

Pantelis Capros

List of Publications by Citations

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72
papers

1,720
citations

21
h-index

40
g-index

80
ext. papers

2,085
ext. citations

5.5
avg, IF

4.71
L-index

#	Paper	IF	Citations
72	Locked into Copenhagen pledges Implications of short-term emission targets for the cost and feasibility of long-term climate goals. <i>Technological Forecasting and Social Change</i> , 2015 , 90, 8-23	9.5	222
71	Energy system impacts and policy implications of the European Intended Nationally Determined Contribution and low-carbon pathway to 2050. <i>Energy Policy</i> , 2017 , 100, 216-226	7.2	112
70	Making or breaking climate targets: The AMPERE study on staged accession scenarios for climate policy. <i>Technological Forecasting and Social Change</i> , 2015 , 90, 24-44	9.5	109
69	European decarbonisation pathways under alternative technological and policy choices: A multi-model analysis. <i>Energy Strategy Reviews</i> , 2014 , 2, 231-245	9.8	82
68	Description of models and scenarios used to assess European decarbonisation pathways. <i>Energy Strategy Reviews</i> , 2014 , 2, 220-230	9.8	73
67	Analysis of the EU policy package on climate change and renewables. <i>Energy Policy</i> , 2011 , 39, 1476-1485	7.2	67
66	Looking under the hood: A comparison of techno-economic assumptions across national and global integrated assessment models. <i>Energy</i> , 2019 , 172, 1254-1267	7.9	62
65	Outlook of the EU energy system up to 2050: The case of scenarios prepared for European Commission's 'Clean energy for all Europeans' package using the PRIMES model. <i>Energy Strategy Reviews</i> , 2018 , 22, 255-263	9.8	61
64	Low-CO2 energy pathways and regional air pollution in Europe. <i>Energy Policy</i> , 2001 , 29, 871-884	7.2	57
63	Model-based analysis of decarbonising the EU economy in the time horizon to 2050. <i>Energy Strategy Reviews</i> , 2012 , 1, 76-84	9.8	56
62	Sensitivity of projected long-term CO2 emissions across the Shared Socioeconomic Pathways. <i>Nature Climate Change</i> , 2017 , 7, 113-117	21.4	52
61	Energy-system modelling of the EU strategy towards climate-neutrality. <i>Energy Policy</i> , 2019 , 134, 11096	7.2	52
60	Female labour force participation and economic growth in the South Mediterranean countries. <i>Economics Letters</i> , 2013 , 120, 323-328	1.3	43
59	Combined MCDA/P Approach for Project Selection in the Electricity Market. <i>Annals of Operations Research</i> , 2003 , 120, 159-170	3.2	43
58	Assessment of carbon leakage through the industry channel: The EU perspective. <i>Technological Forecasting and Social Change</i> , 2015 , 90, 204-219	9.5	41
57	Transformations of the energy system in the context of the decarbonisation of the EU economy in the time horizon to 2050. <i>Energy Strategy Reviews</i> , 2012 , 1, 85-96	9.8	38
56	COST CONCEPTS FOR CLIMATE CHANGE MITIGATION. <i>Climate Change Economics</i> , 2013 , 04, 1340003	0.9	36

55	Simulating deep CO ₂ emission reduction in transport in a general equilibrium framework: The GEM-E3T model. <i>Transportation Research, Part D: Transport and Environment</i> , 2017 , 55, 343-358	6.4	35
54	CO ₂ and energy efficiency car standards in the EU in the context of a decarbonisation strategy: A model-based policy assessment. <i>Energy Policy</i> , 2015 , 84, 22-34	7.2	30
53	Implications of delaying transport decarbonisation in the EU: A systems analysis using the PRIMES model. <i>Energy Policy</i> , 2018 , 121, 48-60	7.2	27
52	Factors Influencing Electric Vehicle Penetration in the EU by 2030: A Model-Based Policy Assessment. <i>Energies</i> , 2019 , 12, 2739	3.1	25
51	The implications of initiating immediate climate change mitigation – A potential for co-benefits?. <i>Technological Forecasting and Social Change</i> , 2015 , 90, 166-177	9.5	21
50	ERIS: A model prototype with endogenous technological change. <i>International Journal of Global Energy Issues</i> , 2000 , 14, 347	0.3	19
49	Tracking sectoral progress in the deep decarbonisation of energy systems in Europe. <i>Energy Policy</i> , 2017 , 110, 509-517	7.2	18
48	Technology evolution and energy modelling: overview of research and findings. <i>International Journal of Global Energy Issues</i> , 2000 , 14, 1	0.3	18
47	Incorporating Uncertainty into World Energy Modelling: the PROMETHEUS Model. <i>Environmental Modeling and Assessment</i> , 2015 , 20, 549-569	2	17
46	First-mover advantages of the European Union's climate change mitigation strategy. <i>International Journal of Energy Research</i> , 2016 , 40, 814-830	4.5	17
45	Economic-Engineering Modelling of the Buildings Sector to Study the Transition towards Deep Decarbonisation in the EU. <i>Energies</i> , 2019 , 12, 2745	3.1	15
44	Energy System Modelling of Carbon-Neutral Hydrogen as an Enabler of Sectoral Integration within a Decarbonization Pathway. <i>Energies</i> , 2019 , 12, 2551	3.1	14
43	Model-based analysis of the future strategies for the MENA energy system. <i>Energy Strategy Reviews</i> , 2013 , 2, 59-70	9.8	14
42	Biomass Futures: an integrated approach for estimating the future contribution of biomass value chains to the European energy system and inform future policy formation. <i>Biofuels, Bioproducts and Biorefining</i> , 2013 , 7, 106-114	5.3	11
41	Very high penetration of renewable energy sources to the European electricity system in the context of model-based analysis of an energy roadmap towards a low carbon EU economy by 2050 2012 ,		11
40	An empirical assessment of macroeconometric and CGE approaches in policy modeling. <i>Journal of Policy Modeling</i> , 1990 , 12, 557-585	2.4	11
39	A short note on integrated assessment modeling approaches: Rejoinder to the review of [Making or breaking climate targets – The AMPERE study on staged accession scenarios for climate policy]	9.5	10
38	Energy systems analysis of CCS development in Europe 2008 ,		10

37	Multicriteria analysis using a large-scale energy supply LP model. <i>European Journal of Operational Research</i> , 1990 , 44, 383-394	5.6	10
36	Energy system transition and macroeconomic impacts of a European decarbonization action towards a below 2 °C climate stabilization. <i>Climatic Change</i> , 2020 , 162, 1857-1875	4.5	10
35	The impact of hydrocarbon resources and GDP growth assumptions for the evolution of the EU energy system for the medium and long term. <i>Energy Strategy Reviews</i> , 2015 , 6, 64-79	9.8	9
34	Assessment of the macroeconomic and sectoral effects of higher electricity and gas prices in the EU: A general equilibrium modeling approach. <i>Energy Strategy Reviews</i> , 2016 , 9, 18-27	9.8	9
33	Analyzing the bio-energy supply system in the context of the 20-20-20 targets and the 2050 decarbonization targets in the EU. <i>Biofuels, Bioproducts and Biorefining</i> , 2013 , 7, 126-146	5.3	9
32	The European energy outlook to 2010 and 2030. <i>International Journal of Global Energy Issues</i> , 2000 , 14, 137	0.3	9
31	Modelling the EU Internal Electricity Market: The PRIMES-IEM Model. <i>Energies</i> , 2019 , 12, 2887	3.1	8
30	Kyoto and technology at the European Union: costs of emission reduction under flexibility mechanisms and technology progress. <i>International Journal of Global Energy Issues</i> , 2000 , 14, 169	0.3	8
29	Decision support system framework of the PRIMES energy model of the European Commission. <i>International Journal of Global Energy Issues</i> , 1999 , 12, 92	0.3	8
28	3.1. Short and medium-term modeling and problems of models linkage. <i>Energy</i> , 1990 , 15, 301-324	7.9	7
27	Market imperfections in a general equilibrium framework. <i>Economic Modelling</i> , 1991 , 8, 116-128	3.4	6
26	Energy and fleet modelling within the TRIMODE integrated transport model framework for Europe. <i>Transportation Research Procedia</i> , 2019 , 37, 369-376	2.4	5
25	Endogenous learning in European post-Kyoto scenarios: results from applying the market equilibrium model PRIMES. <i>International Journal of Global Energy Issues</i> , 2000 , 14, 249	0.3	5
24	European Energy and CO ₂ Emissions Trends to 2020: PRIMES model v.2. <i>Bulletin of Science, Technology and Society</i> , 1999 , 19, 474-492	0.2	5
23	Employment impacts of energy: A survey and framework for analysis. <i>Socio-Economic Planning Sciences</i> , 1992 , 26, 257-274	3.7	5
22	4.5. Multiobjective programming. <i>Energy</i> , 1990 , 15, 583-605	7.9	5
21	Energy policy analysis. <i>Energy Policy</i> , 1988 , 16, 36-48	7.2	5
20	Narrative-driven alternative roads to achieve mid-century CO ₂ net neutrality in Europe. <i>Energy</i> , 2022 , 239, 121908	7.9	5

19	Energy strategy research [Charter and perspectives of an emerging discipline. <i>Energy Strategy Reviews</i> , 2013 , 1, 135-137	9.8	4
18	Restructuring transport sector towards sustainability: infrastructure and market prospects of alternative fuels in EU transportation. <i>International Journal of Decision Support Systems</i> , 2015 , 1, 210	0.8	4
17	Modelling the regional economic impacts of energy development: a survey. <i>Socio-Economic Planning Sciences</i> , 1987 , 21, 151-158	3.7	4
16	Economic and energy system implications of the European CO2 mitigation strategy for 2010: a model-based analysis. <i>International Journal of Environment and Pollution</i> , 1998 , 10, 403	0.7	3
15	Female Labor Force Participation and Economic Development 2015 , 303-318		3
14	Macroeconomic scenarios for the south Mediterranean countries: Evidence from general equilibrium model simulation results. <i>Economic Systems</i> , 2015 , 39, 121-142	1.8	2
13	A Regional Economy-Energy-Transport Model of the EU for Assessing Decarbonization in Transport. <i>Energies</i> , 2019 , 12, 3128	3.1	2
12	The role of carbon standards on passenger cars towards the reduction of GHG emissions in EU: A model-based scenario analysis 2014 ,		2
11	European Union post-Kyoto scenarios: benefits from accelerated technology progress. <i>International Journal of Global Energy Issues</i> , 2000 , 14, 204	0.3	2
10	Simulating the Evolution of Business Models for Electricity Recharging Infrastructure Development by 2030: A Case Study for Greece. <i>Energies</i> , 2021 , 14, 2345	3.1	2
9	Hydroclimatic change challenges the EU planned transition to a carbon neutral electricity system. <i>Environmental Research Letters</i> , 2021 , 16, 104011	6.2	2
8	Renewable energy expansion and interaction in Europe: High resolution of RES potentials in energy system modeling 2015 ,		1
7	Further experiments with ERIS model prototype: sensitivity analysis for post-Kyoto. <i>International Journal of Global Energy Issues</i> , 2000 , 14, 281	0.3	1
6	Regional Low-Emission Pathways from Global Models. <i>SSRN Electronic Journal</i> ,	1	1
5	Model-Based Assessment of Electricity Storage in a European System Producing Hydrogen and Hydrocarbons From Renewable Energy 2019 ,		1
4	Policy Modelling for Ambitious Energy Efficiency Investment in the EU Residential Buildings. <i>Energies</i> , 2022 , 15, 2233	3.1	1
3	Analysis of Future Common Strategies Between the South and East Mediterranean Area and the EU in the Energy Sector 2016 , 155-183		0
2	Tax reform within the EEC internal market: empirical analysis with two macroeconomic modelling approaches 1993 , 263-286		

1 Energy Demand and GHG Mitigation Options. *Advances in Global Change Research*, **2013**, 299-335

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