

Andr Faaij

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

296
papers

22,207
citations

81
h-index

140
g-index

307
ext. papers

24,683
ext. citations

8.1
avg, IF

7.34
L-index

#	Paper	IF	Citations
296	Potential role of natural gas infrastructure in China to supply low-carbon gases during 2020-2050. <i>Applied Energy</i> , 2022 , 306, 117989	10.7	1
295	Regionalization of a national integrated energy system model: A case study of the northern Netherlands. <i>Applied Energy</i> , 2022 , 306, 118035	10.7	2
294	Rapid screening and probabilistic estimation of the potential for CO ₂ -EOR and associated geological CO ₂ storage in Colombian petroleum basins. <i>Petroleum Geoscience</i> , 2022 , 28, petgeo2020-110109	10.9	1
293	Modelling a highly decarbonised North Sea energy system in 2050: A multinational approach. <i>Advances in Applied Energy</i> , 2022 , 5, 100080		3
292	Fully integrated CO ₂ mitigation strategy for an existing refinery: A case study in Colombia. <i>Applied Energy</i> , 2022 , 313, 118771	10.7	0
291	Linear programming formulation of a high temporal and technological resolution integrated energy system model for the energy transition. <i>MethodsX</i> , 2022 , 101732	1.9	0
290	Detailed spatial analysis of renewables potential and heat: A study of Groningen Province in the northern Netherlands. <i>Applied Energy</i> , 2022 , 318, 119149	10.7	
289	Harmonized comparison of virgin steel production using biomass with carbon capture and storage for negative emissions. <i>International Journal of Greenhouse Gas Control</i> , 2021 , 112, 103519	4.2	2
288	A review of the role of spatial resolution in energy systems modelling: Lessons learned and applicability to the North Sea region. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 141, 110857	16.2	11
287	Spatial and temporal analysis of cumulative environmental effects of offshore wind farms in the North Sea basin. <i>Scientific Reports</i> , 2021 , 11, 10125	4.9	4
286	Evaluating the suitability of marginal land for a perennial energy crop on the Loess Plateau of China. <i>GCB Bioenergy</i> , 2021 , 13, 1388-1406	5.6	2
285	Techno-economic and life cycle greenhouse gas emissions assessment of liquefied natural gas supply chain in China. <i>Energy</i> , 2021 , 224, 120049	7.9	4
284	Improving the analytical framework for quantifying technological progress in energy technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 145, 111084	16.2	5
283	Regionalized cost supply potential of bioenergy crops and residues in Colombia: A hybrid statistical balance and land suitability allocation scenario analysis. <i>Biomass and Bioenergy</i> , 2021 , 150, 106096	5.3	3
282	System analysis of the bio-based economy in Colombia: A bottom-up energy system model and scenario analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2021 , 15, 481-501	5.3	3
281	Assessing bio-oil co-processing routes as CO ₂ mitigation strategies in oil refineries. <i>Biofuels, Bioproducts and Biorefining</i> , 2021 , 15, 305-333	5.3	3
280	Measuring accuracy and computational capacity trade-offs in an hourly integrated energy system model. <i>Advances in Applied Energy</i> , 2021 , 1, 100009		7

279	Local energy planning in the built environment: An analysis of model characteristics. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 144, 111030	16.2	1
278	Modelling of decarbonisation transition in national integrated energy system with hourly operational resolution. <i>Advances in Applied Energy</i> , 2021 , 3, 100043		10
277	How does the interplay between resource availability, intersectoral competition and reliability affect a low-carbon power generation mix in Brazil for 2050?. <i>Energy</i> , 2020 , 195, 116948	7.9	8
276	Exploring the potential of carbon capture and storage-enhanced oil recovery as a mitigation strategy in the Colombian oil industry. <i>International Journal of Greenhouse Gas Control</i> , 2020 , 94, 102938 ^{4.2}		12
275	A Spatial Analysis of the Potentials for Offshore Wind Farm Locations in the North Sea Region: Challenges and Opportunities. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 96	2.9	12
274	The potential of a bioeconomy to reduce Brazilian GHG emissions towards 2030: a CGE-based life cycle analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2020 , 14, 265-285	5.3	11
273	Life cycle assessment integration into energy system models: An application for Power-to-Methane in the EU. <i>Applied Energy</i> , 2020 , 259, 114160	10.7	23
272	The distribution of food security impacts of biofuels, a Ghana case study. <i>Biomass and Bioenergy</i> , 2020 , 141, 105695	5.3	15
271	Soft-linking of a behavioral model for transport with energy system cost optimization applied to hydrogen in EU. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 115, 109349	16.2	12
270	Exploring the emergence of a biojet fuel supply chain in Brazil: An agent-based modeling approach. <i>GCB Bioenergy</i> , 2019 , 11, 773-790	5.6	7
269	Pathways for a Brazilian biobased economy: towards optimal utilization of biomass. <i>Biofuels, Bioproducts and Biorefining</i> , 2019 , 13, 673-689	5.3	13
268	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	5.8	17
267	Using dynamic relative climate impact curves to quantify the climate impact of bioenergy production systems over time. <i>GCB Bioenergy</i> , 2019 , 11, 427-443	5.6	3
266	Techno-economic performance of sustainable international bio-SNG production and supply chains on short and longer term. <i>Biofuels, Bioproducts and Biorefining</i> , 2019 , 13, 325-357	5.3	10
265	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	5.3	11
264	Assessing deployment pathways for greenhouse gas emissions reductions in an industrial plant [A case study for a complex oil refinery. <i>Applied Energy</i> , 2019 , 236, 354-378	10.7	30
263	Integrated assessment of biomass supply and demand in climate change mitigation scenarios. <i>Global Environmental Change</i> , 2019 , 54, 88-101	10.1	93
262	On the macro-economic impact of bioenergy and biochemicals [Introducing advanced bioeconomy sectors into an economic modelling framework with a case study for the Netherlands. <i>Biomass and Bioenergy</i> , 2018 , 108, 381-397	5.3	28

261	Interregional assessment of socio-economic effects of sugarcane ethanol production in Brazil. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 88, 347-362	16.2	26
260	A review at the role of storage in energy systems with a focus on Power to Gas and long-term storage. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 81, 1049-1086	16.2	283
259	Carbon balance and economic performance of pine plantations for bioenergy production in the Southeastern United States. <i>Biomass and Bioenergy</i> , 2018 , 117, 44-55	5.3	10
258	Impact of increased wood pellet demand on biodiversity in the south-eastern United States. <i>GCB Bioenergy</i> , 2018 , 10, 841-860	5.6	9
257	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	16.2	18
256	Emerging bioeconomy sectors in energy systems modeling □Integrated systems analysis of electricity, heat, road transport, aviation, and chemicals: a case study for the Netherlands. <i>Biofuels, Bioproducts and Biorefining</i> , 2018 , 12, 665-693	5.3	11
255	Unravelling the potential of energy efficiency in the Colombian oil industry. <i>Journal of Cleaner Production</i> , 2018 , 176, 604-628	10.3	23
254	Identifying key factors for mobilising under-utilised low carbon land resources: A case study on Kalimantan. <i>Land Use Policy</i> , 2018 , 70, 198-211	5.6	7
253	. <i>Energy & Fuels</i> , 2018 , 32, 625-645	4.1	14
252	Analyses of Land Cover Change Trajectories Leading to Tropical Forest Loss: Illustrated for the West Kutai and Mahakam Ulu Districts, East Kalimantan, Indonesia. <i>Land</i> , 2018 , 7, 108	3.5	12
251	Renewable jet fuel supply scenarios in the European Union in 2021□030 in the context of proposed biofuel policy and competing biomass demand. <i>GCB Bioenergy</i> , 2018 , 10, 661-682	5.6	14
250	Exploring policy options to spur the expansion of ethanol production and consumption in Brazil: An agent-based modeling approach. <i>Energy Policy</i> , 2018 , 123, 619-641	7.2	16
249	Potential of Power-to-Methane in the EU energy transition to a low carbon system using cost optimization. <i>Applied Energy</i> , 2018 , 232, 323-340	10.7	90
248	Potential for hydrogen and Power-to-Liquid in a low-carbon EU energy system using cost optimization. <i>Applied Energy</i> , 2018 , 232, 617-639	10.7	86
247	Mapping land use changes resulting from biofuel production and the effect of mitigation measures. <i>GCB Bioenergy</i> , 2018 , 10, 804-824	5.6	26
246	Sustainability constraints in determining European bioenergy potential: A review of existing studies and steps forward. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 69, 719-734	16.2	56
245	Cost optimization of biofuel production □The impact of scale, integration, transport and supply chain configurations. <i>Applied Energy</i> , 2017 , 195, 1055-1070	10.7	95
244	Life-cycle analysis of greenhouse gas emissions from renewable jet fuel production. <i>Biotechnology for Biofuels</i> , 2017 , 10, 64	7.8	114

243	Low-ILUC-risk ethanol from Hungarian maize. <i>Biomass and Bioenergy</i> , 2017 , 99, 57-68	5.3	14
242	GHG emissions and other environmental impacts of indirect land use change mitigation. <i>GCB Bioenergy</i> , 2017 , 9, 725-742	5.6	15
241	Deployment of infrastructure configurations for large-scale CO ₂ capture in industrial zones: A case study for the Rotterdam Botlek area (part B). <i>International Journal of Greenhouse Gas Control</i> , 2017 , 60, 24-50	4.2	9
240	Exploring path dependence, policy interactions, and actor behavior in the German biodiesel supply chain. <i>Applied Energy</i> , 2017 , 195, 370-381	10.7	15
239	Comprehensive characterisation and analysis of PV module performance under real operating conditions. <i>Progress in Photovoltaics: Research and Applications</i> , 2017 , 25, 218-232	6.8	42
238	Unravelling uncertainty and variability in early stage techno-economic assessments of carbon capture technologies. <i>International Journal of Greenhouse Gas Control</i> , 2017 , 56, 221-236	4.2	38
237	Challenges and uncertainties of ex ante techno-economic analysis of low TRL CO ₂ capture technology: Lessons from a case study of an NGCC with exhaust gas recycle and electric swing adsorption. <i>Applied Energy</i> , 2017 , 208, 920-934	10.7	32
236	Modeling the impacts of wood pellet demand on forest dynamics in southeastern United States. <i>Biofuels, Bioproducts and Biorefining</i> , 2017 , 11, 1007-1029	5.3	29
235	How a Pareto frontier complements scenario projections in land use change impact assessment. <i>Environmental Modelling and Software</i> , 2017 , 97, 287-302	5.2	12
234	Geospatial analysis of the energy yield and environmental footprint of different photovoltaic module technologies. <i>Solar Energy</i> , 2017 , 155, 1339-1353	6.8	9
233	Greenhouse gas emission curves for advanced biofuel supply chains. <i>Nature Climate Change</i> , 2017 , 7, 920-924	21.4	39
232	A conceptual framework for the analysis of the effect of institutions on biofuel supply chains. <i>Applied Energy</i> , 2017 , 185, 895-915	10.7	24
231	Exploring under-utilised low carbon land resources from multiple perspectives: Case studies on regencies in Kalimantan. <i>Land Use Policy</i> , 2017 , 60, 150-168	5.6	9
230	Least-cost options for integrating intermittent renewables in low-carbon power systems. <i>Applied Energy</i> , 2016 , 161, 48-74	10.7	172
229	Detecting systemic change in a land use system by Bayesian data assimilation. <i>Environmental Modelling and Software</i> , 2016 , 75, 424-438	5.2	31
228	Linking carbon stock change from land-use change to consumption of agricultural products: Alternative perspectives. <i>Journal of Environmental Management</i> , 2016 , 182, 542-556	7.9	3
227	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	10.7	16
226	A cost roadmap for silicon heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 147, 295-314	6.4	155

225	Improving uncertainty evaluation of process models by using pedigree analysis. A case study on CO ₂ capture with monoethanolamine. <i>Computers and Chemical Engineering</i> , 2016 , 85, 1-15	4	19
224	Model development and process simulation of postcombustion carbon capture technology with aqueous AMP/PZ solvent. <i>International Journal of Greenhouse Gas Control</i> , 2016 , 47, 176-199	4.2	15
223	Business case uncertainty of power plants in future energy systems with wind power. <i>Energy Policy</i> , 2016 , 89, 237-256	7.2	16
222	Projections of the availability and cost of residues from agriculture and forestry. <i>GCB Bioenergy</i> , 2016 , 8, 456-470	5.6	96
221	What can and can't we say about indirect land-use change in Brazil using an integrated economic □ land-use change model?. <i>GCB Bioenergy</i> , 2016 , 8, 561-578	5.6	38
220	Bioethanol potential from miscanthus with low ILUC risk in the province of Lublin, Poland. <i>GCB Bioenergy</i> , 2016 , 8, 909-924	5.6	11
219	Linking carbon stock change from land-use change to consumption of agricultural products: A review with Indonesian palm oil as a case study. <i>Journal of Environmental Management</i> , 2016 , 184, 340-352	7.9	4
218	Fuels and plastics from lignocellulosic biomass via the furan pathway: an economic analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2015 , 9, 307-325	5.3	22
217	Operational flexibility and economics of power plants in future low-carbon power systems. <i>Applied Energy</i> , 2015 , 156, 107-128	10.7	178
216	Agent-based model of the German Biodiesel Supply Chain. <i>Computer Aided Chemical Engineering</i> , 2015 , 37, 2045-2050	0.6	
215	Techno-economic performance and spatial footprint of infrastructure configurations for large scale CO ₂ capture in industrial zones: A case study for the Rotterdam Botlek area (part A). <i>International Journal of Greenhouse Gas Control</i> , 2015 , 39, 256-284	4.2	11
214	Outlook for ethanol production costs in Brazil up to 2030, for different biomass crops and industrial technologies. <i>Applied Energy</i> , 2015 , 147, 593-610	10.7	78
213	The influence of uncertainty in the development of a CO ₂ infrastructure network. <i>Applied Energy</i> , 2015 , 158, 332-347	10.7	35
212	Model collaboration for the improved assessment of biomass supply, demand, and impacts. <i>GCB Bioenergy</i> , 2015 , 7, 422-437	5.6	46
211	Socio-economic impacts of future electricity generation scenarios in Europe: Potential costs and benefits of using CO ₂ Capture and Storage (CCS). <i>International Journal of Greenhouse Gas Control</i> , 2015 , 42, 471-484	4.2	12
210	Bioenergy and climate change mitigation: an assessment. <i>GCB Bioenergy</i> , 2015 , 7, 916-944	5.6	362
209	Competing uses of biomass for energy and chemicals: implications for long-term global CO ₂ mitigation potential. <i>GCB Bioenergy</i> , 2015 , 7, 1321-1334	5.6	34
208	Assessment of driving factors for yield and productivity developments in crop and cattle production as key to increasing sustainable biomass potentials. <i>Food and Energy Security</i> , 2015 , 4, 36-75	4.1	24

207	The feasibility of short-term production strategies for renewable jet fuels in a comprehensive techno-economic comparison. <i>Biofuels, Bioproducts and Biorefining</i> , 2015 , 9, 778-800	5.3	140
206	Life-cycle greenhouse gas emissions and energy payback time of current and prospective silicon heterojunction solar cell designs. <i>Progress in Photovoltaics: Research and Applications</i> , 2015 , 23, 1406-1428	6.8	40
205	Global solid biomass trade for energy by 2020: an assessment of potential import streams and supply costs to North-West Europe under different sustainability constraints. <i>GCB Bioenergy</i> , 2015 , 7, 618-634	5.6	53
204	Method for identifying drivers, barriers and synergies related to the deployment of a CO2 pipeline network. <i>International Journal of Greenhouse Gas Control</i> , 2015 , 41, 82-106	4.2	3
203	Investing in CO2 transport infrastructure under uncertainty: A comparison between ships and pipelines. <i>International Journal of Greenhouse Gas Control</i> , 2015 , 41, 174-193	4.2	31
202	Life cycle impact assessment of bio-based plastics from sugarcane ethanol. <i>Journal of Cleaner Production</i> , 2015 , 90, 114-127	10.3	103
201	Uncertainty in Carbon Capture and Storage (CCS) deployment projections: a cross-model comparison exercise. <i>Climatic Change</i> , 2014 , 123, 461-476	4.5	65
200	Improved cost models for optimizing CO2 pipeline configuration for point-to-point pipelines and simple networks. <i>International Journal of Greenhouse Gas Control</i> , 2014 , 22, 25-46	4.2	70
199	Impacts of large-scale Intermittent Renewable Energy Sources on electricity systems, and how these can be modeled. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 33, 443-466	16.2	185
198	Greenhouse gas mitigation effects of integrating biomass production into European agriculture. <i>Biofuels, Bioproducts and Biorefining</i> , 2014 , 8, 374-390	5.3	8
197	Monitoring sustainable biomass flows: General methodology development. <i>Biofuels, Bioproducts and Biorefining</i> , 2014 , 8, 83-102	5.3	11
196	Fuels and plastics from lignocellulosic biomass via the furan pathway; a technical analysis. <i>RSC Advances</i> , 2014 , 4, 3536-3549	3.7	56
195	Carbon payback period and carbon offset parity point of wood pellet production in the South-eastern United States. <i>GCB Bioenergy</i> , 2014 , 6, 371-389	5.6	60
194	The economic potential of wood pellet production from alternative, low-value wood sources in the southeast of the U.S.. <i>Biomass and Bioenergy</i> , 2014 , 71, 443-454	5.3	34
193	Energy demand and emissions of the non-energy sector. <i>Energy and Environmental Science</i> , 2014 , 7, 482-494	5.9	47
192	Current and future economic performance of first and second generation biofuels in developing countries. <i>Applied Energy</i> , 2014 , 135, 115-141	10.7	52
191	International and domestic uses of solid biofuels under different renewable energy support scenarios in the European Union. <i>Applied Energy</i> , 2014 , 131, 139-157	10.7	41
190	Benefits of coal-fired power generation with flexible CCS in a future northwest European power system with large scale wind power. <i>International Journal of Greenhouse Gas Control</i> , 2014 , 28, 216-233	4.2	51

189	The influence of risk mitigation measures on the risks, costs and routing of CO ₂ pipelines. <i>International Journal of Greenhouse Gas Control</i> , 2014 , 29, 104-124	4.2	19
188	Competing uses of biomass: Assessment and comparison of the performance of bio-based heat, power, fuels and materials. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 40, 964-998	16.2	109
187	Lignocellulosic feedstock supply systems with intermodal and overseas transportation. <i>Biofuels, Bioproducts and Biorefining</i> , 2014 , 8, 794-818	5.3	19
186	Combining empirical and theory-based land-use modelling approaches to assess economic potential of biofuel production avoiding iLUC: Argentina as a case study. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 34, 208-224	16.2	19
185	Global experience with jatropha cultivation for bioenergy: An assessment of socio-economic and environmental aspects. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 32, 869-889	16.2	100
184	Mobilization of biomass for energy from boreal forests in Finland & Russia under present sustainable forest management certification and new sustainability requirements for solid biofuels. <i>Biomass and Bioenergy</i> , 2014 , 71, 23-36	5.3	20
183	Identifying a land use change cellular automaton by Bayesian data assimilation. <i>Environmental Modelling and Software</i> , 2014 , 53, 121-136	5.2	34
182	Legal Harvesting, Sustainable Sourcing and Cascaded Use of Wood for Bioenergy: Their Coverage through Existing Certification Frameworks for Sustainable Forest Management. <i>Forests</i> , 2014 , 5, 2163-2211	2.8	29
181	Uncertainty in the deployment of Carbon Capture and Storage (CCS): A sensitivity analysis to techno-economic parameter uncertainty. <i>International Journal of Greenhouse Gas Control</i> , 2014 , 27, 81-102	10.2	43
180	Damaged forests provide an opportunity to mitigate climate change. <i>GCB Bioenergy</i> , 2014 , 6, 44-60	5.6	58
179	Comparative life cycle assessment of biomass co-firing plants with carbon capture and storage. <i>Applied Energy</i> , 2014 , 131, 441-467	10.7	75
178	Optimization potential of biomass supply chains with torrefaction technology. <i>Biofuels, Bioproducts and Biorefining</i> , 2014 , 8, 253-282	5.3	35
177	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	5.3	12
176	Comparative analysis of key socio-economic and environmental impacts of smallholder and plantation based jatropha biofuel production systems in Tanzania. <i>Biomass and Bioenergy</i> , 2014 , 61, 25-45	5.3	62
175	Medium and Long-Term Perspectives of International Bioenergy Trade. <i>Lecture Notes in Energy</i> , 2014 , 173-189	0.4	
174	A General Introduction to International Bioenergy Trade. <i>Lecture Notes in Energy</i> , 2014 , 1-15	0.4	0
173	Synthesis and Recommendations. <i>Lecture Notes in Energy</i> , 2014 , 213-224	0.4	
172	Techno-economic performance and challenges of applying CO ₂ capture in the industry: A case study of five industrial plants. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 17, 259-279	4.2	35

171	Benchmarking energy use in the paper industry: a benchmarking study on process unit level. <i>Energy Efficiency</i> , 2013 , 6, 49-63	3	42
170	Techno-economic prospects for CO2 capture from distributed energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 19, 328-347	16.2	42
169	Analysis of socio-economic impacts of sustainable sugarcane ethanol production by means of inter-regional Input-Output analysis: Demonstrated for Northeast Brazil. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 28, 290-316	16.2	60
168	Biomass torrefaction technology: Techno-economic status and future prospects. <i>Energy</i> , 2013 , 62, 196-214	4.4	214
167	Techno-economic assessment of micro-algae as feedstock for renewable bio-energy production. <i>Applied Energy</i> , 2013 , 102, 461-475	10.7	93
166	Macro-economic impact of large-scale deployment of biomass resources for energy and materials on a national level: A combined approach for the Netherlands. <i>Energy Policy</i> , 2013 , 59, 727-744	7.2	30
165	A Sensitivity Analysis of the Global Deployment of CCS to the Cost of Storage and Storage Capacity Estimates. <i>Energy Procedia</i> , 2013 , 37, 7537-7544	2.3	4
164	The GHG contribution of the cascaded use of harvested wood products in comparison with the use of wood for energy: A case study on available forest resources in Canada. <i>Environmental Science and Policy</i> , 2013 , 31, 96-108	6.2	48
163	Technical and economic prospects of coal- and biomass-fired integrated gasification facilities equipped with CCS over time. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 16, 311-323	4.2	40
162	The Techno-Economic Potential of Integrated Gasification Co-Generation Facilities with CCS Going from Coal to Biomass. <i>Energy Procedia</i> , 2013 , 37, 6053-6061	2.3	10
161	The Flexibility Requirements for Power Plants with CCS in a Future Energy System with a Large Share of Intermittent Renewable Energy Sources. <i>Energy Procedia</i> , 2013 , 37, 2657-2664	2.3	11
160	Preliminary Results of a Techno-Economic Assessment of CO2 Capture-network Configurations in the Industry. <i>Energy Procedia</i> , 2013 , 37, 7100-7107	2.3	
159	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. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 16, 287-310	4.2	30
158	Environmental impact assessment of CCS chains: Lessons learned and limitations from LCA literature. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 13, 59-71	4.2	91
157	Economic Optimization of CO2 Pipeline Configurations. <i>Energy Procedia</i> , 2013 , 37, 3105-3112	2.3	7
156	Fulfilling the electricity demand of electric vehicles in the long term future: An evaluation of centralized and decentralized power supply systems. <i>Applied Energy</i> , 2013 , 107, 33-51	10.7	50
155	Learning in dedicated wood production systems: Past trends, future outlook and implications for bioenergy. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 19, 417-432	16.2	31
154	A state-of-the-art review of techno-economic models predicting the costs of CO2 pipeline transport. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 16, 241-270	4.2	104

153	Spatiotemporal land use modelling to assess land availability for energy crops illustrated for Mozambique. <i>GCB Bioenergy</i> , 2012 , 4, 859-874	5.6	25
152	The economic performance of jatropha, cassava and Eucalyptus production systems for energy in an East African smallholder setting. <i>GCB Bioenergy</i> , 2012 , 4, 828-845	5.6	31
151	Spatial variation of environmental impacts of regional biomass chains. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 2053-2069	16.2	36
150	Developments in international solid biofuel trade—An analysis of volumes, policies, and market factors. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 3176-3199	16.2	134
149	Comparative assessment of CO2 capture technologies for carbon-intensive industrial processes. <i>Progress in Energy and Combustion Science</i> , 2012 , 38, 87-112	33.6	304
148	The environmental impact and risk assessment of CO2 capture, transport and storage [An evaluation of the knowledge base. <i>Progress in Energy and Combustion Science</i> , 2012 , 38, 62-86	33.6	124
147	Replacing fossil based PET with biobased PEF; process analysis, energy and GHG balance. <i>Energy and Environmental Science</i> , 2012 , 5, 6407	35.4	360
146	Energy conversion strategies in the European paper industry [A case study in three countries. <i>Applied Energy</i> , 2012 , 98, 102-113	10.7	26
145	Jatropha: A Promising Crop for Africa—Biofuel Production? 2012 , 27-40		
144	Techno-economic assessment of CO2 capture at steam methane reforming facilities using commercially available technology. <i>International Journal of Greenhouse Gas Control</i> , 2012 , 9, 160-171	4.2	72
143	Effect of CO2 capture on the emissions of air pollutants from industrial processes. <i>International Journal of Greenhouse Gas Control</i> , 2012 , 10, 310-328	4.2	15
142	Informed public opinion in the Netherlands: Evaluation of CO2 capture and storage technologies in comparison with other CO2 mitigation options. <i>International Journal of Greenhouse Gas Control</i> , 2012 , 10, 169-180	4.2	21
141	Performance of simulated flexible integrated gasification polygeneration facilities, Part B: Economic evaluation.. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 6083-6102	16.2	65
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