Yuan Xu

List of Publications by Year
in descending order

58 papers	1,575 citations	331670 21 h-index	315739 38 g-index
59 all docs	59 docs citations	59 times ranked	1836 citing authors

#	Article	IF	Citations
1	Tracing Primary PM _{2.5} emissions via Chinese supply chains. Environmental Research Letters, 2015, 10, 054005.	5.2	130
2	Climatic regime shift and decadal anomalous events in China. Climatic Change, 2007, 84, 167-189.	3.6	128
3	Improvements in the Operation of SO₂ Scrubbers in Chinaâ€™s Coal Power Plants. Environmental Science & Technology, 2011, 45, 380-385.	10.0	115
4	China's rapid deployment of SO2 scrubbers. Energy and Environmental Science, 2009, 2, 459.	30.8	87
5	Will joint regional air pollution control be more cost-effective? AnÂempirical study of China's Beijingâ€“Tianjinâ€“Hebei region. Journal of Environmental Management, 2015, 149, 27-36.	7.8	83
6	Globalization and pollution: tele-connecting local primary PM _{2.5} emissions to global consumption. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160380.	2.1	77
7	Rapid growth in nitrogen dioxide pollution over Western China, 2005â€“2013. Atmospheric Chemistry and Physics, 2016, 16, 6207-6221.	4.9	76
8	Prospects for shale gas production in China: Implications for water demand. Renewable and Sustainable Energy Reviews, 2016, 66, 742-750.	16.4	75
9	Interprovincial Reliance for Improving Air Quality in China: A Case Study on Black Carbon Aerosol. Environmental Science & Technology, 2016, 50, 4118-4126.	10.0	59
10	Chinaâ€™s clean power transition: Current status and future prospect. Resources, Conservation and Recycling, 2017, 121, 3-10.	10.8	53
11	Black carbon emissions from biomass and coal in rural China. Atmospheric Environment, 2018, 176, 158-170.	4.1	53
12	Multi-objective analysis of the co-mitigation of CO2 and PM2.5 pollution by China's iron and steel industry. Journal of Cleaner Production, 2018, 185, 331-341.	9.3	51
13	The use of a goal for SO₂mitigation planning and management in China's 11th Five-Year Plan. Journal of Environmental Planning and Management, 2011, 54, 769-783.	4.5	49
14	Eco-compensation for watershed services in China. Water International, 2016, 41, 271-289.	1.0	40
15	Solar lobby and energy transition in Japan. Energy Policy, 2019, 134, 110950.	8.8	33
16	Enabled comparative advantage strategy in China's solar PV development. Energy Policy, 2019, 133, 110880.	8.8	32
17	The potential of CO2 satellite monitoring for climate governance: A review. Journal of Environmental Management, 2021, 277, 111423.	7.8	28
18	International chains of CO2 capture, utilization and storage (CCUS) in a carbon-neutral world. Resources, Conservation and Recycling, 2021, 167, 105433.	10.8	26

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19	Fracking and Pollution: Can China Rescue Its Environment In Time?. Environmental Science & Technology, 2014, 48, 891-892.	10.0	25
20	Engineering and optimization approaches to enhance the thermal efficiency of coal electricity generation in China. Energy Policy, 2013, 60, 356-363.	8.8	24
21	The indecisive role of the market in Chinaâ€™s SO₂and COD emissions trading. Environmental Politics, 2016, 25, 875-898.	5.4	23
22	Greening cement in China: A cost-effective roadmap. Applied Energy, 2017, 189, 233-244.	10.1	23
23	Is it worth to invest? -An evaluation of CTL-CCS project in China based on real options. Energy, 2019, 182, 920-931.	8.8	22
24	Catching environmental noncompliance in shale gas development in China and the United States. Resources, Conservation and Recycling, 2017, 121, 73-81.	10.8	20
25	Coal-to-liquids projects in China under water and carbon constraints. Energy Policy, 2018, 117, 58-65.	8.8	20
26	Analysis of multiple drivers of air pollution emissions in China via interregional trade. Journal of Cleaner Production, 2020, 244, 118507.	9.3	18
27	Chinaâ€™s Functioning Market for Sulfur Dioxide Scrubbing Technologies. Environmental Science & Technology, 2011, 45, 9161-9167.	10.0	14
28	Swaying public opinion on nuclear energy: A field experiment in Hong Kong. Utilities Policy, 2017, 46, 48-57.	4.0	14
29	Complying with voluntary energy conservation agreements (I): Air conditioning in Hong Kongâ€™s shopping malls. Resources, Conservation and Recycling, 2017, 117, 213-224.	10.8	12
30	The Behavioral Impacts of Firm-level Energy-Conservation Goals in Chinaâ€™s 11th Five-Year Plan. Environmental Science & Technology, 2015, 49, 85-92.	10.0	10
31	The theory-practice gap of black carbon mitigation technologies in rural China. Atmospheric Environment, 2018, 174, 122-131.	4.1	10
32	The governance for offshore wind in Japan. Energy Procedia, 2019, 158, 297-301.	1.8	10
33	SO2 mitigation in China's coal-fired power plants: A satellite-based assessment on compliance and enforcement. Atmospheric Environment, 2021, 254, 118396.	4.1	10
34	Economic viability of full-chain CCUS-EOR in Indonesia. Resources, Conservation and Recycling, 2022, 179, 106069.	10.8	10
35	The impacts of economic structure on Chinaâ€™s carbon dioxide emissions: an analysis with reference to other East Asian economies. Climate Policy, 2018, 18, 1235-1245.	5.1	9
36	Domestic and international CO2 source-sink matching for decarbonizing India's electricity. Resources, Conservation and Recycling, 2021, 174, 105824.	10.8	9

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37	Comparative Advantage Strategy for Rapid Pollution Mitigation in China. Environmental Science & Technology, 2013, 47, 9596-9603.	10.0	8
38	The effect of carbon tax on carbon emission abatement and GDP: a case study. Journal of Geographical Systems, 2017, 19, 399-414.	3.1	8
39	Milliampere He2+ beam generator using a compact GHz ECRIS. Science China: Physics, Mechanics and Astronomy, 2013, 56, 2016-2018.	5.1	7
40	Status of high current H2+ and H3+ ion sources. Review of Scientific Instruments, 2019, 90, .	1.3	7
41	Environmental enforcement and compliance in Pennsylvaniaâ€™s Marcellus shale gas development. Resources, Conservation and Recycling, 2019, 144, 24-31.	10.8	7
42	Evaluating national and subnational CO2 mitigation goals in Chinaâ€™s thirteenth five-year plan from satellite observations. Environment International, 2021, 156, 106771.	10.0	7
43	Explaining expedited energy transition toward renewables by COVID-19 in India. Energy Policy, 2022, 165, 112986.	8.8	7
44	Complying with voluntary energy conservation agreements (II): Lighting in Hong Kongâ€™s shopping malls. Resources, Conservation and Recycling, 2017, 117, 225-234.	10.8	6
45	Influence of noble gases on electron cyclotron heated hydrogen plasma. X-Ray Spectrometry, 2020, 49, 213-217.	1.4	6
46	Commissioning of helium injector for coupled radio frequency quadrupole and separated function radio frequency quadrupole accelerator. Review of Scientific Instruments, 2014, 85, 02A712.	1.3	5
47	Reliability and resilience in a regulated electricity market: Hong Kong under Typhoon Mangkhut. Utilities Policy, 2020, 67, 101134.	4.0	5
48	Carbon capture and storage for Hong Kong's fuel mix. Utilities Policy, 2015, 36, 43-45.	4.0	4
49	Climate Change as a Flagship Opportunity for Domestic Governance. Environmental Science & Technology, 2017, 51, 1946-1947.	10.0	4
50	The Performance of China's SO2 Scrubbers at Coal Power Plants. , 2009, , .		3
51	Using performance indicators to reduce cost uncertainty of China's CO2 mitigation goals. Energy Policy, 2013, 53, 454-461.	8.8	2
52	Decomposing the Impacts of Time Use on Energy Consumption. Energy Procedia, 2014, 61, 1888-1892.	1.8	2
53	Evaluating and Addressing the Leakage Problems of Black Carbon Mitigation in Chinaâ€™s Domestic Sector. Environmental Science & Technology, 2016, 50, 5434-5435.	10.0	1
54	Editorial: Clean power transition in China. Resources, Conservation and Recycling, 2017, 117, 262-263.	10.8	1

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55	CROSS-BOUNDARY AIR POLLUTION CONTROL UNDER â€œONE COUNTRY, TWO SYSTEMSâ€: PERSPECTIVES FROM HONG KONGâ€“GUANGDONG COLLABORATION. Singapore Economic Review, 2020, 65, 601-625.	1.7	1
56	Clean power transition in China. Resources, Conservation and Recycling, 2017, 121, 1-2.	10.8	0
57	Proposing a new indicator to combat procrastination over CO₂ mitigation in China. Carbon Management, 2019, 10, 379-385.	2.4	0
58	Shale Gas Development and Environmental Governance in China. , 2018, , 225-239.		0