Fei Teng

List of Publications by Year
in descending order

61	2,191	236925 25	233421 45
papers	citations	h-index	g-index

61	61	61	1889
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimation of urban residential electricity demand in China using household survey data. Energy Policy, 2013, 61, 394-402.	8.8	180
2	Towards carbon neutrality: A study on China's long-term low-carbon transition pathways and strategies. Environmental Science and Ecotechnology, 2022, 9, 100134.	13.5	118
3	Developed and developing world responsibilities for historical climate change and CO ₂ mitigation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12911-12915.	7.1	115
4	Exploring fair and ambitious mitigation contributions under the Paris Agreement goals. Environmental Science and Policy, 2017, 74, 49-56.	4.9	109
5	The 1.5Â°C target and coal sector transition: at the limits of societal feasibility. Climate Policy, 2018, 18, 335-351.	5.1	102
6	Incorporating environmental co-benefits into climate policies: A regional study of the cement industry in China. Applied Energy, 2013, 112, 1446-1453.	10.1	99
7	A pathway design framework for national low greenhouse gas emission development strategies. Nature Climate Change, 2019, 9, 261-268.	18.8	93
8	Sharing emission space at an equitable basis: Allocation scheme based on the equal cumulative emission per capita principle. Applied Energy, 2014, 113, 1810-1818.	10.1	90
9	When carbon emission trading meets a regulated industry: Evidence from the electricity sector of China. Journal of Public Economics, 2021, 200, 104470.	4.3	88
10	China energy-water nexus: Assessing the water-saving synergy effects of energy-saving policies during the eleventh Five-year Plan. Energy Conversion and Management, 2014, 85, 630-637.	9.2	86
11	The air quality co-benefit of coal control strategy in China. Resources, Conservation and Recycling, 2018, 129, 373-382.	10.8	82
12	Exploring the nexus between water saving and energy conservation: Insights from industry sector during the 12th Five-Year Plan period in China. Renewable and Sustainable Energy Reviews, 2016, 59, 28-38.	16.4	64
13	Chinaâ€™s emissions trading takes steps towards big ambitions. Nature Climate Change, 2018, 8, 265-267.	18.8	62
14	Metric of Carbon Equity: Carbon Gini Index Based on Historical Cumulative Emission per Capita. Advances in Climate Change Research, 2011, 2, 134-140.	5.1	49
15	Equitable Access to Sustainable Development: Based on the comparative study of carbon emission rights allocation schemes. Applied Energy, 2014, 130, 632-640.	10.1	48
16	Introducing the emissions trading system to Chinaâ€™s electricity sector: Challenges and opportunities. Energy Policy, 2014, 75, 39-45.	8.8	45
17	The environmental co-benefit and economic impact of China's low-carbon pathways: Evidence from linking bottom-up and top-down models. Renewable and Sustainable Energy Reviews, 2021, 136, 110438.	16.4	44
18	The evolution of climate governance in China: drivers, features, and effectiveness. Environmental Politics, 2021, 30, 141-161.	5.4	43

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19	Effects of pollution control measures on carbon emission reduction in China: evidence from the 11th and 12th Five-Year Plans. Climate Policy, 2018, 18, 198-209.	5.1	41
20	The structural changes and determinants of household energy choices and energy consumption in urban China: Addressing the role of building type. Energy Policy, 2020, 139, 111314.	8.8	41
21	Clean development mechanism practice in China: Current status and possibilities for future regime. Energy, 2010, 35, 4328-4335.	8.8	35
22	Air quality benefit of Chinaâ€™s mitigation target to peak its emission by 2030. Climate Policy, 2018, 18, 99-110.	5.1	35
23	CCS scenarios optimization by spatial multi-criteria analysis: Application to multiple source sink matching in Hebei province. International Journal of Greenhouse Gas Control, 2010, 4, 341-350.	4.6	33
24	A comparison of carbon allocation schemes: On the equity-efficiency tradeoff. Energy, 2014, 74, 222-229.	8.8	31
25	Can China Peak Its Non-CO₂ GHG Emissions before 2030 by Implementing Its Nationally Determined Contribution?. Environmental Science & Technology, 2019, 53, 12168-12176.	10.0	30
26	Carbon leakage scrutiny in ETS and non-ETS industrial sectors in China. Resources, Conservation and Recycling, 2018, 129, 424-431.	10.8	26
27	Countriesâ€™ emission allowances towards the low-carbon world: A consistent study. Applied Energy, 2015, 155, 218-228.	10.1	25
28	Interactions between Market Reform and a Carbon Price in Chinaâ€™s Power Sector. Economics of Energy and Environmental Policy, 2017, 6, .	1.4	25
29	Reaping the Economic Benefits of Decarbonization for China. China and World Economy, 2014, 22, 37-54.	2.1	24
30	Multi-model comparison of CO2 emissions peaking in China: Lessons from CEMF01 study. Advances in Climate Change Research, 2018, 9, 1-15.	5.1	24
31	A global analysis of CO ₂ and non-CO ₂ GHG emissions embodied in trade with Belt and Road Initiative countries. Ecosystem Health and Sustainability, 2020, 6, .	3.1	24
32	Peaking Chinaâ€™s CO2 Emissions: Trends to 2030 and Mitigation Potential. Energies, 2017, 10, 209.	3.1	23
33	Efficiency of Carbon storage with leakage: Physical and economical approaches. Energy, 2007, 32, 540-548.	8.8	21
34	Costâ€“benefit analysis of Chinaâ€™s Intended Nationally Determined Contributions based on carbon marginal cost curves. Applied Energy, 2018, 227, 415-425.	10.1	21
35	Identifying the industrial sectors at risk of carbon leakage in China. Climate Policy, 2017, 17, 443-457.	5.1	18
36	Mitigating Sulfur Hexafluoride (SF6) Emission from Electrical Equipment in China. Sustainability, 2018, 10, 2402.	3.2	17

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37	Pathway and policy analysis to Chinaâ€™s deep decarbonization. Chinese Journal of Population Resources and Environment, 2017, 15, 39-49.	1.5	16
38	Climate technology transfer in BRI era: needs, priorities, and barriers from receiversâ€™ perspective. Ecosystem Health and Sustainability, 2020, 6, .	3.1	15
39	CCS scenarios optimisation by spatial multi-criteria analysis: Application to multiple source-sink matching in the Bohai Basin (North China). Energy Procedia, 2009, 1, 4167-4174.	1.8	14
40	Technology opportunity discovery of proton exchange membrane fuel cells based on generative topographic mapping. Technological Forecasting and Social Change, 2021, 169, 120859.	11.6	13
41	Chinaâ€™s Non-CO2 Greenhouse Gas Emissions: Future Trajectories and Mitigation Options and Potential. Scientific Reports, 2019, 9, 16095.	3.3	12
42	Understanding Marginal Abatement Cost Curves in Energy-intensive Industries in China: Insights from Comparison of Different models. Energy Procedia, 2014, 61, 318-322.	1.8	11
43	Challenges to addressing non-CO₂greenhouse gases in Chinaâ€™s long-term climate strategy. Climate Policy, 2018, 18, 1059-1065.	5.1	11
44	National climate institutions complement targets and policies. Science, 2021, 374, 690-693.	12.6	11
45	Assessing the Role of Electricity Storage in China's High Renewable Energy Penetration Future. Energy Procedia, 2017, 105, 4084-4089.	1.8	10
46	Towards a new climate economics: research areas and prospects. Chinese Journal of Population Resources and Environment, 2015, 13, 1-9.	1.5	9
47	Midway toward the 2 degree target: Adequacy and fairness of the CancÃºn pledges. Applied Energy, 2013, 112, 856-865.	10.1	8
48	A Structural Decomposition Analysis of Chinaâ€™s Consumption-Based Greenhouse Gas Emissions. Energies, 2019, 12, 2843.	3.1	8
49	ASSESSING GLOBAL AND NATIONAL ECONOMIC LOSSES FROM CLIMATE CHANGE: A STUDY BASED ON CGEM-IAM IN CHINA. Climate Change Economics, 2020, 11, 2041003.	5.0	8
50	System Optimization and Co-benefit Analysis of China's Deep De-carbonization Effort towards its INDC Target. Energy Procedia, 2017, 105, 3314-3319.	1.8	6
51	Resolve ambiguities in China's emissions. Nature, 2015, 525, 455-455.	27.8	5
52	Greenhouse Gas (GHG) Emission Mitigation and Ecosystem Adaptation along Belt and Road Initiative. Ecosystem Health and Sustainability, 2021, 7, .	3.1	5
53	A biased fairness assessment against developing countries. Science Bulletin, 2019, 64, 367-369.	9.0	4
54	A multi-model assessment of climate change damage in China and the world. Advances in Climate Change Research, 2022, 13, 385-396.	5.1	4

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55	Sector Mitigation Policies and Methods in China: Measurable, Reportable, and Verifiable Mechanisms. Advances in Climate Change Research, 2011, 2, 115-123.	5.1	3
56	Assessment of Chinaâ€™s Mitigation Targets in an Effort-Sharing Framework. Sustainability, 2017, 9, 1104.	3.2	3
57	The economic impact of a deep decarbonisation pathway for China: a hybrid model analysis through bottom-up and top-down linking. Mitigation and Adaptation Strategies for Global Change, 2022, 27, 1.	2.1	2
58	Inequality Decomposition in the Distribution of Carbon Emission across Country Groups: Historical Trends and Future Implication. Energy Procedia, 2014, 61, 353-356.	1.8	1
59	Energy Transition within a Carbon Constrained World: How Allocation Schemes Influence the Development of Energy System in the Future. Energy Procedia, 2014, 61, 1310-1313.	1.8	1
60	EU-GeoCapacity in China â€" Towards CCS demonstration projects in Hebei Province. Energy Procedia, 2011, 4, 6045-6052.	1.8	0
61	The Role of China in 2 Degree World: The Needs for Change in Energy System Planning. Energy Procedia, 2014, 61, 419-422.	1.8	0