AndrÃ© Faaij

List of Publications by Year
in descending order

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300 papers	27,447 citations	4942 84 h-index	7136 153 g-index
307 all docs	307 docs citations	307 times ranked	21330 citing authors

#	Article	IF	Citations
1	The impact of landâ€use change emissions on the potential of bioenergy as climate change mitigation option for a Brazilian lowâ€carbon energy system. GCB Bioenergy, 2022, 14, 110-131.	2.5	9
2	Potential role of natural gas infrastructure in China to supply low-carbon gases during 2020â€“2050. Applied Energy, 2022, 306, 117989.	5.1	15
3	Regionalization of a national integrated energy system model: A case study of the northern Netherlands. Applied Energy, 2022, 306, 118035.	5.1	12
4	Rapid screening and probabilistic estimation of the potential for CO ₂ -EOR and associated geological CO ₂ storage in Colombian petroleum basins. Petroleum Geoscience, 2022, 28, .	0.9	5
5	Modelling a highly decarbonised North Sea energy system in 2050: A multinational approach. Advances in Applied Energy, 2022, 5, 100080.	6.6	19
6	Fully integrated CO2 mitigation strategy for an existing refinery: A case study in Colombia. Applied Energy, 2022, 313, 118771.	5.1	10
7	Linear programing formulation of a high temporal and technological resolution integrated energy system model for the energy transition. MethodsX, 2022, 9, 101732.	0.7	4
8	Detailed spatial analysis of renewablesâ€™ potential and heat: A study of Groningen Province in the northern Netherlands. Applied Energy, 2022, 318, 119149.	5.1	1
9	Benefits of an integrated power and hydrogen offshore grid in a netâ€zero North Sea energy system. Advances in Applied Energy, 2022, 7, 100097.	6.6	4
10	System analysis of the bioâ€based economy in Colombia: A bottomâ€up energy system model and scenario analysis. Biofuels, Bioproducts and Biorefining, 2021, 15, 481-501.	1.9	13
11	Assessing bioâ€oil coâ€processing routes as <scp>CO₂</scp> mitigation strategies inÂoil refineries. Biofuels, Bioproducts and Biorefining, 2021, 15, 305-333.	1.9	24
12	Measuring accuracy and computational capacity trade-offs in an hourly integrated energy system model. Advances in Applied Energy, 2021, 1, 100009.	6.6	21
13	A review of the role of spatial resolution in energy systems modelling: Lessons learned and applicability to the North Sea region. Renewable and Sustainable Energy Reviews, 2021, 141, 110857.	8.2	40
14	Spatial and temporal analysis of cumulative environmental effects of offshore wind farms in the North Sea basin. Scientific Reports, 2021, 11, 10125.	1.6	21
15	Evaluating the suitability of marginal land for a perennial energy crop on the Loess Plateau of China. GCB Bioenergy, 2021, 13, 1388-1406.	2.5	10
16	Techno-economic and life cycle greenhouse gas emissions assessment of liquefied natural gas supply chain in China. Energy, 2021, 224, 120049.	4.5	13
17	Improving the analytical framework for quantifying technological progress in energy technologies. Renewable and Sustainable Energy Reviews, 2021, 145, 111084.	8.2	17
18	Regionalized cost supply potential of bioenergy crops and residues in Colombia: A hybrid statistical balance and land suitability allocation scenario analysis. Biomass and Bioenergy, 2021, 150, 106096.	2.9	8

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19	Local energy planning in the built environment: An analysis of model characteristics. Renewable and Sustainable Energy Reviews, 2021, 144, 111030.	8.2	14
20	Modelling of decarbonisation transition in national integrated energy system with hourly operational resolution. Advances in Applied Energy, 2021, 3, 100043.	6.6	22
21	Harmonized comparison of virgin steel production using biomass with carbon capture and storage for negative emissions. International Journal of Greenhouse Gas Control, 2021, 112, 103519.	2.3	13
22	The potential of a bioeconomy to reduce Brazilian GHG emissions towards 2030: a CGEâ€based life cycle analysis. Biofuels, Bioproducts and Biorefining, 2020, 14, 265-285.	1.9	17
23	Life cycle assessment integration into energy system models: An application for Power-to-Methane in the EU. Applied Energy, 2020, 259, 114160.	5.1	50
24	The distribution of food security impacts of biofuels, a Ghana case study. Biomass and Bioenergy, 2020, 141, 105695.	2.9	31
25	How does the interplay between resource availability, intersectoral competition and reliability affect a low-carbon power generation mix in Brazil for 2050?. Energy, 2020, 195, 116948.	4.5	13
26	Exploring the potential of carbon capture and storage-enhanced oil recovery as a mitigation strategy in the Colombian oil industry. International Journal of Greenhouse Gas Control, 2020, 94, 102938.	2.3	27
27	A Spatial Analysis of the Potentials for Offshore Wind Farm Locations in the North Sea Region: Challenges and Opportunities. ISPRS International Journal of Geo-Information, 2020, 9, 96.	1.4	33
28	Technoâ€economic performance of sustainable international bioâ€SNG production and supply chains on short and longer term. Biofuels, Bioproducts and Biorefining, 2019, 13, 325-357.	1.9	14
29	Economic performance and GHG emission intensity of sugarcaneâ€and eucalyptusâ€derived biofuels and biobased chemicals in Brazil. Biofuels, Bioproducts and Biorefining, 2019, 13, 950-977.	1.9	17
30	Soft-linking of a behavioral model for transport with energy system cost optimization applied to hydrogen in EU. Renewable and Sustainable Energy Reviews, 2019, 115, 109349.	8.2	26
31	Exploring the emergence of a biojet fuel supply chain in Brazil: An agentâ€based modeling approach. GCB Bioenergy, 2019, 11, 773-790.	2.5	10
32	Pathways for a Brazilian biobased economy: towards optimal utilization of biomass. Biofuels, Bioproducts and Biorefining, 2019, 13, 673-689.	1.9	21
33	Recent and projected impacts of land use and land cover changes on carbon stocks and biodiversity in East Kalimantan, Indonesia. Ecological Indicators, 2019, 103, 563-575.	2.6	28
34	Using dynamic relative climate impact curves to quantify the climate impact of bioenergy production systems over time. GCB Bioenergy, 2019, 11, 427-443.	2.5	7
35	Assessing deployment pathways for greenhouse gas emissions reductions in an industrial plant â€“ A case study for a complex oil refinery. Applied Energy, 2019, 236, 354-378.	5.1	51
36	Integrated assessment of biomass supply and demand in climate change mitigation scenarios. Global Environmental Change, 2019, 54, 88-101.	3.6	151

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37	On the macro-economic impact of bioenergy and biochemicals â€“ Introducing advanced bioeconomy sectors into an economic modelling framework with a case study for the Netherlands. Biomass and Bioenergy, 2018, 108, 381-397.	2.9	37
38	Interregional assessment of socio-economic effects of sugarcane ethanol production in Brazil. Renewable and Sustainable Energy Reviews, 2018, 88, 347-362.	8.2	42
39	A review at the role of storage in energy systems with a focus on Power to Gas and long-term storage. Renewable and Sustainable Energy Reviews, 2018, 81, 1049-1086.	8.2	447
40	Unravelling the potential of energy efficiency in the Colombian oil industry. Journal of Cleaner Production, 2018, 176, 604-628.	4.6	35
41	Identifying key factors for mobilising under-utilised low carbon land resources: A case study on Kalimantan. Land Use Policy, 2018, 70, 198-211.	2.5	11
42	Techno-economic Comparison of Combined Cycle Gas Turbines with Advanced Membrane Configuration and Monoethanolamine Solvent at Part Load Conditions. Energy & Fuels, 2018, 32, 625-645.	2.5	17
43	Analyses of Land Cover Change Trajectories Leading to Tropical Forest Loss: Illustrated for the West Kutai and Mahakam Ulu Districts, East Kalimantan, Indonesia. Land, 2018, 7, 108.	1.2	13
44	Renewable jet fuel supply scenarios in the European Union in 2021â€“2030 in the context of proposed biofuel policy and competing biomass demand. GCB Bioenergy, 2018, 10, 661-682.	2.5	24
45	Exploring policy options to spur the expansion of ethanol production and consumption in Brazil: An agent-based modeling approach. Energy Policy, 2018, 123, 619-641.	4.2	20
46	Potential of Power-to-Methane in the EU energy transition to a low carbon system using cost optimization. Applied Energy, 2018, 232, 323-340.	5.1	148
47	Potential for hydrogen and Power-to-Liquid in a low-carbon EU energy system using cost optimization. Applied Energy, 2018, 232, 617-639.	5.1	154
48	Mapping land use changes resulting from biofuel production and the effect of mitigation measures. GCB Bioenergy, 2018, 10, 804-824.	2.5	33
49	Carbon balance and economic performance of pine plantations for bioenergy production in the Southeastern United States. Biomass and Bioenergy, 2018, 117, 44-55.	2.9	21
50	Impact of increased wood pellet demand on biodiversity in the southâ€eastern United States. GCB Bioenergy, 2018, 10, 841-860.	2.5	11
51	A review of key international biomass and bioenergy sustainability frameworks and certification systems and their application and implications in Colombia. Renewable and Sustainable Energy Reviews, 2018, 96, 460-478.	8.2	29
52	Emerging bioeconomy sectors in energy systems modeling â€“ Integrated systems analysis of electricity, heat, road transport, aviation, and chemicals: a case study for the Netherlands. Biofuels, Bioproducts and Biorefining, 2018, 12, 665-693.	1.9	20
53	Biomass Resources, Worldwide. , 2018, , 1-53.		1
54	Sustainability constraints in determining European bioenergy potential: A review of existing studies and steps forward. Renewable and Sustainable Energy Reviews, 2017, 69, 719-734.	8.2	70

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55	Cost optimization of biofuel production â€“ The impact of scale, integration, transport and supply chain configurations. Applied Energy, 2017, 195, 1055-1070.	5.1	134
56	Life-cycle analysis of greenhouse gas emissions from renewable jet fuel production. Biotechnology for Biofuels, 2017, 10, 64.	6.2	197
57	Low-ILUC-risk ethanol from Hungarian maize. Biomass and Bioenergy, 2017, 99, 57-68.	2.9	18
58	<scp>GHG</scp> emissions and other environmental impacts of indirect land use change mitigation. GCB Bioenergy, 2017, 9, 725-742.	2.5	21
59	Deployment of infrastructure configurations for large-scale CO 2 capture in industrial zones: A case study for the Rotterdam Botlek area (part B). International Journal of Greenhouse Gas Control, 2017, 60, 24-50.	2.3	12
60	Exploring path dependence, policy interactions, and actor behavior in the German biodiesel supply chain. Applied Energy, 2017, 195, 370-381.	5.1	19
61	Comprehensive characterisation and analysis of PV module performance under real operating conditions. Progress in Photovoltaics: Research and Applications, 2017, 25, 218-232.	4.4	57
62	Unravelling uncertainty and variability in early stage techno-economic assessments of carbon capture technologies. International Journal of Greenhouse Gas Control, 2017, 56, 221-236.	2.3	56
63	Challenges and uncertainties of ex ante techno-economic analysis of low TRL CO2 capture technology: Lessons from a case study of an NGCC with exhaust gas recycle and electric swing adsorption. Applied Energy, 2017, 208, 920-934.	5.1	51
64	How a Pareto frontier complements scenario projections in land use change impact assessment. Environmental Modelling and Software, 2017, 97, 287-302.	1.9	19
65	Geospatial analysis of the energy yield and environmental footprint of different photovoltaic module technologies. Solar Energy, 2017, 155, 1339-1353.	2.9	15
66	Greenhouse gas emission curves for advanced biofuel supply chains. Nature Climate Change, 2017, 7, 920-924.	8.1	57
67	A conceptual framework for the analysis of the effect of institutions on biofuel supply chains. Applied Energy, 2017, 185, 895-915.	5.1	29
68	Exploring under-utilised low carbon land resources from multiple perspectives: Case studies on regencies in Kalimantan. Land Use Policy, 2017, 60, 150-168.	2.5	11
69	Modeling the impacts of wood pellet demand on forest dynamics in southeastern United States. Biofuels, Bioproducts and Biorefining, 2017, 11, 1007-1029.	1.9	39
70	Projections of the availability and cost of residues from agriculture and forestry. GCB Bioenergy, 2016, 8, 456-470.	2.5	127
71	What can and can't we say about indirect landâ€use change in Brazil using an integrated economic â€“ landâ€use change model?. GCB Bioenergy, 2016, 8, 561-578.	2.5	45
72	Bioethanol potential from miscanthus with low <scp>ILUC</scp> risk in the province of Lublin, Poland. GCB Bioenergy, 2016, 8, 909-924.	2.5	14

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73	Linking carbon stock change from land-use change to consumption of agricultural products: A review with Indonesian palm oil as a case study. Journal of Environmental Management, 2016, 184, 340-352.	3.8	7
74	Linking carbon stock change from land-use change to consumption of agricultural products: Alternative perspectives. Journal of Environmental Management, 2016, 182, 542-556.	3.8	13
75	Socio-economic impacts of low-carbon power generation portfolios: Strategies with and without CCS for the Netherlands. Applied Energy, 2016, 183, 257-277.	5.1	21
76	A cost roadmap for silicon heterojunction solar cells. Solar Energy Materials and Solar Cells, 2016, 147, 295-314.	3.0	226
77	Improving uncertainty evaluation of process models by using pedigree analysis. A case study on CO2 capture with monoethanolamine. Computers and Chemical Engineering, 2016, 85, 1-15.	2.0	22
78	Model development and process simulation of postcombustion carbon capture technology with aqueous AMP/PZ solvent. International Journal of Greenhouse Gas Control, 2016, 47, 176-199.	2.3	27
79	Business case uncertainty of power plants in future energy systems with wind power. Energy Policy, 2016, 89, 237-256.	4.2	18
80	Least-cost options for integrating intermittent renewables in low-carbon power systems. Applied Energy, 2016, 161, 48-74.	5.1	217
81	Detecting systemic change in a land use system by Bayesian data assimilation. Environmental Modelling and Software, 2016, 75, 424-438.	1.9	39
82	Competing uses of biomass for energy and chemicals: implications for longâ€term global <scp>CO</scp>₂ mitigation potential. GCB Bioenergy, 2015, 7, 1321-1334.	2.5	50
83	Assessment of driving factors for yield and productivity developments in crop and cattle production as key to increasing sustainable biomass potentials. Food and Energy Security, 2015, 4, 36-75.	2.0	28
84	The feasibility of shortâ€term production strategies for renewable jet fuels â€“ a comprehensive technoâ€economic comparison. Biofuels, Bioproducts and Biorefining, 2015, 9, 778-800.	1.9	196
85	Lifeâ€cycle greenhouse gas emissions and energy payback time of current and prospective silicon heterojunction solar cell designs. Progress in Photovoltaics: Research and Applications, 2015, 23, 1406-1428.	4.4	51
86	Global solid biomass trade for energy by 2020: an assessment of potential import streams and supply costs to Northâ€West Europe under different sustainability constraints. GCB Bioenergy, 2015, 7, 618-634.	2.5	71
87	Method for identifying drivers, barriers and synergies related to the deployment of a CO2 pipeline network. International Journal of Greenhouse Gas Control, 2015, 41, 82-106.	2.3	3
88	Investing in CO2 transport infrastructure under uncertainty: A comparison between ships and pipelines. International Journal of Greenhouse Gas Control, 2015, 41, 174-193.	2.3	38
89	Life cycle impact assessment of bio-based plastics from sugarcane ethanol. Journal of Cleaner Production, 2015, 90, 114-127.	4.6	142
90	Fuels and plastics from lignocellulosic biomass via the furan pathway: an economic analysis. Biofuels, Bioproducts and Biorefining, 2015, 9, 307-325.	1.9	25

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91	Operational flexibility and economics of power plants in future low-carbon power systems. Applied Energy, 2015, 156, 107-128.	5.1	232
92	Agent-based model of the German Biodiesel Supply Chain. Computer Aided Chemical Engineering, 2015, 37, 2045-2050.	0.3	0
93	Techno-economic performance and spatial footprint of infrastructure configurations for large scale CO2 capture in industrial zones. International Journal of Greenhouse Gas Control, 2015, 39, 256-284.	2.3	17
94	Outlook for ethanol production costs in Brazil up to 2030, for different biomass crops and industrial technologies. Applied Energy, 2015, 147, 593-610.	5.1	89
95	The influence of uncertainty in the development of a CO2 infrastructure network. Applied Energy, 2015, 158, 332-347.	5.1	44
96	Model collaboration for the improved assessment of biomass supply, demand, and impacts. GCB Bioenergy, 2015, 7, 422-437.	2.5	54
97	Socio-economic impacts of future electricity generation scenarios in Europe: Potential costs and benefits of using CO 2 Capture and Storage (CCS). International Journal of Greenhouse Gas Control, 2015, 42, 471-484.	2.3	13
98	Bioenergy and climate change mitigation: an assessment. GCB Bioenergy, 2015, 7, 916-944.	2.5	494
99	Legal Harvesting, Sustainable Sourcing and Cascaded Use of Wood for Bioenergy: Their Coverage through Existing Certification Frameworks for Sustainable Forest Management. Forests, 2014, 5, 2163-2211.	0.9	36
100	Uncertainty in the deployment of Carbon Capture and Storage (CCS): A sensitivity analysis to techno-economic parameter uncertainty. International Journal of Greenhouse Gas Control, 2014, 27, 81-102.	2.3	53
101	Damaged forests provide an opportunity to mitigate climate change. GCB Bioenergy, 2014, 6, 44-60.	2.5	67
102	Comparative life cycle assessment of biomass co-firing plants with carbon capture and storage. Applied Energy, 2014, 131, 441-467.	5.1	100
103	Optimization potential of biomass supply chains with torrefaction technology. Biofuels, Bioproducts and Biorefining, 2014, 8, 253-282.	1.9	42
104	Integrated spatiotemporal modelling of bioenergy production potentials, agricultural land use, and related GHG balances; demonstrated for Ukraine. Biofuels, Bioproducts and Biorefining, 2014, 8, 391-411.	1.9	14
105	Comparative analysis of key socio-economic and environmental impacts of smallholder and plantation based jatropha biofuel production systems in Tanzania. Biomass and Bioenergy, 2014, 61, 25-45.	2.9	68
106	Uncertainty in Carbon Capture and Storage (CCS) deployment projections: a cross-model comparison exercise. Climatic Change, 2014, 123, 461-476.	1.7	93
107	Improved cost models for optimizing CO2 pipeline configuration for point-to-point pipelines and simple networks. International Journal of Greenhouse Gas Control, 2014, 22, 25-46.	2.3	86
108	Impacts of large-scale Intermittent Renewable Energy Sources on electricity systems, and how these can be modeled. Renewable and Sustainable Energy Reviews, 2014, 33, 443-466.	8.2	255

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109	Greenhouse gas mitigation effects of integrating biomass production into European agriculture. Biofuels, Bioproducts and Biorefining, 2014, 8, 374-390.	1.9	12
110	Monitoring sustainable biomass flows: General methodology development. Biofuels, Bioproducts and Biorefining, 2014, 8, 83-102.	1.9	12
111	Fuels and plastics from lignocellulosic biomass via the furan pathway; a technical analysis. RSC Advances, 2014, 4, 3536-3549.	1.7	61
112	Carbon payback period and carbon offset parity point of wood pellet production in the Southâ€eastern <scp>United States</scp>. GCB Bioenergy, 2014, 6, 371-389.	2.5	76
113	The economic potential of wood pellet production from alternative, low-value wood sources in the southeast of the U.S.. Biomass and Bioenergy, 2014, 71, 443-454.	2.9	38
114	Energy demand and emissions of the non-energy sector. Energy and Environmental Science, 2014, 7, 482-498.	15.6	62
115	Current and future economic performance of first and second generation biofuels in developing countries. Applied Energy, 2014, 135, 115-141.	5.1	61
116	International and domestic uses of solid biofuels under different renewable energy support scenarios in the European Union. Applied Energy, 2014, 131, 139-157.	5.1	45
117	Benefits of coal-fired power generation with flexible CCS in a future northwest European power system with large scale wind power. International Journal of Greenhouse Gas Control, 2014, 28, 216-233.	2.3	59
118	The influence of risk mitigation measures on the risks, costs and routing of CO 2 pipelines. International Journal of Greenhouse Gas Control, 2014, 29, 104-124.	2.3	19
119	Competing uses of biomass: Assessment and comparison of the performance of bio-based heat, power, fuels and materials. Renewable and Sustainable Energy Reviews, 2014, 40, 964-998.	8.2	132
120	Lignocellulosic feedstock supply systems with intermodal and overseas transportation. Biofuels, Bioproducts and Biorefining, 2014, 8, 794-818.	1.9	21
121	Combining empirical and theory-based land-use modelling approaches to assess economic potential of biofuel production avoiding iLUC: Argentina as a case study. Renewable and Sustainable Energy Reviews, 2014, 34, 208-224.	8.2	24
122	Global experience with jatropha cultivation for bioenergy: An assessment of socio-economic and environmental aspects. Renewable and Sustainable Energy Reviews, 2014, 32, 869-889.	8.2	113
123	Mobilization of biomass for energy from boreal forests in Finland & Russia under present sustainable forest management certification and new sustainability requirements for solid biofuels. Biomass and Bioenergy, 2014, 71, 23-36.	2.9	22
124	Identifying a land use change cellular automaton by Bayesian data assimilation. Environmental Modelling and Software, 2014, 53, 121-136.	1.9	38
125	A General Introduction to International Bioenergy Trade. Lecture Notes in Energy, 2014, , 1-15.	0.2	1
126	Synthesis and Recommendations. Lecture Notes in Energy, 2014, , 213-224.	0.2	0

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127	Techno-economic performance and challenges of applying CO2 capture in the industry: A case study of five industrial plants. International Journal of Greenhouse Gas Control, 2013, 17, 259-279.	2.3	44
128	Benchmarking energy use in the paper industry: a benchmarking study on process unit level. Energy Efficiency, 2013, 6, 49-63.	1.3	55
129	Techno-economic prospects for CO2 capture from distributed energy systems. Renewable and Sustainable Energy Reviews, 2013, 19, 328-347.	8.2	48
130	Analysis of socio-economic impacts of sustainable sugarcaneâ€“ethanol production by means of inter-regional Inputâ€“Output analysis: Demonstrated for Northeast Brazil. Renewable and Sustainable Energy Reviews, 2013, 28, 290-316.	8.2	68
131	Biomass torrefaction technology: Techno-economic status and future prospects. Energy, 2013, 62, 196-214.	4.5	256
132	Techno-economic assessment of micro-algae as feedstock for renewable bio-energy production. Applied Energy, 2013, 102, 461-475.	5.1	107
133	Macro-economic impact of large-scale deployment of biomass resources for energy and materials on a national levelâ€”A combined approach for the Netherlands. Energy Policy, 2013, 59, 727-744.	4.2	33
134	A Sensitivity Analysis of the Global Deployment of CCS to the Cost of Storage and Storage Capacity Estimates. Energy Procedia, 2013, 37, 7537-7544.	1.8	5
135	The GHG contribution of the cascaded use of harvested wood products in comparison with the use of wood for energyâ€”A case study on available forest resources in Canada. Environmental Science and Policy, 2013, 31, 96-108.	2.4	51
136	Technical and economic prospects of coal- and biomass-fired integrated gasification facilities equipped with CCS over time. International Journal of Greenhouse Gas Control, 2013, 16, 311-323.	2.3	44
137	The Techno-Economic Potential of Integrated Gasification Co-Generation Facilities with CCS Going from Coal to Biomass. Energy Procedia, 2013, 37, 6053-6061.	1.8	11
138	The Flexibility Requirements for Power Plants with CCS in a Future Energy System with a Large Share of Intermittent Renewable Energy Sources. Energy Procedia, 2013, 37, 2657-2664.	1.8	12
139	Preliminary Results of a Techno-Economic Assessment of CO2 Capture-network Configurations in the Industry. Energy Procedia, 2013, 37, 7100-7107.	1.8	0
140	Future technological and economic performance of IGCC and FT production facilities with and without CO2 capture: Combining component based learning curve and bottom-up analysis. International Journal of Greenhouse Gas Control, 2013, 16, 287-310.	2.3	32
141	Environmental impact assessment of CCS chains â€“ Lessons learned and limitations from LCA literature. International Journal of Greenhouse Gas Control, 2013, 13, 59-71.	2.3	113
142	Economic Optimization of CO2 Pipeline Configurations. Energy Procedia, 2013, 37, 3105-3112.	1.8	11
143	Fulfilling the electricity demand of electric vehicles in the long term future: An evaluation of centralized and decentralized power supply systems. Applied Energy, 2013, 107, 33-51.	5.1	58
144	Learning in dedicated wood production systems: Past trends, future outlook and implications for bioenergy. Renewable and Sustainable Energy Reviews, 2013, 19, 417-432.	8.2	37

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145	A state-of-the-art review of techno-economic models predicting the costs of CO2 pipeline transport. International Journal of Greenhouse Gas Control, 2013, 16, 241-270.	2.3	129
146	Indirect land use change: review of existing models and strategies for mitigation. Biofuels, 2012, 3, 87-100.	1.4	155
147	Replacing fossil based PET with biobased PEF; process analysis, energy and GHG balance. Energy and Environmental Science, 2012, 5, 6407.	15.6	478
148	Energy conversion strategies in the European paper industry â€“ A case study in three countries. Applied Energy, 2012, 98, 102-113.	5.1	38
149	Jatropha: A Promising Crop for Africaâ€™s Biofuel Production?. , 2012, , 27-40.		0
150	Techno-economic assessment of CO2 capture at steam methane reforming facilities using commercially available technology. International Journal of Greenhouse Gas Control, 2012, 9, 160-171.	2.3	85
151	Effect of CO2 capture on the emissions of air pollutants from industrial processes. International Journal of Greenhouse Gas Control, 2012, 10, 310-328.	2.3	18
152	Informed public opinion in the Netherlands: Evaluation of CO2 capture and storage technologies in comparison with other CO2 mitigation options. International Journal of Greenhouse Gas Control, 2012, 10, 169-180.	2.3	25
153	Performance of simulated flexible integrated gasification polygeneration facilities, Part B: Economic evaluation.. Renewable and Sustainable Energy Reviews, 2012, 16, 6083-6102.	8.2	79
154	Harmonising bioenergy resource potentialsâ€”Methodological lessons from review of state of the art bioenergy potential assessments. Renewable and Sustainable Energy Reviews, 2012, 16, 6598-6630.	8.2	125
155	Performance of batteries for electric vehicles on short and longer term. Journal of Power Sources, 2012, 212, 111-129.	4.0	280
156	Spatiotemporal costâ€supply curves for bioenergy production in Mozambique. Biofuels, Bioproducts and Biorefining, 2012, 6, 405-430.	1.9	20
157	Spatio-temporal uncertainty in Spatial Decision Support Systems: A case study of changing land availability for bioenergy crops in Mozambique. Computers, Environment and Urban Systems, 2012, 36, 30-42.	3.3	45
158	Spatiotemporal land use modelling to assess land availability for energy crops â€“ illustrated for <scp>M</scp>ozambique. GCB Bioenergy, 2012, 4, 859-874.	2.5	30
159	The economic performance of jatropha, cassava and Eucalyptus production systems for energy in an East African smallholder setting. GCB Bioenergy, 2012, 4, 828-845.	2.5	34
160	Spatial variation of environmental impacts of regional biomass chains. Renewable and Sustainable Energy Reviews, 2012, 16, 2053-2069.	8.2	44
161	Developments in international solid biofuel tradeâ€”An analysis of volumes, policies, and market factors. Renewable and Sustainable Energy Reviews, 2012, 16, 3176-3199.	8.2	150
162	Comparative assessment of CO2 capture technologies for carbon-intensive industrial processes. Progress in Energy and Combustion Science, 2012, 38, 87-112.	15.8	364

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163	The environmental impact and risk assessment of CO2 capture, transport and storage â€“ An evaluation of the knowledge base. Progress in Energy and Combustion Science, 2012, 38, 62-86.	15.8	141
164	The global technical and economic potential of bioenergy from salt-affected soils. Energy and Environmental Science, 2011, 4, 2669-2681.	15.6	292
165	Exploring land use changes and the role of palm oil production in Indonesia and Malaysia. Land Use Policy, 2011, 28, 193-206.	2.5	371
166	A global conversation about energy from biomass: the continental conventions of the global sustainable bioenergy project. Interface Focus, 2011, 1, 271-279.	1.5	24
167	Productivity developments in European agriculture: Relations to and opportunities for biomass production. Renewable and Sustainable Energy Reviews, 2011, 15, 2397-2412.	8.2	49
168	Bioenergy. , 2011, , 209-332.		162
169	Impact of international climate policies on CO2 capture and storage deployment. Energy Policy, 2011, 39, 2000-2019.	4.2	49
170	Opportunities and barriers for international bioenergy trade. Energy Policy, 2011, 39, 2028-2042.	4.2	102
171	The European wood pellet markets: current status and prospects for 2020. Biofuels, Bioproducts and Biorefining, 2011, 5, 250-278.	1.9	187
172	Renewable energy targets, forest resources, and second-generation biofuels in Finland. Biofuels, Bioproducts and Biorefining, 2011, 5, 238-249.	1.9	6
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