

# Ilkka Hannula

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

561  
citations

687220

13  
h-index

887953

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Replacing fossil fuels with bioenergy in district heating – Comparison of technology options. <i>Energy</i> , 2021, 231, 120799.	4.5	26
2	Decarbonization of a district heating system with a combination of solar heat and bioenergy: A techno-economic case study in the Northern European context. <i>Renewable Energy</i> , 2021, 175, 1174-1199.	4.3	25
3	Europe’s –green deal– and carbon dioxide removal. <i>Nature</i> , 2021, 589, 19-19.	13.7	3
4	Preparation of Synthesis Gas from CO <sub>2</sub> for Fischer–Tropsch Synthesis– Comparison of Alternative Process Configurations. <i>Journal of Carbon Research</i> , 2020, 6, 55.	1.4	9
5	Hydrogen enhanced biofuels for transport via fast pyrolysis of biomass: A conceptual assessment. <i>Energy</i> , 2020, 199, 117337.	4.5	26
6	Near-Term Potential of Biofuels, Electrofuels, and Battery Electric Vehicles in Decarbonizing Road Transport. <i>Joule</i> , 2019, 3, 2390-2402.	11.7	61
7	The impact of biomass drying on the efficiency of a gasification plant co-producing Fischer-Tropsch fuels and heat – A conceptual investigation. <i>Biomass and Bioenergy</i> , 2019, 127, 105272.	2.9	16
8	Bioenergy RES hybrids – assessment of status in Finland, Austria, Germany, and Denmark. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 1402-1416.	1.9	11
9	GHG emission balances and prospects of hydrogen enhanced synthetic biofuels from solid biomass in the European context. <i>Applied Energy</i> , 2017, 200, 106-118.	5.1	19
10	Hydrogen enhancement potential of synthetic biofuels manufacture in the European context: A techno-economic assessment. <i>Energy</i> , 2016, 104, 199-212.	4.5	71
11	Reforming solutions for biomass-derived gasification gas – Experimental results and concept assessment. <i>Fuel</i> , 2015, 147, 208-220.	3.4	15
12	Co-production of synthetic fuels and district heat from biomass residues, carbon dioxide and electricity: Performance and cost analysis. <i>Biomass and Bioenergy</i> , 2015, 74, 26-46.	2.9	86
13	Modelling super-equilibrium in biomass gasification with the constrained Gibbs energy method. <i>Fuel</i> , 2014, 129, 86-94.	3.4	33
14	Clean syngas from biomass – process development and concept assessment. <i>Biomass Conversion and Biorefinery</i> , 2014, 4, 357-370.	2.9	38
15	Light olefins and transport fuels from biomass residues via synthetic methanol: performance and cost analysis. <i>Biomass Conversion and Biorefinery</i> , 2014, 5, 63.	2.9	8
16	A parametric modelling study for pressurised steam/O <sub>2</sub> -blown fluidised-bed gasification of wood with catalytic reforming. <i>Biomass and Bioenergy</i> , 2012, 38, 58-67.	2.9	56
17	A semi-empirical model for pressurised air-blown fluidised-bed gasification of biomass. <i>Bioresource Technology</i> , 2010, 101, 4608-4615.	4.8	51