

Xi Liang

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,514
citations

331670

21
h-index

206112

48
g-index

55
all docs

55
docs citations

55
times ranked

2148
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and opportunities for carbon neutrality in China. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 141-155.	29.7	587
2	Reply to: Observed impacts of the COVID-19 pandemic on global trade. <i>Nature Human Behaviour</i> , 2021, 5, 308-309.	12.0	2
3	Embodied greenhouse gas emissions from building China's large-scale power transmission infrastructure. <i>Nature Sustainability</i> , 2021, 4, 739-747.	23.7	84
4	Modeling CO ₂ separation on amine-containing facilitated transport membranes (AFTMs) by linking effects of relative humidity, temperature, and pressure. <i>International Journal of Greenhouse Gas Control</i> , 2021, 108, 103327.	4.6	7
5	Adaptive CO ₂ emissions mitigation strategies of global oil refineries in all age groups. <i>One Earth</i> , 2021, 4, 1114-1126.	6.8	22
6	Exploring human health risk assessment based on the screening of primary targeted metal and chemical balance simulation of ionic speciation in an industrial area, China. <i>Chemosphere</i> , 2021, 277, 130353.	8.2	3
7	Opportunities and challenges for decarbonizing steel production by creating markets for "green steel" products. <i>Journal of Cleaner Production</i> , 2021, 315, 128127.	9.3	59
8	Financing coal-fired power plant to demonstrate CCS (carbon capture and storage) through an innovative policy incentive in China. <i>Energy Policy</i> , 2021, 158, 112562.	8.8	34
9	Getting ready for carbon capture and storage in the iron and steel sector in China: Assessing the value of capture readiness. <i>Journal of Cleaner Production</i> , 2020, 244, 118953.	9.3	35
10	China's carbon capture, utilization and storage (CCUS) policy: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109601.	16.4	174
11	Sharing tableware reduces waste generation, emissions and water consumption in China's takeaway packaging waste dilemma. <i>Nature Food</i> , 2020, 1, 552-561.	14.0	52
12	Global supply-chain effects of COVID-19 control measures. <i>Nature Human Behaviour</i> , 2020, 4, 577-587.	12.0	521
13	Business Models for Carbon Capture, Utilization and Storage Technologies in the Steel Sector: A Qualitative Multi-Method Study. <i>Processes</i> , 2020, 8, 576.	2.8	14
14	Low-carbon development via greening global value chains: a case study of Belarus. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200024.	2.1	6
15	Simulation of Immiscible Water-Alternating-CO ₂ Flooding in the Lihua Oilfield Offshore Guangdong, China. <i>Energies</i> , 2020, 13, 2130.	3.1	6
16	Kazakhstan's CO ₂ emissions in the post-Kyoto Protocol era: Production- and consumption-based analysis. <i>Journal of Environmental Management</i> , 2019, 249, 109393.	7.8	30
17	Screening and simulation of offshore CO ₂ -EOR and storage: A case study for the HZ21-1 oilfield in the Pearl River Mouth Basin, Northern South China Sea. <i>International Journal of Greenhouse Gas Control</i> , 2019, 86, 66-81.	4.6	18
18	Structural patterns of city-level CO ₂ emissions in Northwest China. <i>Journal of Cleaner Production</i> , 2019, 223, 553-563.	9.3	24

#	ARTICLE	IF	CITATIONS
19	The significance of calendar effects in the electricity market. <i>Applied Energy</i> , 2019, 235, 487-494.	10.1	10
20	A Preliminary Simulation of CO ₂ -EOR and Storage in One Heavy Oil Carbonate Oilfield Offshore Guangdong, China. <i>Environmental Science and Engineering</i> , 2019, , 3-16.	0.2	0
21	A long-term strategic plan of offshore CO ₂ transport and storage in northern South China Sea for a low-carbon development in Guangdong province, China. <i>International Journal of Greenhouse Gas Control</i> , 2018, 70, 76-87.	4.6	36
22	Geological characterization and numerical modelling of CO ₂ storage in an aquifer structure offshore Guangdong Province, China. <i>Energy Procedia</i> , 2018, 154, 48-53.	1.8	7
23	Macroeconomic impacts of global food price shocks on the economy of Turkey. <i>Agricultural Economics (Czech Republic)</i> , 2018, 64, 517-525.	1.1	1
24	Potential evaluation of CO ₂ EOR and storage in oilfields of the Pearl River Mouth Basin, northern South China Sea. , 2018, 8, 954-977.		6
25	How would big data support societal development and environmental sustainability? Insights and practices. <i>Journal of Cleaner Production</i> , 2017, 142, 489-500.	9.3	158
26	Scheduling Optimization of Home Health Care Service Considering Patients's™ Priorities and Time Windows. <i>Sustainability</i> , 2017, 9, 253.	3.2	37
27	Study of a roadmap for carbon capture and storage development in Guangdong Province, China. <i>International Journal of Sustainable Energy</i> , 2016, 35, 858-874.	2.4	1
28	Developments in public communications on CCS. <i>International Journal of Greenhouse Gas Control</i> , 2015, 40, 449-458.	4.6	73
29	Zero carbon homes: Perceptions from the UK construction industry. <i>Energy Policy</i> , 2015, 79, 23-36.	8.8	60
30	Technical Issues in Financing and Managing Risk of Large-scale Oxyfuel CO ₂ Capture Power Plant in China. <i>Energy Procedia</i> , 2014, 63, 7234-7241.	1.8	2
31	Assessing the Option Value of Retrofitting a 200MW Power Plant to Oxyfuel CO ₂ Capture. <i>Energy Procedia</i> , 2014, 63, 7330-7336.	1.8	0
32	Addressing Technology Uncertainties in Power Plants with Post-Combustion Capture. <i>Energy Procedia</i> , 2013, 37, 2359-2368.	1.8	8
33	The Evolution of Stakeholder Perceptions of Deploying CCS Technologies in China: Survey Results from Three Stakeholder Consultations in 2006, 2009 and 2012. <i>Energy Procedia</i> , 2013, 37, 7361-7368.	1.8	4
34	The GDCCSR Project Promoting Regional CCS-Readiness in the Guangdong Province, South China. <i>Energy Procedia</i> , 2013, 37, 7622-7632.	1.8	16
35	Technological, economic and financial prospects of carbon dioxide capture in the cement industry. <i>Energy Policy</i> , 2013, 61, 1377-1387.	8.8	74
36	Resolving the Tension between CCS Deployment and Chinese Energy Security. <i>Environmental Science & Technology</i> , 2013, 47, 4963-4964.	10.0	3

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37	Stakeholder Views on Financing Carbon Capture and Storage Demonstration Projects in China. <i>Environmental Science & Technology</i> , 2012, 46, 643-651.	10.0	17
38	Early Opportunity for CO2 Capture from Gasification Plants in China. <i>Energy Procedia</i> , 2012, 14, 1451-1457.	1.8	3
39	Assessing the value of retrofitting cement plants for carbon capture: A case study of a cement plant in Guangdong, China. <i>Energy Conversion and Management</i> , 2012, 64, 454-465.	9.2	31
40	Opportunities and barriers for implementing CO2 capture ready designs: A case study of stakeholder perceptions in Guangdong, China. <i>Energy Policy</i> , 2012, 45, 243-251.	8.8	17
41	CO2 capture modelling for pulverised coal-fired power plants: A case study of an existing 1GW ultra-supercritical power plant in Shandong, China. <i>Separation and Purification Technology</i> , 2012, 94, 138-145.	7.9	13
42	Getting ready for carbon capture and storage through a "CCS (Carbon Capture and Storage) Ready Hub": A case study of Shenzhen city in Guangdong province, China. <i>Energy</i> , 2011, 36, 5916-5924.	8.8	36
43	An assessment of the potential for retrofitting existing coal-fired power plants in China. <i>Energy Procedia</i> , 2011, 4, 1805-1811.	1.8	6
44	Techno-economic assessment of CO2 capture retrofit to existing power plants. <i>Energy Procedia</i> , 2011, 4, 1835-1842.	1.8	13
45	Techno-economic assessment of future-proofing coal plants with postcombustion capture against technology developments. <i>Energy Procedia</i> , 2011, 4, 1909-1916.	1.8	9
46	Financing new power plants "CCS Ready" in China—a case study of Shenzhen city. <i>Energy Procedia</i> , 2011, 4, 2572-2579.	1.8	4
47	Locating new coal-fired power plants with Carbon Capture Ready design—a GIS case study of Guangdong province in China. <i>Energy Procedia</i> , 2011, 4, 2824-2830.	1.8	3
48	Strategy for promoting low-carbon technology transfer to developing countries: The case of CCS. <i>Energy Policy</i> , 2011, 39, 3106-3116.	8.8	39
49	Perceptions of opinion leaders towards CCS demonstration projects in China. <i>Applied Energy</i> , 2011, 88, 1873-1885.	10.1	61
50	Getting Ready for Carbon Capture and Storage by Issuing Capture Options. <i>Environment and Planning A</i> , 2010, 42, 1286-1307.	3.6	11
51	Assessing the value of CO2 capture ready in new-build pulverised coal-fired power plants in China. <i>International Journal of Greenhouse Gas Control</i> , 2009, 3, 787-792.	4.6	36
52	Assessing the value of CO2 capture ready in new-build coal-fired power plants in China. <i>Energy Procedia</i> , 2009, 1, 4363-4370.	1.8	5
53	Behavioral issues in financing low carbon power plants. <i>Energy Procedia</i> , 2009, 1, 4495-4502.	1.8	11
54	Opportunities and hurdles in applying CCS Technologies in China — With a focus on industrial stakeholders. <i>Energy Procedia</i> , 2009, 1, 4827-4834.	1.8	14