

Pao-Yu Oei

List of Publications by Year in descending order

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41
papers

1,283
citations

361413
20
h-index

454955
30
g-index

44
all docs

44
docs citations

44
times ranked

954
citing authors

#	ARTICLE	IF	CITATIONS
1	The political economy of coal in Poland: Drivers and barriers for a shift away from fossil fuels. Energy Policy, 2020, 144, 111621.	8.8	144
2	Designing a Model for the Global Energy Systemâ€”GENeSYS-MOD: An Application of the Open-Source Energy Modeling System (OSeMOSYS). Energies, 2017, 10, 1468.	3.1	127
3	Lessons from Germanyâ€™s hard coal mining phase-out: policies and transition from 1950 to 2018. Climate Policy, 2020, 20, 963-979.	5.1	109
4	Decarbonizing Chinaâ€™s energy system â€“ Modeling the transformation of the electricity, transportation, heat, and industrial sectors. Applied Energy, 2019, 255, 113820.	10.1	106
5	Coal phase-out in Germany â€“ Implications and policies for affected regions. Energy, 2020, 196, 117004.	8.8	88
6	Pathways for Germanyâ€™s Low-Carbon Energy Transformation Towards 2050. Energies, 2019, 12, 2988.	3.1	54
7	Comparing coal phase-out pathways: The United Kingdomâ€™s and Germanyâ€™s diverging transitions. Environmental Innovation and Societal Transitions, 2020, 37, 238-253.	5.5	53
8	Environmental Kuznets curve in France and Germany: Role of renewable and nonrenewable energy. Renewable Energy, 2021, 172, 88-99.	8.9	53
9	Solar PV generation in Colombia - A qualitative and quantitative approach to analyze the potential of solar energy market. Renewable Energy, 2020, 148, 1266-1279.	8.9	49
10	The integration of renewable energies into the German transmission gridâ€“A scenario comparison. Energy Policy, 2013, 61, 140-150.	8.8	43
11	Coal transitionsâ€”part 1: a systematic map and review of case study learnings from regional, national, and local coal phase-out experiences. Environmental Research Letters, 2021, 16, 113003.	5.2	40
12	Modeling the low-carbon transition of the European energy system - A quantitative assessment of the stranded assets problem. Energy Strategy Reviews, 2019, 26, 100422.	7.3	38
13	Exploring Energy Pathways for the Low-Carbon Transformation in Indiaâ€“A Model-Based Analysis. Energies, 2018, 11, 3001.	3.1	37
14	How a "Low Carbon" Innovation Can Fail--Tales from a "Lost Decade" for Carbon Capture, Transport, and Sequestration (CCTS). Economics of Energy and Environmental Policy, 2012, 1, .	1.4	34
15	Economic Resilience of German Lignite Regions in Transition. Sustainability, 2019, 11, 5991.	3.2	30
16	Prospects for steam coal exporters in the era of climate policies: a case study of Colombia. Climate Policy, 2019, 19, 73-91.	5.1	29
17	Analyzing Scenarios for the Integration of Renewable Energy Sources in the Mexican Energy Systemâ€“An Application of the Global Energy System Model (GENeSYS-MOD). Energies, 2019, 12, 3270.	3.1	27
18	Modeling a Carbon Capture, Transport, and Storage Infrastructure for Europe. Environmental Modeling and Assessment, 2014, 19, 515-531.	2.2	25

#	ARTICLE	IF	CITATIONS
19	Development and modelling of different decarbonization scenarios of the European energy system until 2050 as a contribution to achieving the ambitious 1.5 °C climate target – establishment of open source/data modelling in the European H2020 project openENTRANCE. Elektrotechnik Und Informationstechnik, 2020, 137, 346-358.	1.1	25
20	Effects of decarbonization on the energy system and related employment effects in South Africa. Environmental Science and Policy, 2021, 124, 73-84.	4.9	24
21	South Africa's energy transition – Unraveling its political economy. Energy for Sustainable Development, 2022, 69, 164-178.	4.5	22
22	The death valley of coal – Modelling COVID-19 recovery scenarios for steam coal markets. Applied Energy, 2021, 288, 116564.	10.1	21
23	Scenarios for Coal-Exit in Germany – A Model-Based Analysis and Implications in the European Context. Energies, 2020, 13, 2041.	3.1	15
24	Chances and barriers for Germany's low carbon transition - Quantifying uncertainties in key influential factors. Energy, 2022, 239, 121901.	8.8	15
25	CO2 Highways for Europe: Modeling a Carbon Capture, Transport and Storage Infrastructure for Europe. SSRN Electronic Journal, 0, , .	0.4	14
26	Lessons from Modeling 100% Renewable Scenarios Using GENeSYS-MOD. Economics of Energy and Environmental Policy, 2020, 9, .	1.4	12
27	European Scenarios of CO2 Infrastructure Investment until 2050. Energy Journal, 2016, 37, 171-194.	1.7	11
28	Transporting and Storing High-Level Nuclear Waste in the U.S. – Insights from a Mathematical Model. Applied Sciences (Switzerland), 2019, 9, 2437.	2.5	9
29	Strengthening Gender Justice in a Just Transition: A Research Agenda Based on a Systematic Map of Gender in Coal Transitions. Energies, 2021, 14, 5985.	3.1	9
30	Renewable Energy Sources as the Cornerstone of the German Energiewende. , 2018, , 141-172.		5
31	Scenarios for decarbonizing the European electricity sector. , 2017, , .		3
32	Greenhouse Gas Emission Reductions and the Phasing-out of Coal in Germany. , 2018, , 81-116.		3
33	CO2 Speicherung in Deutschland: Eine Brückentechnologie als Klimaförderung?. Zeitschrift für Energiewirtschaft, 2011, 35, 263-273.	0.2	2
34	WATER-Model: An Optimal Allocation of Water Resources in Turkey, Syria and Iraq. SSRN Electronic Journal, 0, , .	0.4	2
35	The Transformation of the German Coal Sector from 1950 to 2017: An Historical Overview. , 2018, , 45-78.		2
36	The impact of policy measures on future power generation portfolio and infrastructure: a combined electricity and CCTS investment and dispatch model (ELCO). Energy Systems, 2018, 9, 1025-1054.	3.0	1

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37	CO2 Speicherung in Deutschland Eine Brückentechnologie als Klimailösung? Modellansatz zur CO2 -Abscheidung, -Transport und -Speicherung (CCTS). SSRN Electronic Journal, 0, , .	0.4	0
38	Consequences of the UK energy market reform on the development of Carbon Capture, Transport, and Storage. , 2015, , .		0
39	The Impact of Policy Measures on Future Power Generation Portfolio and Infrastructure: A Combined Electricity and CCTS Investment and Dispatch Model (ELCO). SSRN Electronic Journal, 0, , .	0.4	0
40	Modeling the Low-Carbon Transformation in Europe: Developing Paths for the European Energy System Until 2050. , 2018, , 345-374.		0
41	General Conclusions: 15 Lessons from the First Phase of the Energiewende. , 2018, , 377-387.		0