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 g-index
262 all docs	262 docs citations	262 times ranked	8020 citing authors

#	Article	IF	Citations
1	Comparison of the Transient Behaviors of Bubbling and Circulating Fluidized Bed Combustors. Heat Transfer Engineering, 2023, 44, 303-316.	1.9	6
2	Solids back-mixing in the transport zone of circulating fluidized bed boilers. Chemical Engineering Journal, 2022, 428, 130976.	12.7	7
3	Exploring the competitiveness of hydrogen-fueled gas turbines in future energy systems. International Journal of Hydrogen Energy, 2022, 47, 624-644.	7.1	64
4	Interaction between electrified steel production and the north European electricity system. Applied Energy, 2022, 310, 118584.	10.1	15
5	Solids backmixing and entrainment in the splash zone of large-scale fluidized bed boilers. Powder Technology, 2022, 404, 117471.	4.2	2
6	A techno-economic assessment of CO2 capture in biomass and waste-fired combined heat and power plants â€“ A Swedish case study. International Journal of Greenhouse Gas Control, 2022, 118, 103684.	4.6	21
7	A multiple system level modeling approach to coupled energy markets: Incentives for combined heat and power generation at the plant, city and regional energy system levels. Energy, 2022, 254, 124337.	8.8	5
8	Impacts of demand response from buildings and centralized thermal energy storage on district heating systems. Sustainable Cities and Society, 2021, 64, 102510.	10.4	36
9	Impact of electricity market feedback on investments in solar photovoltaic and battery systems in Swedish single-family dwellings. Renewable Energy, 2021, 163, 1078-1091.	8.9	12
10	Geospatial supply-demand modeling of lignocellulosic biomass for electricity and biofuels in the European Union. Biomass and Bioenergy, 2021, 144, 105870.	5.7	19
11	Solids flow patterns in large-scale circulating fluidised bed boilers: Experimental evaluation under fluid-dynamically down-scaled conditions. Chemical Engineering Science, 2021, 231, 116309.	3.8	15
12	To Represent Electric Vehicles in Electricity Systems Modellingâ€”Aggregated Vehicle Representation vs. Individual Driving Profiles. Energies, 2021, 14, 539.	3.1	13
13	The BECCS Implementation Gapâ€“A Swedish Case Study. Frontiers in Energy Research, 2021, 8, .	2.3	28
14	Supply Chain Driven Commercialisation of Bio Energy Carbon Capture and Storage. Frontiers in Climate, 2021, 3, .	2.8	4
15	Dynamic Modeling of the Reactive Side in Large-Scale Fluidized Bed Boilers. Industrial & Engineering Chemistry Research, 2021, 60, 3936-3956.	3.7	14
16	Perspectives for Greening European Fossil-Fuel Infrastructures Through Use of Biomass: The Case of Liquid Biofuels Based on Lignocellulosic Resources. Frontiers in Energy Research, 2021, 9, .	2.3	11
17	Smart electric vehicle charging strategies for sectoral coupling in a city energy system. Applied Energy, 2021, 288, 116640.	10.1	50
18	Techno-Economic Assessment of Calcium Looping for Thermochemical Energy Storage with CO2 Capture. Energies, 2021, 14, 3211.	3.1	11

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19	Applying a scienceâ€based systems perspective to dispel misconceptions about climate effects of forest bioenergy. GCB Bioenergy, 2021, 13, 1210-1231.	5.6	49
20	Impacts of Electric Road Systems on the German and Swedish Electricity Systemsâ€"An Energy System Model Comparison. Frontiers in Energy Research, 2021, 9, .	2.3	7
21	Inclusion of frequency control constraints in energy system investment modeling. Renewable Energy, 2021, 173, 249-262.	8.9	15
22	The impact of limited electricity connection capacity on energy transitions in cities. Smart Energy, 2021, 3, 100041.	5.7	4
23	Achieving net-zero carbon emissions in construction supply chains â€“ A multidimensional analysis of residential building systems. Developments in the Built Environment, 2021, 8, 100059.	4.0	26
24	Actuating the European Energy System Transition: Indicators for Translating Energy Systems Modelling Results into Policy-Making. Frontiers in Energy Research, 2021, 9, .	2.3	4
25	Modeling the motion of fuel particles in a fluidized bed. Fuel, 2021, 305, 121424.	6.4	11
26	Large-Scale Implementation of Bioenergy With Carbon Capture and Storage in the Swedish Pulp and Paper Industry Involving Biomass Supply at the Regional Level. Frontiers in Energy Research, 2021, 9, .	2.3	5
27	Design of Clean Steel Production with Hydrogen: Impact of Electricity System Composition. Energies, 2021, 14, 8349.	3.1	13
28	Large-scale implementation of electric road systems: Associated costs and the impact on CO₂ emissions. International Journal of Sustainable Transportation, 2020, 14, 606-619.	4.1	38
29	Reaching net-zero carbon emissions in construction supply chains â€“ Analysis of a Swedish road construction project. Renewable and Sustainable Energy Reviews, 2020, 120, 109651.	16.4	74
30	Balancing investments in building energy conservation measures with investments in district heating â€“ A Swedish case study. Energy and Buildings, 2020, 226, 110353.	6.7	12
31	The framing of a sustainable development goals assessment in decarbonizing the construction industry â€“ Avoiding â€œGreenwashingâ€. Renewable and Sustainable Energy Reviews, 2020, 131, 110029.	16.4	90
32	Flexible operation of a combined cycle cogeneration plant â€“ A techno-economic assessment. Applied Energy, 2020, 278, 115630.	10.1	29
33	Marginal Abatement Cost Curve of Industrial CO2 Capture and Storage â€“ A Swedish Case Study. Frontiers in Energy Research, 2020, 8, .	2.3	17
34	Roadmap for Decarbonization of the Building and Construction Industryâ€"A Supply Chain Analysis Including Primary Production of Steel and Cement. Energies, 2020, 13, 4136.	3.1	25
35	Impacts of thermal energy storage on the management of variable demand and production in electricity and district heating systems: a Swedish case study. International Journal of Sustainable Energy, 2020, 39, 446-464.	2.4	14
36	Modeling Axial Mixing of Fuel Particles in the Dense Region of a Fluidized Bed. Energy & Fuels, 2020, 34, 3294-3304.	5.1	18

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37	Combined heat and power operational modes for increased product flexibility in a waste incineration plant. Energy, 2020, 202, 117696.	8.8	26
38	A novel experimental method for determining lateral mixing of solids in fluidized beds â€“ Quantification of the splash-zone contribution. Powder Technology, 2020, 370, 96-103.	4.2	14
39	Carbon Allocation in Multi-Product Steel Mills That Coâ€process Biogenic and Fossil Feedstocks and Adopt Carbon Capture Utilization and Storage Technologies. Frontiers in Chemical Engineering, 2020, 2, .	2.7	1
40	The threat to climate change mitigation posed by the abundance of fossil fuels. Climate Policy, 2019, 19, 258-274.	5.1	290
41	Enhancement of CO₂ Absorption in Water through pH Control and Carbonic Anhydraseâ€“A Technical Assessment. Industrial & Engineering Chemistry Research, 2019, 58, 14275-14283.	3.7	7
42	Electric Vehicles as Flexibility Management Strategy for the Electricity Systemâ€”A Comparison between Different Regions of Europe. Energies, 2019, 12, 2597.	3.1	22
43	A technoâ€economic assessment of biomass coâ€firing in Czech Republic, France, Germany and Poland. Biofuels, Bioproducts and Biorefining, 2019, 13, 1289-1305.	3.7	25
44	Flexibility Potential of Space Heating Demand Response in Buildings for District Heating Systems. Energies, 2019, 12, 2874.	3.1	19
45	Organizing prosumers into electricity trading communities: Costs to attain electricity transfer limitations and selfâ€sufficiency goals. International Journal of Energy Research, 2019, 43, 7021.	4.5	16
46	Excess heat-driven carbon capture at an integrated steel mill â€“ Considerations for capture cost optimization. International Journal of Greenhouse Gas Control, 2019, 91, 102833.	4.6	24
47	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
48	Integrating carbon capture into an industrial combined-heat-and-power plant: performance with hourly and seasonal load changes. International Journal of Greenhouse Gas Control, 2019, 82, 192-203.	4.6	16
49	Prosumers in the Electricity Systemâ€”Household vs. System Optimization of the Operation of Residential Photovoltaic Battery Systems. Frontiers in Energy Research, 2019, 6, .	2.3	12
50	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
51	Impacts of electric vehicles on the electricity generation portfolio â€“ A Scandinavian-German case study. Applied Energy, 2019, 235, 1637-1650.	10.1	92
52	The marginal system LCOE of variable renewables â€“ Evaluating high penetration levels of wind and solar in Europe. Energy, 2018, 152, 914-924.	8.8	100
53	A comparison of variation management strategies for wind power integration in different electricity system contexts. Wind Energy, 2018, 21, 837-854.	4.2	34
54	Thermal energy storage in district heating: Centralised storage vs. storage in thermal inertia of buildings. Energy Conversion and Management, 2018, 162, 26-38.	9.2	125

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55	Improving the flexibility of coal-fired power generators: Impact on the composition of a cost-optimal electricity system. Applied Energy, 2018, 209, 277-289.	10.1	58
56	Bottom-bed fluid dynamics â€“ Influence on solids entrainment. Fuel Processing Technology, 2018, 173, 112-118.	7.2	9
57	Geospatial supplyâ€“demand modeling of biomass residues for coâ€firing in European coal power plants. GCB Bioenergy, 2018, 10, 786-803.	5.6	18
58	Hourly electricity demand from an electric road system â€“ A Swedish case study. Applied Energy, 2018, 228, 141-148.	10.1	25
59	Investment costs and CO2 reduction potential of carbon capture from industrial plants â€“ A Swedish case study. International Journal of Greenhouse Gas Control, 2018, 76, 111-124.	4.6	60
60	Contributions of building retrofitting in five member states to EU targets for energy savings. Renewable and Sustainable Energy Reviews, 2018, 93, 759-774.	16.4	39
61	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
62	Geographic aggregation of wind power-an optimization methodology for avoiding low outputs. Wind Energy, 2017, 20, 19-32.	4.2	21
63	Experimental characterization of axial fuel mixing in fluidized beds by magnetic particle tracking. Powder Technology, 2017, 316, 492-499.	4.2	46
64	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
65	Impact of thermal plant cycling on the cost-optimal composition of a regional electricity generation system. Applied Energy, 2017, 197, 230-240.	10.1	46
66	Magnetic tracking of a fuel particle in a fluid-dynamically down-scaled fluidised bed. Fuel Processing Technology, 2017, 162, 147-156.	7.2	27
67	Spacial and dynamic energy demand of the E39 highway â€“ Implications on electrification options. Applied Energy, 2017, 195, 681-692.	10.1	29
68	Demonstrating load-change transient performance of a commercial-scale natural gas combined cycle power plant with post-combustion CO2 capture. International Journal of Greenhouse Gas Control, 2017, 63, 158-174.	4.6	46
69	Effects of CO₂-Absorption Control Strategies on the Dynamic Performance of a Supercritical Pulverized-Coal-Fired Power Plant. Industrial & Engineering Chemistry Research, 2017, 56, 4415-4430.	3.7	22
70	Value of wind power â€“ Implications from specific power. Energy, 2017, 126, 352-360.	8.8	42
71	Partial Capture of Carbon Dioxide from Industrial Sources - A Discussion on Cost Optimization and the CO2 Capture Rate. Energy Procedia, 2017, 114, 113-121.	1.8	10
72	Linking the Effect of Reservoir Injectivity and CO2 Transport Logistics in the Nordic Region. Energy Procedia, 2017, 114, 6860-6869.	1.8	1

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73	The effect of high levels of solar generation on congestion in the European electricity transmission grid. Applied Energy, 2017, 205, 1128-1140.	10.1	42
74	Impact of electricity price fluctuations on the operation of district heating systems: A case study of district heating in GÃ¶teborg, Sweden. Applied Energy, 2017, 204, 16-30.	10.1	59
75	Managing the costs of CO₂ abatement in the cement industry. Climate Policy, 2017, 17, 781-800.	5.1	25
76	Solids circulation in circulating fluidized beds with low riser aspect ratio and varying total solids inventory. Powder Technology, 2017, 316, 670-676.	4.2	13
77	Electric road systems in Norway and Sweden-impact on CO<inf>2</inf> emissions and infrastructure cost. , 2017, , .		3
78	Cost-Effectiveness of Retrofitting Swedish Buildings. , 2017, , 343-362.		5
79	Charging strategies â€“ implications on the interaction between an electrified road infrastructure and the stationary electricity system. World Electric Vehicle Journal, 2016, 8, 1008-1019.	3.0	0
80	Reduced Mechanism for Nitrogen and Sulfur Chemistry in Pressurized Flue Gas Systems. Industrial & Engineering Chemistry Research, 2016, 55, 5514-5525.	3.7	30
81	Solar photovoltaic-battery systems in Swedish households â€“ Self-consumption and self-sufficiency. Applied Energy, 2016, 183, 148-159.	10.1	132
82	Paying the full price of steel â€“ Perspectives on the cost of reducing carbon dioxide emissions from the steel industry. Energy Policy, 2016, 98, 459-469.	8.8	37
83	Ship transportâ€”A low cost and low risk CO 2 transport option in the Nordic countries. International Journal of Greenhouse Gas Control, 2016, 54, 168-184.	4.6	55
84	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
85	Distributed solar and wind power â€“ Impact on distribution losses. Energy, 2016, 112, 273-284.	8.8	21
86	Regional Distribution of Renewable Energy and the Abundance of Fossil Fuels. , 2016, , 11-19.		0
87	Improved syngas processing for enhanced Bio-SNG production: A techno-economic assessment. Energy, 2016, 101, 380-389.	8.8	50
88	Assessment of biomass energy sources and technologies: The case of Central America. Renewable and Sustainable Energy Reviews, 2016, 58, 1411-1431.	16.4	80
89	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
90	Well-to-wheel analysis of bio-methane via gasification, in heavy duty engines within the transport sector of the European Union. Applied Energy, 2016, 170, 445-454.	10.1	63

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91	Demand response potential of electrical space heating in Swedish single-family dwellings. Building and Environment, 2016, 96, 270-282.	6.9	35
92	The role of biomass to replace fossil fuels in a regional energy system: The case of west Sweden. Thermal Science, 2016, 20, 1023-1036.	1.1	9
93	3-Dimensional Particle Tracking in a Fluid Dynamically Downscaled Fluidized Bed Using Magnetoresistive Sensors. , 2016, , 317-322.		0
94	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
95	Post-combustion CO2 capture applied to a state-of-the-art coal-fired power plantâ€"The influence of dynamic process conditions. International Journal of Greenhouse Gas Control, 2015, 33, 51-62.	4.6	26
96	CO 2 emissions abatement in the Nordic carbon-intensive industry â€“ An end-game in sight?. Energy, 2015, 80, 715-730.	8.8	43
97	Modeling the Nitrogen and Sulfur Chemistry in Pressurized Flue Gas Systems. Industrial & Engineering Chemistry Research, 2015, 54, 1216-1227.	3.7	43
98	Modelling opportunities and costs associated with energy conservation in the Spanish building stock. Energy and Buildings, 2015, 88, 347-360.	6.7	29
99	Cost-effective retrofitting of Swedish residential buildings: effects of energy price developments and discount rates. Energy Efficiency, 2015, 8, 223-237.	2.8	35
100	Quantification of the energy efficiency gap in the Swedish residential sector. Energy Efficiency, 2015, 8, 975-993.	2.8	12
101	Heat extraction from a utility-scale oxy-fuel-fired CFB boiler. Chemical Engineering Science, 2015, 130, 144-150.	3.8	15
102	Energy efficiency policies for space heating in EU countries: A panel data analysis for the period 1990â€“2010. Applied Energy, 2015, 150, 211-223.	10.1	46
103	Time-resolved modeling of gas mixing in fluidized bed units. Fuel Processing Technology, 2015, 134, 73-84.	7.2	8
104	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
105	Ammonia-based post combustion â€“ The techno-economics of controlling ammonia emissions. International Journal of Greenhouse Gas Control, 2015, 37, 441-450.	4.6	20
106	The influence of price and non-price effects on demand for heating inÂthe EU residential sector. Energy, 2015, 81, 146-158.	8.8	20
107	Magnetic tracer-particle tracking in a fluid dynamically down-scaled bubbling fluidized bed. Fuel Processing Technology, 2015, 138, 368-377.	7.2	32
108	Postcombustion CO₂ Capture Using Monoethanolamine and Ammonia Solvents: The Influence of CO₂ Concentration on Technical Performance. Industrial & Engineering Chemistry Research, 2015, 54, 681-690.	3.7	25

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109	The crucial role of frictional stress models for simulation of bubbling fluidized beds. Powder Technology, 2015, 270, 68-82.	4.2	29
110	Equilibrium measurements of the NH3â€“CO2â€“H2O system â€“ measurement and evaluation of vaporâ€“liquid equilibrium data at low temperatures. Fluid Phase Equilibria, 2015, 385, 237-247.	2.5	11
111	A Geospatial Comparison of Distributed Solar Heat and Power in Europe and the US. PLoS ONE, 2014, 9, e112442.	2.5	38
112	Dampening variations in wind power generationâ€”the effect of optimizing geographic location of generating sites. Wind Energy, 2014, 17, 1631-1643.	4.2	22
113	Techno-economic Analysis of Carbon Capture at an Aluminum Production Plant â€“ Comparison of Post-combustion Capture Using MEA and Ammonia. Energy Procedia, 2014, 63, 6590-6601.	1.8	12
114	Process Evaluation of CO2 Capture in three Industrial case Studies. Energy Procedia, 2014, 63, 6565-6575.	1.8	15
115	On the carbon monoxide formation in oxy-fuel combustionâ€”Contribution by homogenous and heterogeneous reactions. International Journal of Greenhouse Gas Control, 2014, 25, 33-41.	4.6	13
116	Thermo-Economic Optimization of Hybridization Options for Solar Retrofitting of Combined-Cycle Power Plants. Journal of Solar Energy Engineering, Transactions of the ASME, 2014, 136, .	1.8	10
117	The Rate of CO₂ Absorption in Ammoniaâ€”Implications on Absorber Design. Industrial & Engineering Chemistry Research, 2014, 53, 6750-6758.	3.7	45
118	Measurement and Modeling of Particle Radiation in Coal Flames. Energy & Fuels, 2014, 28, 2199-2210.	5.1	35
119	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
120	Building-stock aggregation through archetype buildings: France, Germany, Spain and the UK. Building and Environment, 2014, 81, 270-282.	6.9	181
121	Experimental quantification of lateral mixing of fuels in fluid-dynamically down-scaled bubbling fluidized beds. Applied Energy, 2014, 136, 671-681.	10.1	31
122	Modeling the Alkali Sulfation Chemistry of Biomass and Coal Co-firing in Oxy-fuel Atmospheres. Energy & Fuels, 2014, 28, 3486-3494.	5.1	26
123	Linkages between demand-side management and congestion in the European electricity transmission system. Energy, 2014, 69, 860-872.	8.8	67
124	Experimental evaluation of lateral mixing of bulk solids in a fluid-dynamically down-scaled bubbling fluidized bed. Powder Technology, 2014, 263, 74-80.	4.2	22
125	Development of a Methodology to Analyze the Geographical Distribution of CCS Plants and Ramp-up of CO2-flow Over Time. Energy Procedia, 2014, 63, 6871-6877.	1.8	2
126	Transport of CO2 in the Nordic region. Energy Procedia, 2014, 63, 2683-2690.	1.8	2

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127	Challenges to Integrate CCS into Low Carbon Electricity Markets. Energy Procedia, 2014, 63, 7485-7493.	1.8	9
128	Cost-optimized allocation of wind power investments: a Nordic-German perspective. Wind Energy, 2013, 16, 587-604.	4.2	11
129	Influence of particle and gas radiation in oxy-fuel combustion. International Journal of Heat and Mass Transfer, 2013, 65, 143-152.	4.8	80
130	Conversion of large coal particles under O2/N2 and O2/CO2 atmospheresâ€"Experiments and modeling. Fuel Processing Technology, 2013, 112, 118-128.	7.2	26
131	How to decarbonize the transport sector?. Energy Policy, 2013, 61, 562-573.	8.8	69
132	Modelling Large-scale CCS Development in Europe Linking Techno- economic Modelling to Transport Infrastructure. Energy Procedia, 2013, 37, 2941-2948.	1.8	15
133	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
134	Public attitudes to climate change and carbon mitigationâ€"Implications for energy-associated behaviours. Energy Policy, 2013, 57, 182-193.	8.8	94
135	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
136	Prospects for CCS in the EU Energy Roadmap to 2050. Energy Procedia, 2013, 37, 7573-7581.	1.8	16
137	Exploring the limits for CO2 emission abatement in the EU power and industry sectorsâ€"Awaiting a breakthrough. Energy Policy, 2013, 59, 443-458.	8.8	24
138	The effect of improved efficiency on energy savings in EU-27 buildings. Energy, 2013, 57, 134-148.	8.8	51
139	Deployment of CCS in Industrial Applications in the EU â€“ Timing, Scope and Coordination. Energy Procedia, 2013, 37, 7186-7198.	1.8	4
140	Infrastructure for CCS in The Skagerrak/Kattegat Region, Southern Scandinavia: A Feasibility Study. Energy Procedia, 2013, 37, 2562-2569.	1.8	2
141	Energy usage and technical potential for energy saving measures in the Swedish residential building stock. Energy Policy, 2013, 55, 404-414.	8.8	129
142	A modelling strategy for energy, carbon, and cost assessments of building stocks. Energy and Buildings, 2013, 56, 100-108.	6.7	112
143	A Study of Fuel Particle Movement in Fluidized Beds. Industrial & Engineering Chemistry Research, 2013, 52, 5791-5805.	3.7	23
144	Experimental Evaluation and Field Application of a Salt Method for SO₃ Measurement in Flue Gases. Energy & Fuels, 2013, 27, 2767-2775.	5.1	30

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145	Carbon Monoxide Formation during Oxy-fuel-Fired Fluidized-Bed Combustion. Energy & Fuels, 2013, 27, 2275-2282.	5.1	23
146	Modeling of fluidized bed combustion processes. , 2013, , 524-578.		3
147	The importance of CO2 capture and storage: A geopolitical discussion. Thermal Science, 2012, 16, 655-668.	1.1	13
148	Oxy-Fuel Combustion Modeling: Performance of Global Reaction Mechanisms. Industrial & Engineering Chemistry Research, 2012, 51, 10327-10337.	3.7	18
149	Influence of Operating Conditions on SO₃ Formation during Air and Oxy-Fuel Combustion. Industrial & Engineering Chemistry Research, 2012, 51, 9483-9491.	3.7	43
150	Evaluation of SO₃ Measurement Techniques in Air and Oxy-Fuel Combustion. Energy & Fuels, 2012, 26, 5537-5549.	5.1	57
151	Heat requirement for regeneration of aqueous ammonia in post-combustion carbon dioxide capture. International Journal of Greenhouse Gas Control, 2012, 11, 181-187.	4.6	56
152	Material constraints for concentrating solar thermal power. Energy, 2012, 44, 944-954.	8.8	86
153	Computational Fluid Dynamics Modeling of Oxy-Fuel Flames: The Role of Soot and Gas Radiation. Energy & Fuels, 2012, 26, 2786-2797.	5.1	43
154	Lateral fuel dispersion in a large-scale bubbling fluidized bed. Chemical Engineering Science, 2012, 74, 148-159.	3.8	67
155	Assessment of strategies for CO2 abatement in the European petroleum refining industry. Energy, 2012, 42, 375-386.	8.8	52
156	SO₃ Formation under Oxyfuel Combustion Conditions. Industrial & Engineering Chemistry Research, 2011, 50, 8505-8514.	3.7	90
157	Conversion of Sulfur during Pulverized Oxy-coal Combustion. Energy & Fuels, 2011, 25, 647-655.	5.1	66
158	Reburning of Nitric Oxide in Oxy-Fuel Firingâ€"The Influence of Combustion Conditions. Energy & Fuels, 2011, 25, 624-631.	5.1	23
159	NO reburning in oxy-fuel combustion: A comparison between solid and gaseous fuels. International Journal of Greenhouse Gas Control, 2011, 5, S120-S126.	4.6	22
160	Thermal radiation in oxy-fuel flames. International Journal of Greenhouse Gas Control, 2011, 5, S58-S65.	4.6	23
161	Prospects for CO₂ capture in European industry. Management of Environmental Quality, 2011, 22, 18-32.	4.3	18
162	A novel multigrid technique for Lagrangian modeling of fuel mixing in fluidized beds. Chemical Engineering Science, 2011, 66, 5628-5637.	3.8	36

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163	Perspectives on CO₂ capture and storage. , 2011, 1, 119-133.		35
164	Account for variations in the H2O to CO2 molar ratio when modelling gaseous radiative heat transfer with the weighted-sum-of-grey-gases model. Combustion and Flame, 2011, 158, 893-901.	5.2	188
165	Large scale integration of wind power: moderating thermal power plant cycling. Wind Energy, 2011, 14, 91-105.	4.2	23
166	Thermal integration and modelling of the chilled ammonia process. Energy Procedia, 2011, 4, 1713-1720.	1.8	23
167	Establishing an integrated CCS transport infrastructure in northern Europeâ€“Challenges and possibilities. Energy Procedia, 2011, 4, 2417-2424.	1.8	12
168	CCS in the Skagerrak/Kattegat-region â€” Assessment of an intraregional CCS infrastructure and legal framework. Energy Procedia, 2011, 4, 2793-2800.	1.8	0
169	CCS in the European electricity supply system â€” Assessment of national conditions to meet common EU targets. Energy Procedia, 2011, 4, 5869-5876.	1.8	6
170	Time-series analysis of pressure fluctuations in gasâ€“solid fluidized beds â€“ A review. International Journal of Multiphase Flow, 2011, 37, 403-428.	3.4	268
171	Stakeholder attitudes on Carbon Capture and Storageâ€”An international comparison. International Journal of Greenhouse Gas Control, 2010, 4, 410-418.	4.6	47
172	Voidage distribution around bubbles in a fluidized bed: Influence on throughflow. Powder Technology, 2010, 197, 73-82.	4.2	14
173	Pathways for the European electricity supply system to 2050â€”The role of CCS to meet stringent CO2 reduction targets. International Journal of Greenhouse Gas Control, 2010, 4, 327-340.	4.6	40
174	Strategies for 2nd generation biofuels in EU â€“ Co-firing to stimulate feedstock supply development and process integration to improve energy efficiency and economic competitiveness. Biomass and Bioenergy, 2010, 34, 227-236.	5.7	62
175	Highly efficient electricity generation from biomass by integration and hybridization with combined cycle gas turbine (CCGT) plants for natural gas. Energy, 2010, 35, 4042-4052.	8.8	45
176	Plug-in hybrid electric vehicles as regulating power providers: Case studies of Sweden and Germany. Energy Policy, 2010, 38, 2751-2762.	8.8	344
177	Integration of plug-in hybrid electric vehicles in a regional wind-thermal power system. Energy Policy, 2010, 38, 5482-5492.	8.8	107
178	A cost-benefit analysis of transmission network reinforcement driven by generation capacity expansion. , 2010, , .		9
179	Reburning in Oxy-Fuel Combustion: A Parametric Study of the Combustion Chemistry. Industrial & Engineering Chemistry Research, 2010, 49, 9088-9094.	3.7	32
180	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

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