

# AndrÃ© Pc Faaij

## List of Publications by Year in descending order

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46  
papers

7,123  
citations

172207

29  
h-index

223531

46  
g-index

47  
all docs

47  
docs citations

47  
times ranked

7144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ethanol from lignocellulosic biomass: techno-economic performance in short-, middle- and long-term. <i>Biomass and Bioenergy</i> , 2005, 28, 384-410.	2.9	1,374
2	Exploration of the possibilities for production of Fischer Tropsch liquids and power via biomass gasification. <i>Biomass and Bioenergy</i> , 2002, 23, 129-152.	2.9	763
3	Future prospects for production of methanol and hydrogen from biomass. <i>Journal of Power Sources</i> , 2002, 111, 1-22.	4.0	501
4	Pre-treatment technologies, and their effect on international bioenergy supply chain logistics. Techno-economic evaluation of torrefaction, fast pyrolysis and pelletisation. <i>Energy</i> , 2008, 33, 1206-1223.	4.5	488
5	Production of FT transportation fuels from biomass; technical options, process analysis and optimisation, and development potential. <i>Energy</i> , 2004, 29, 1743-1771.	4.5	438
6	Bio-energy in Europe: changing technology choices. <i>Energy Policy</i> , 2006, 34, 322-342.	4.2	411
7	International bioenergy transport costs and energy balance. <i>Biomass and Bioenergy</i> , 2005, 29, 114-134.	2.9	308
8	Fischer-Tropsch diesel production in a well-to-wheel perspective: A carbon, energy flow and cost analysis. <i>Energy Conversion and Management</i> , 2009, 50, 855-876.	4.4	301
9	Outlook for advanced biofuels. <i>Energy Policy</i> , 2006, 34, 3268-3283.	4.2	289
10	Performance of batteries for electric vehicles on short and longer term. <i>Journal of Power Sources</i> , 2012, 212, 111-129.	4.0	280
11	Efficiency and economy of wood-fired biomass energy systems in relation to scale regarding heat and power generation using combustion and gasification technologies. <i>Biomass and Bioenergy</i> , 2001, 21, 91-108.	2.9	255
12	The economical and environmental performance of miscanthus and switchgrass production and supply chains in a European setting. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 1230-1245.	8.2	199
13	Natural gas as an alternative to crude oil in automotive fuel chains well-to-wheel analysis and transition strategy development. <i>Energy Policy</i> , 2005, 33, 579-594.	4.2	170
14	Indirect land use change: review of existing models and strategies for mitigation. <i>Biofuels</i> , 2012, 3, 87-100.	1.4	155
15	Techno-economic comparison of series hybrid, plug-in hybrid, fuel cell and regular cars. <i>Journal of Power Sources</i> , 2010, 195, 6570-6585.	4.0	137
16	Techno-economic analysis of co-fired biomass integrated gasification/combined cycle systems with inclusion of economies of scale. <i>Energy</i> , 2003, 28, 1229-1258.	4.5	84
17	Emerging international bio-energy markets and opportunities for socio-economic development. <i>Energy for Sustainable Development</i> , 2006, 10, 7-19.	2.0	77
18	The international logistics of wood pellets for heating and power production in Europe: Costs, energy input and greenhouse gas balances of pellet consumption in Italy, Sweden and the Netherlands. <i>Biofuels, Bioproducts and Biorefining</i> , 2010, 4, 132-153.	1.9	75

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19	Biomass and bioenergy supply from Mozambique. <i>Energy for Sustainable Development</i> , 2006, 10, 54-81.	2.0	67
20	Intensification pathways for beef and dairy cattle production systems: Impacts on GHG emissions, land occupation and land use change. <i>Agriculture, Ecosystems and Environment</i> , 2017, 240, 135-147.	2.5	62
21	The impact of sustainability criteria on the costs and potentials of bioenergy production – Applied for case studies in Brazil and Ukraine. <i>Biomass and Bioenergy</i> , 2010, 34, 319-333.	2.9	57
22	Optimization potential of biomass supply chains with torrefaction technology. <i>Biofuels, Bioproducts and Biorefining</i> , 2014, 8, 253-282.	1.9	42
23	Interregional assessment of socio-economic effects of sugarcane ethanol production in Brazil. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 88, 347-362.	8.2	42
24	Optimising waste treatment systems. <i>Resources, Conservation and Recycling</i> , 2006, 49, 68-88.	5.3	40
25	Impact of hydrogen onboard storage technologies on the performance of hydrogen fuelled vehicles: A techno-economic well-to-wheel assessment. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 4859-4870.	3.8	39
26	Detecting systemic change in a land use system by Bayesian data assimilation. <i>Environmental Modelling and Software</i> , 2016, 75, 424-438.	1.9	39
27	Modeling the impacts of wood pellet demand on forest dynamics in southeastern United States. <i>Biofuels, Bioproducts and Biorefining</i> , 2017, 11, 1007-1029.	1.9	39
28	Identifying a land use change cellular automaton by Bayesian data assimilation. <i>Environmental Modelling and Software</i> , 2014, 53, 121-136.	1.9	38
29	The GHG emissions and economic performance of the Colombian palm oil sector; current status and long-term perspectives. <i>Journal of Cleaner Production</i> , 2020, 258, 120757.	4.6	30
30	A review of key international biomass and bioenergy sustainability frameworks and certification systems and their application and implications in Colombia. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 460-478.	8.2	29
31	Recent and projected impacts of land use and land cover changes on carbon stocks and biodiversity in East Kalimantan, Indonesia. <i>Ecological Indicators</i> , 2019, 103, 563-575.	2.6	28
32	Optimising waste treatment systems. <i>Resources, Conservation and Recycling</i> , 2006, 48, 227-248.	5.3	27
33	Fuels and plastics from lignocellulosic biomass via the furan pathway: an economic analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 307-325.	1.9	25
34	Biomass production in agroforestry and forestry systems on salt-affected soils in South Asia: Exploration of the GHG balance and economic performance of three case studies. <i>Journal of Environmental Management</i> , 2013, 127, 324-334.	3.8	23
35	Socio-economic impacts of low-carbon power generation portfolios: Strategies with and without CCS for the Netherlands. <i>Applied Energy</i> , 2016, 183, 257-277.	5.1	21
36	Projecting socio-economic impacts of bioenergy: Current status and limitations of ex-ante quantification methods. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109352.	8.2	21

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37	Spatiotemporal cost-supply curves for bioenergy production in Mozambique. <i>Biofuels, Bioproducts and Biorefining</i> , 2012, 6, 405-430.	1.9	20
38	How a Pareto frontier complements scenario projections in land use change impact assessment. <i>Environmental Modelling and Software</i> , 2017, 97, 287-302.	1.9	19
39	Low-ILUC-risk ethanol from Hungarian maize. <i>Biomass and Bioenergy</i> , 2017, 99, 57-68.	2.9	18
40	Economic performance and GHG emission intensity of sugarcane- and eucalyptus-derived biofuels and biobased chemicals in Brazil. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 950-977.	1.9	17
41	Integrated spatiotemporal modelling of bioenergy production potentials, agricultural land use, and related GHG balances; demonstrated for Ukraine. <i>Biofuels, Bioproducts and Biorefining</i> , 2014, 8, 391-411.	1.9	14
42	<i>Biomass Combustion.</i> , 2004, , 175-191.		13
43	Socio-economic impacts of future electricity generation scenarios in Europe: Potential costs and benefits of using CO <sub>2</sub> Capture and Storage (CCS). <i>International Journal of Greenhouse Gas Control</i> , 2015, 42, 471-484.	2.3	13
44	Greenhouse gas mitigation effects of integrating biomass production into European agriculture. <i>Biofuels, Bioproducts and Biorefining</i> , 2014, 8, 374-390.	1.9	12
45	GHG Balance of Agricultural Intensification & Bioenergy Production in the Orinoquia Region, Colombia. <i>Land</i> , 2021, 10, 289.	1.2	11
46	Integral analysis of environmental and economic performance of combined agricultural intensification & bioenergy production in the Orinoquia region. <i>Journal of Environmental Management</i> , 2022, 303, 114137.	3.8	8