</i> , 2007, 62, 636-643.	3.8	45
82	Solids back-mixing in CFB boilers. <i>Chemical Engineering Science</i> , 2007, 62, 561-573.	3.8	45
83	Highly efficient electricity generation from biomass by integration and hybridization with combined cycle gas turbine (CCGT) plants for natural gas. <i>Energy</i> , 2010, 35, 4042-4052.	8.8	45
84	The Rate of CO ₂ Absorption in Ammonia – Implications on Absorber Design. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6750-6758.	3.7	45
85	Influence of Operating Conditions on SO ₃ Formation during Air and Oxy-Fuel Combustion. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 9483-9491.	3.7	43
86	Computational Fluid Dynamics Modeling of Oxy-Fuel Flames: The Role of Soot and Gas Radiation. <i>Energy & Fuels</i> , 2012, 26, 2786-2797.	5.1	43
87	CO ₂ emissions abatement in the Nordic carbon-intensive industry – An end-game in sight?. <i>Energy</i> , 2015, 80, 715-730.	8.8	43
88	Modeling the Nitrogen and Sulfur Chemistry in Pressurized Flue Gas Systems. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1216-1227.	3.7	43
89	Value of wind power – Implications from specific power. <i>Energy</i> , 2017, 126, 352-360.	8.8	42
90	The effect of high levels of solar generation on congestion in the European electricity transmission grid. <i>Applied Energy</i> , 2017, 205, 1128-1140.	10.1	42

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91	Prospects of the European gas market. <i>Energy Policy</i> , 2007, 35, 869-888.	8.8	40
92	Pathways for the North European electricity supply. <i>Energy Policy</i> , 2009, 37, 1660-1677.	8.8	40
93	Pathways for the European electricity supply system to 2050 – The role of CCS to meet stringent CO ₂ reduction targets. <i>International Journal of Greenhouse Gas Control</i> , 2010, 4, 327-340.	4.6	40
94	Contributions of building retrofitting in five member states to EU targets for energy savings. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 93, 759-774.	16.4	39
95	A Geospatial Comparison of Distributed Solar Heat and Power in Europe and the US. <i>PLoS ONE</i> , 2014, 9, e112442.	2.5	38
96	Large-scale implementation of electric road systems: Associated costs and the impact on CO ₂ emissions. <i>International Journal of Sustainable Transportation</i> , 2020, 14, 606-619.	4.1	38
97	Paying the full price of steel – Perspectives on the cost of reducing carbon dioxide emissions from the steel industry. <i>Energy Policy</i> , 2016, 98, 459-469.	8.8	37
98	A novel multigrid technique for Lagrangian modeling of fuel mixing in fluidized beds. <i>Chemical Engineering Science</i> , 2011, 66, 5628-5637.	3.8	36
99	Impacts of demand response from buildings and centralized thermal energy storage on district heating systems. <i>Sustainable Cities and Society</i> , 2021, 64, 102510.	10.4	36
100	Fluctuations and waves in fluidized bed systems: The influence of the air-supply system. <i>Powder Technology</i> , 2005, 153, 176-195.	4.2	35
101	Ramp-up of CO ₂ capture and storage within Europe. <i>International Journal of Greenhouse Gas Control</i> , 2008, 2, 417-438.	4.6	35
102	Perspectives on CO ₂ capture and storage. , 2011, 1, 119-133.		35
103	Measurement and Modeling of Particle Radiation in Coal Flames. <i>Energy & Fuels</i> , 2014, 28, 2199-2210.	5.1	35
104	Cost-effective retrofitting of Swedish residential buildings: effects of energy price developments and discount rates. <i>Energy Efficiency</i> , 2015, 8, 223-237.	2.8	35
105	Demand response potential of electrical space heating in Swedish single-family dwellings. <i>Building and Environment</i> , 2016, 96, 270-282.	6.9	35
106	A comparison of variation management strategies for wind power integration in different electricity system contexts. <i>Wind Energy</i> , 2018, 21, 837-854.	4.2	34
107	Pressure and flow fluctuations in a fluidized bed – interaction with the air-feed system. <i>Chemical Engineering Science</i> , 2002, 57, 1379-1392.	3.8	32
108	Reburning in Oxy-Fuel Combustion: A Parametric Study of the Combustion Chemistry. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 9088-9094.	3.7	32

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109	Magnetic tracer-particle tracking in a fluid dynamically down-scaled bubbling fluidized bed. Fuel Processing Technology, 2015, 138, 368-377.	7.2	32
110	Experimental quantification of lateral mixing of fuels in fluid-dynamically down-scaled bubbling fluidized beds. Applied Energy, 2014, 136, 671-681.	10.1	31
111	Impact of electric vehicles on the cost-competitiveness of generation and storage technologies in the electricity system. Environmental Research Letters, 2019, 14, 124087.	5.2	31
112	Modeling of fuel mixing in fluidized bed combustors. Chemical Engineering Science, 2008, 63, 5663-5671.	3.8	30
113	Progress of Combustion in an Oxy-fuel Circulating Fluidized-Bed Furnace: Measurements and Modeling in a 4 MW_{th} Boiler. Energy & Fuels, 2013, 27, 6222-6230.	5.1	30
114	Experimental Evaluation and Field Application of a Salt Method for SO₃ Measurement in Flue Gases. Energy & Fuels, 2013, 27, 2767-2775.	5.1	30
115	Heat transfer in a 4â€“MWth circulating fluidized bed furnace operated under oxy-fired and air-fired conditions: Modeling and measurements. International Journal of Greenhouse Gas Control, 2015, 37, 264-273.	4.6	30
116	Reduced Mechanism for Nitrogen and Sulfur Chemistry in Pressurized Flue Gas Systems. Industrial & Engineering Chemistry Research, 2016, 55, 5514-5525.	3.7	30
117	Momentum probe and sampling probe for measurement of particle flow properties in CFB boilers. Chemical Engineering Science, 1997, 52, 497-509.	3.8	29
118	Modelling opportunities and costs associated with energy conservation in the Spanish building stock. Energy and Buildings, 2015, 88, 347-360.	6.7	29
119	The crucial role of frictional stress models for simulation of bubbling fluidized beds. Powder Technology, 2015, 270, 68-82.	4.2	29
120	Spacial and dynamic energy demand of the E39 highway â€“ Implications on electrification options. Applied Energy, 2017, 195, 681-692.	10.1	29
121	Flexible operation of a combined cycle cogeneration plant â€“ A techno-economic assessment. Applied Energy, 2020, 278, 115630.	10.1	29
122	Measuring fuel mixing under industrial fluidized-bed conditions â€“ A camera-probe based fuel tracking system. Applied Energy, 2016, 163, 304-312.	10.1	28
123	The BECCS Implementation Gapâ€“A Swedish Case Study. Frontiers in Energy Research, 2021, 8, .	2.3	28
124	Dual fibre optical probe measurements of solids volume fraction in a circulating fluidized bed. Powder Technology, 2005, 151, 19-26.	4.2	27
125	An economic assessment of distributed solar PV generation in Sweden from a consumer perspective â€“ The impact of demand response. Renewable Energy, 2017, 108, 169-178.	8.9	27
126	Magnetic tracking of a fuel particle in a fluid-dynamically down-scaled fluidised bed. Fuel Processing Technology, 2017, 162, 147-156.	7.2	27

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127	Conversion of large coal particles under O ₂ /N ₂ and O ₂ /CO ₂ atmospheres—Experiments and modeling. Fuel Processing Technology, 2013, 112, 118-128.	7.2	26
128	Modeling the Alkali Sulfation Chemistry of Biomass and Coal Co-firing in Oxy-fuel Atmospheres. Energy & Fuels, 2014, 28, 3486-3494.	5.1	26
129	Post-combustion CO ₂ capture applied to a state-of-the-art coal-fired power plant—The influence of dynamic process conditions. International Journal of Greenhouse Gas Control, 2015, 33, 51-62.	4.6	26
130	Combined heat and power operational modes for increased product flexibility in a waste incineration plant. Energy, 2020, 202, 117696.	8.8	26
131	Achieving net-zero carbon emissions in construction supply chains — A multidimensional analysis of residential building systems. Developments in the Built Environment, 2021, 8, 100059.	4.0	26
132	Fourier analysis of nonlinear pressure fluctuations in gas—solids flow in CFB risers—Observing solids structures and gas/particle turbulence. Chemical Engineering Science, 1999, 54, 5541-5546.	3.8	25
133	Postcombustion CO ₂ Capture Using Monoethanolamine and Ammonia Solvents: The Influence of CO ₂ Concentration on Technical Performance. Industrial & Engineering Chemistry Research, 2015, 54, 681-690.	3.7	25
134	Managing the costs of CO ₂ abatement in the cement industry. Climate Policy, 2017, 17, 781-800.	5.1	25
135	Hourly electricity demand from an electric road system — A Swedish case study. Applied Energy, 2018, 228, 141-148.	10.1	25
136	A techno-economic assessment of biomass co-firing in Czech Republic, France, Germany and Poland. Biofuels, Bioproducts and Biorefining, 2019, 13, 1289-1305.	3.7	25
137	Roadmap for Decarbonization of the Building and Construction Industry—A Supply Chain Analysis Including Primary Production of Steel and Cement. Energies, 2020, 13, 4136.	3.1	25
138	Characteristics of gas mixing in a circulating fluidised bed. Powder Technology, 2002, 126, 28-41.	4.2	24
139	Firing of coal and biomass and their mixtures in 50kW and 12MW circulating fluidized beds — Phenomenon study and comparison of scales. Fuel, 2007, 86, 2043-2051.	6.4	24
140	Exploring the limits for CO ₂ emission abatement in the EU power and industry sectors—Awaiting a breakthrough. Energy Policy, 2013, 59, 443-458.	8.8	24
141	Techno-economic evaluation of an ammonia-based post-combustion process integrated with a state-of-the-art coal-fired power plant. International Journal of Greenhouse Gas Control, 2014, 31, 87-95.	4.6	24
142	Excess heat-driven carbon capture at an integrated steel mill — Considerations for capture cost optimization. International Journal of Greenhouse Gas Control, 2019, 91, 102833.	4.6	24
143	Reburning of Nitric Oxide in Oxy-Fuel Firing—The Influence of Combustion Conditions. Energy & Fuels, 2011, 25, 624-631.	5.1	23
144	Thermal radiation in oxy-fuel flames. International Journal of Greenhouse Gas Control, 2011, 5, S58-S65.	4.6	23

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145	Large scale integration of wind power: moderating thermal power plant cycling. <i>Wind Energy</i> , 2011, 14, 91-105.	4.2	23
146	Thermal integration and modelling of the chilled ammonia process. <i>Energy Procedia</i> , 2011, 4, 1713-1720.	1.8	23
147	A Study of Fuel Particle Movement in Fluidized Beds. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 5791-5805.	3.7	23
148	Carbon Monoxide Formation during Oxy-fuel-Fired Fluidized-Bed Combustion. <i>Energy & Fuels</i> , 2013, 27, 2275-2282.	5.1	23
149	Inlet boundary conditions for the simulation of fluid dynamics in gas-solid fluidized beds. <i>Chemical Engineering Science</i> , 2006, 61, 5183-5195.	3.8	22
150	Achieving 60% CO ₂ reductions within the UK energy system—Implications for the electricity generation sector. <i>Energy Policy</i> , 2007, 35, 2433-2452.	8.8	22
151	NO reburning in oxy-fuel combustion: A comparison between solid and gaseous fuels. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, S120-S126.	4.6	22
152	Dampening variations in wind power generation—the effect of optimizing geographic location of generating sites. <i>Wind Energy</i> , 2014, 17, 1631-1643.	4.2	22
153	Experimental evaluation of lateral mixing of bulk solids in a fluid-dynamically down-scaled bubbling fluidized bed. <i>Powder Technology</i> , 2014, 263, 74-80.	4.2	22
154	Effects of CO ₂ -Absorption Control Strategies on the Dynamic Performance of a Supercritical Pulverized-Coal-Fired Power Plant. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4415-4430.	3.7	22
155	Electric Vehicles as Flexibility Management Strategy for the Electricity System—A Comparison between Different Regions of Europe. <i>Energies</i> , 2019, 12, 2597.	3.1	22
156	Hydrodynamics and steel tube wastage in a fluidized bed at elevated temperature. <i>Chemical Engineering Science</i> , 2004, 59, 31-40.	3.8	21
157	Distributed solar and wind power — Impact on distribution losses. <i>Energy</i> , 2016, 112, 273-284.	8.8	21
158	Geographic aggregation of wind power—an optimization methodology for avoiding low outputs. <i>Wind Energy</i> , 2017, 20, 19-32.	4.2	21
159	A techno-economic assessment of CO ₂ capture in biomass and waste-fired combined heat and power plants — A Swedish case study. <i>International Journal of Greenhouse Gas Control</i> , 2022, 118, 103684.	4.6	21
160	Laser Doppler anemometry measurements in a circulating fluidized bed of metal particles. <i>Experimental Thermal and Fluid Science</i> , 2002, 26, 851-859.	2.7	20
161	Ammonia-based post combustion — The techno-economics of controlling ammonia emissions. <i>International Journal of Greenhouse Gas Control</i> , 2015, 37, 441-450.	4.6	20
162	The influence of price and non-price effects on demand for heating in the EU residential sector. <i>Energy</i> , 2015, 81, 146-158.	8.8	20

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163	Process analysis of an oxygen lean oxy-fuel power plant with co-production of synthesis gas. Energy Conversion and Management, 2009, 50, 279-286.	9.2	19
164	Influence of bulk solids cross-flow on lateral mixing of fuel in dual fluidized beds. Fuel Processing Technology, 2015, 140, 245-251.	7.2	19
165	Tailoring large-scale electricity production from variable renewable energy sources to accommodate baseload generation in europe. Renewable Energy, 2018, 129, 334-346.	8.9	19
166	Flexibility Potential of Space Heating Demand Response in Buildings for District Heating Systems. Energies, 2019, 12, 2874.	3.1	19
167	Dynamic modeling for assessment of steam cycle operation in waste-fired combined heat and power plants. Energy Conversion and Management, 2019, 198, 111926.	9.2	19
168	Geospatial supply-demand modeling of lignocellulosic biomass for electricity and biofuels in the European Union. Biomass and Bioenergy, 2021, 144, 105870.	5.7	19
169	Prospects for CO ₂ capture in European industry. Management of Environmental Quality, 2011, 22, 18-32.	4.3	18
170	Oxy-Fuel Combustion Modeling: Performance of Global Reaction Mechanisms. Industrial & Engineering Chemistry Research, 2012, 51, 10327-10337.	3.7	18
171	Geospatial supply-demand modeling of biomass residues for co-firing in European coal power plants. GCB Bioenergy, 2018, 10, 786-803.	5.6	18
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