

Laixiang Sun

List of Publications by Year in descending order

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116
papers

5,149
citations

117625

34
h-index

95266

68
g-index

121
all docs

121
docs citations

121
times ranked

4074
citing authors

#	ARTICLE	IF	CITATIONS
1	Outsourcing CO ₂ within China. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11654-11659.	7.1	533
2	A review of trends and drivers of greenhouse gas emissions by sector from 1990 to 2018. Environmental Research Letters, 2021, 16, 073005.	5.2	421
3	Drivers of the US CO ₂ emissions 1997–2013. Nature Communications, 2015, 6, 7714.	12.8	296
4	Virtual Scarce Water in China. Environmental Science & Technology, 2014, 48, 7704-7713.	10.0	251
5	Consumption-based CO ₂ accounting of China's megacities: The case of Beijing, Tianjin, Shanghai and Chongqing. Ecological Indicators, 2014, 47, 26-31.	6.3	236
6	The Water-Energy-Food Nexus in East Asia: A tele-connected value chain analysis using inter-regional input-output analysis. Applied Energy, 2018, 210, 550-567.	10.1	194
7	Drivers of cropland abandonment in mountainous areas: A household decision model on farming scale in Southwest China. Land Use Policy, 2016, 57, 459-469.	5.6	181
8	Global carbon inequality. Energy, Ecology and Environment, 2017, 2, 361-369.	3.9	167
9	Model based analysis of future land-use development in China. Agriculture, Ecosystems and Environment, 2001, 85, 163-176.	5.3	148
10	Dynamics of Internationalization and Outward Investment: Chinese Corporations' Strategies. China Quarterly, 2006, 187, 610-634.	0.7	138
11	A scenario analysis of China's land use and land cover change: incorporating biophysical information into input-output modeling. Structural Change and Economic Dynamics, 2001, 12, 367-397.	4.5	123
12	An estimation of the extent of cropland abandonment in mountainous regions of China. Land Degradation and Development, 2018, 29, 1327-1342.	3.9	105
13	Impacts of Urban Expansion on Terrestrial Carbon Storage in China. Environmental Science & Technology, 2019, 53, 6834-6844.	10.0	90
14	Explaining virtual water trade: A spatial-temporal analysis of the comparative advantage of land, labor and water in China. Water Research, 2019, 153, 304-314.	11.3	89
15	Liquid biofuels in China: Current status, government policies, and future opportunities and challenges. Renewable and Sustainable Energy Reviews, 2012, 16, 3095-3104.	16.4	88
16	A hydro-economic MRIO analysis of the Haihe River Basin's water footprint and water stress. Ecological Modelling, 2015, 318, 157-167.	2.5	78
17	The impacts of increased heat stress events on wheat yield under climate change in China. Climatic Change, 2017, 140, 605-620.	3.6	67
18	The Economic Gains and Environmental Losses of US Consumption: A World-Systems and Input-Output Approach. Social Forces, 2014, 93, 405-428.	1.3	66

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19	Study on the Impacts of Climate Change on China's Agriculture. <i>Climatic Change</i> , 2004, 65, 125-148.	3.6	63
20	Nature-based solutions for urban pluvial flood risk management. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1421.	6.5	63
21	Economic and Societal Changes in China and their Effects on Water Use A Scenario Analysis. <i>Journal of Industrial Ecology</i> , 2008, 9, 187-200.	5.5	62
22	Global Implications of China's Future Food Consumption. <i>Journal of Industrial Ecology</i> , 2016, 20, 593-602.	5.5	56
23	Potentials of crop residues for commercial energy production in China: A geographic and economic analysis. <i>Biomass and Bioenergy</i> , 2014, 64, 110-123.	5.7	55
24	Modeling the carbon consequences of pro-environmental consumer behavior. <i>Applied Energy</i> , 2016, 184, 1207-1216.	10.1	55
25	The land-water nexus of biofuel production in Brazil: Analysis of synergies and trade-offs using a multiregional input-output model. <i>Journal of Cleaner Production</i> , 2019, 214, 52-61.	9.3	55
26	State ownership and corporate performance: A quantile regression analysis of Chinese listed companies. <i>China Economic Review</i> , 2009, 20, 703-716.	4.4	51
27	Mission Impossible? Maintaining regional grain production level and recovering local groundwater table by cropping system adaptation across the North China Plain. <i>Agricultural Water Management</i> , 2017, 193, 1-12.	5.6	49
28	State-Owned versus Township and Village Enterprises in China. <i>Comparative Economic Studies</i> , 1999, 41, 151-179.	1.1	48
29	Socioeconomic drivers of provincial-level changes in the blue and green water footprints in China. <i>Resources, Conservation and Recycling</i> , 2021, 175, 105834.	10.8	47
30	Future increases in irrigation water requirement challenge the water-food nexus in the northeast farming region of China. <i>Agricultural Water Management</i> , 2019, 213, 594-604.	5.6	46
31	Quantifying economic-social-environmental trade-offs and synergies of water-supply constraints: An application to the capital region of China. <i>Water Research</i> , 2021, 195, 116986.	11.3	44
32	Impact of the changing area sown to winter wheat on crop water footprint in the North China Plain. <i>Ecological Indicators</i> , 2015, 57, 100-109.	6.3	41
33	Changes in production potentials of rapeseed in the Yangtze River Basin of China under climate change: A multi-model ensemble approach. <i>Journal of Chinese Geography</i> , 2018, 28, 1700-1714.	3.9	40
34	Unequal carbon exchanges: understanding pollution embodied in global trade. <i>Environmental Sociology</i> , 2015, 1, 256-267.	2.9	39
35	Household carbon and energy inequality in Latin American and Caribbean countries. <i>Journal of Environmental Management</i> , 2020, 273, 110979.	7.8	38
36	Maintaining rice production while mitigating methane and nitrous oxide emissions from paddy fields in China: Evaluating tradeoffs by using coupled agricultural systems models. <i>Agricultural Systems</i> , 2018, 159, 175-186.	6.1	35

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37	Uncovering the spatially distant feedback loops of global trade: A network and input-output approach. <i>Science of the Total Environment</i> , 2017, 586, 401-408.	8.0	31
38	Improving performance of Agro-Ecological Zone (AEZ) modeling by cross-scale model coupling: An application to japonica rice production in Northeast China. <i>Ecological Modelling</i> , 2014, 290, 155-164.	2.5	30
39	Optimizing regional cropping systems with a dynamic adaptation strategy for water sustainable agriculture in the Hebei Plain. <i>Agricultural Systems</i> , 2019, 173, 94-106.	6.1	30
40	Regional knowledge production and entrepreneurial firm creation: Spatial Dynamic Analyses. <i>Journal of Business Research</i> , 2013, 66, 2106-2115.	10.2	29
41	How do sub-national institutional constraints impact foreign firm performance?. <i>International Business Review</i> , 2017, 26, 555-565.	4.8	29
42	Searching for “Win-Win” solutions for food-water-GHG emissions tradeoffs across irrigation regimes of paddy rice in China. <i>Resources, Conservation and Recycling</i> , 2021, 166, 105360.	10.8	29
43	The potential contribution of growing rapeseed in winter fallow fields across Yangtze River Basin to energy and food security in China. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105159.	10.8	28
44	Fading out of local government ownership: recent ownership reform in China’s township and village enterprises. <i>Economic Systems</i> , 2002, 26, 249-269.	2.2	27
45	Challenging, complementing or assuming “the Mandate of Heaven”? Political distrust and the rise of self-governing social organizations in rural China. <i>Journal of Comparative Economics</i> , 2009, 37, 151-168.	2.2	27
46	Foreign Direct Investment and Total Factor Productivity in China: A Spatial Dynamic Panel Analysis*. <i>Oxford Bulletin of Economics and Statistics</i> , 2011, 73, 771-791.	1.7	27
47	Anticipatory Ownership Reform Driven by Competition: China’s Township-Village and Private Enterprises in the 1990s. <i>Comparative Economic Studies</i> , 2000, 42, 49-75.	1.1	26
48	Beyond the simple material balance: a reply to Sangwon Suh's note on physical input-output analysis. <i>Ecological Economics</i> , 2004, 48, 19-22.	5.7	26
49	International Listing as a Mechanism of Commitment to More Credible Corporate Governance Practices: the case of the Bank of China (Hong Kong). <i>Corporate Governance: an International Review</i> , 2005, 13, 81-91.	2.4	26
50	Decarbonizing China’s Urban Agglomerations. <i>Annals of the American Association of Geographers</i> , 2019, 109, 266-285.	2.2	26
51	Inequalities in Global Trade: A Cross-Country Comparison of Trade Network Position, Economic Wealth, Pollution and Mortality. <i>PLoS ONE</i> , 2015, 10, e0144453.	2.5	25
52	Synthesized trade-off analysis of flood control solutions under future deep uncertainty: An application to the central business district of Shanghai. <i>Water Research</i> , 2019, 166, 115067.	11.3	24
53	Uncovering the Green, Blue, and Grey Water Footprint and Virtual Water of Biofuel Production in Brazil: A Nexus Perspective. <i>Sustainability</i> , 2017, 9, 2049.	3.2	23
54	Limiting rice and sugarcane residue burning in Thailand: Current status, challenges and strategies. <i>Journal of Environmental Management</i> , 2020, 276, 111228.	7.8	23

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55	Shifts towards healthy diets in the US can reduce environmental impacts but would be unaffordable for poorer minorities. <i>Nature Food</i> , 2021, 2, 664-672.	14.0	23
56	Estimating Investment Functions Based on Cointegration: The Case of China. <i>Journal of Comparative Economics</i> , 1998, 26, 175-191.	2.2	22
57	Inward Foreign Direct Investment and Domestic Entrepreneurship: A Regional Analysis of New Firm Creation in Korea. <i>Regional Studies</i> , 2014, 48, 910-922.	4.4	22
58	Estimating potential yield of wheat production in China based on cross-scale data-model fusion. <i>Frontiers of Earth Science</i> , 2012, 6, 364-372.	2.1	21
59	Unequal household carbon footprints in the peak-and-decline pattern of U.S. greenhouse gas emissions. <i>Journal of Cleaner Production</i> , 2022, 368, 132650.	9.3	21
60	Interest Rate Policy and Incentives of State-Owned Enterprises in the Transitional China. <i>Journal of Comparative Economics</i> , 1996, 23, 292-318.	2.2	19
61	Potential negative consequences of geoengineering on crop production: A study of Indian groundnut. <i>Geophysical Research Letters</i> , 2016, 43, 11786-11795.	4.0	18
62	Labor migration and the decoupling of the crop-livestock system in a rural mountainous area: Evidence from Chongqing, China. <i>Land Use Policy</i> , 2020, 99, 105088.	5.6	18
63	Compound flood impact of water level and rainfall during tropical cyclone periods in a coastal city: the case of Shanghai. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 2347-2358.	3.6	18
64	Risk-adjusted approaches for planning sustainable agricultural development. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009, 23, 441-450.	4.0	17
65	A global North-South division line for portraying urban development. <i>IScience</i> , 2021, 24, 102729.	4.1	17
66	High-Resolution Projections of Mean and Extreme Precipitation over China by Two Regional Climate Models. <i>Journal of Meteorological Research</i> , 2020, 34, 965-985.	2.4	16
67	International Listing as a Means to Mobilize the Benefits of Financial Globalization: Micro-level Evidence from China. <i>World Development</i> , 2009, 37, 825-838.	4.9	15
68	Does foreign direct investment stimulate new firm creation? In search of spillovers through industrial and geographical linkages. <i>Small Business Economics</i> , 2017, 48, 613-631.	6.7	15
69	Entrepreneurship across time and space: empirical evidence from Korea. <i>Small Business Economics</i> , 2015, 44, 705-719.	6.7	14
70	An Index-Based Assessment of Perceived Climate Risk and Vulnerability for the Urban Cluster in the Yangtze River Delta Region of China. <i>Sustainability</i> , 2019, 11, 2099.	3.2	14
71	Water-land tradeoffs to meet future demands for sugar crops in Latin America and the Caribbean: A bio-physical and socio-economic nexus perspective. <i>Resources, Conservation and Recycling</i> , 2021, 169, 105510.	10.8	14
72	Agro-ecological suitability assessment of Chinese Medicinal Yam under future climate change. <i>Environmental Geochemistry and Health</i> , 2020, 42, 987-1000.	3.4	13

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73	Quantifying stakeholder learning in climate change adaptation across multiple relational and participatory networks. <i>Journal of Environmental Management</i> , 2021, 278, 111508.	7.8	13
74	INCORPORATING TECHNOLOGY DIFFUSION, FACTOR MOBILITY AND STRUCTURAL CHANGE INTO CROSS-REGION GROWTH REGRESSION: AN APPLICATION TO CHINA*. <i>Journal of Regional Science</i> , 2009, 50, 734-755.	3.3	12
75	Heat wave, electricity rationing, and trade-offs between environmental gains and economic losses: The example of Shanghai. <i>Applied Energy</i> , 2016, 184, 951-959.	10.1	12
76	Correspondence: Reply to "Reassessing the contribution of natural gas to US CO2 emission reductions since 2007". <i>Nature Communications</i> , 2016, 7, 10693.	12.8	11
77	Projecting Changes in Mean and Extreme Precipitation Over Eastern China During 2041–2060. <i>Earth and Space Science</i> , 2020, 7, e2019EA001024.	2.6	9
78	Biophysical and socioeconomic drivers of oil palm expansion in Indonesia. <i>Environmental Research Letters</i> , 2021, 16, 034048.	5.2	9
79	Agriculture under Climate Change in China: Mitigate the Risks by Grasping the Emerging Opportunities. <i>Human and Ecological Risk Assessment (HERA)</i> , 2015, 21, 1259-1276.	3.4	8
80	Quantifying the impact of diet quality on hunger and undernutrition. <i>Journal of Cleaner Production</i> , 2018, 205, 432-446.	9.3	8
81	A cross-scale model coupling approach to simulate the risk-reduction effect of natural adaptation on soybean production under climate change. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 426-440.	3.4	7
82	Industry Agglomeration, Sub-National Institutions and the Profitability of Foreign Subsidiaries. <i>Management International Review</i> , 2018, 58, 969-993.	3.3	7
83	An integrated framework of coastal flood modelling under the failures of sea dikes: a case study in Shanghai. <i>Natural Hazards</i> , 2021, 109, 671-703.	3.4	7
84	Agroclimatic conditions in China under climate change scenarios projected from regional climate models. <i>International Journal of Climatology</i> , 2013, 34, n/a-n/a.	3.5	6
85	Mitigating heat-related mortality risk in Shanghai, China: system dynamics modeling simulations. <i>Environmental Geochemistry and Health</i> , 2020, 42, 3171-3184.	3.4	6
86	Adoption of biomass for electricity generation in Thailand: Implications for energy security, employment, environment, and land use change. <i>Renewable Energy</i> , 2022, 195, 1454-1467.	8.9	6
87	On equivalence between Cournot competition and the Kreps–Scheinkman game. <i>International Journal of Industrial Organization</i> , 2012, 30, 116-125.	1.2	5
88	Impact of exchange rate regime reform on asset returns in China. <i>European Journal of Finance</i> , 2015, 21, 147-171.	3.1	5
89	Using a cross-scale simulation tool to assess future maize production under multiple climate change scenarios: An application to the Northeast Farming Region of China. <i>Climate Services</i> , 2020, 18, 100150.	2.5	5
90	Is the tropical cyclone surge in Shanghai more sensitive to landfall location or intensity change?. <i>Atmospheric Science Letters</i> , 2021, 22, e1058.	1.9	5

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91	Assessment of Wetland Change on the Delmarva Peninsula from 1984 to 2010. <i>Journal of Coastal Research</i> , 2020, 36, 575.	0.3	5
92	Stormwater Management Adaptation Pathways under Climate Change and Urbanization. <i>Journal of Sustainable Water in the Built Environment</i> , 2022, 8, .	1.6	5
93	Length of stay in urban areas of circular migrants from the mountainous areas in China. <i>Journal of Mountain Science</i> , 2016, 13, 947-956.	2.0	4
94	Satellite-detected gain in built-up area as a leading economic indicator. <i>Environmental Research Letters</i> , 2019, 14, 114015.	5.2	4
95	Agricultural Adaptation to Climate Change in China. , 2019, , 111-122.		3
96	Environmental implications of economic transformation in China's Pearl River Delta region: Dynamics at four nested geographical scales over 1987â€“2017. <i>Science of the Total Environment</i> , 2021, 816, 151631.	8.0	3
97	Advancing index-based climate risk assessment to facilitate adaptation planning: Application in Shanghai and Shenzhen, China. <i>Advances in Climate Change Research</i> , 2022, , .	5.1	3
98	Social interaction and geographic diffusion of ironâ€“biofortified beans in Rwanda. <i>Agricultural Economics (United Kingdom)</i> , 2022, 53, 503-528.	3.9	3
99	Liability Sharing as a Mechanism to Improve Firms' Investment and Liquidation Decisions. <i>Journal of Comparative Economics</i> , 2000, 28, 739-761.	2.2	2
100	Title is missing!. <i>Economic Change and Restructuring</i> , 2001, 34, 195-213.	0.4	2
101	Achieving Effective Governance under Divided Government and Private Interest Group Pressure: Taiwan's 2001 Financial Holding Company Law. <i>Journal of Contemporary China</i> , 2007, 16, 655-680.	2.3	2
102	A generalized framework for endogenous timing in duopoly games and an application to price-quantity competition. <i>Journal of Economics/ Zeitschrift Fur Nationalokonomie</i> , 2014, 112, 137-164.	0.7	2
103	Estimating potential yield of wheat production in china based on cross-scale data-model fusion. , 2012, , .		1
104	Some Bad News Is Good News for Foreign Investors: The Case of Intellectual Property Rights Infringement in China. <i>Thunderbird International Business Review</i> , 2016, 58, 317-329.	1.8	1
105	The Effects of Climate Change on Chinese Medicinal Yam Over North China Under the Highâ€“Resolution PRECIS Projection. <i>Earth and Space Science</i> , 2021, 8, e2021EA001804.	2.6	1
106	Adaptive Efficiency and the Evolving Diversity of Enterprise Ownership and Governance Forms: An Overview. , 2003, , 1-35.		1
107	Introduction Adaptive Efficiency and Evolving Diversity of Enterprise Ownership and Governance. <i>Journal of Comparative Economics</i> , 2002, 30, 754-758.	2.2	0
108	Towards a Labour Market in China. By JOHN KNIGHT and LINA SONG. <i>Economica</i> , 2007, 74, 375-376.	1.6	0

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109	Business Networks and Strategic Alliances in China, Stewart Clegg, Karen Wang and Mike Berrell . Cheltenham, UK and Northampton, MA: Edward Elgar, 2007. xv + 330 pp. ISBN 978-1-84542-306-3. Â£69.95. China Quarterly, 2008, 196, 931-932.	0.7	0
110	Dream of the red financial supermarket: the gradual emergence of integrated financial services provision in China in the 21st century. Journal of Chinese Economic and Business Studies, 2008, 6, 385-405.	2.8	0
111	Special issue on China's adaptation to global best business practices: introduction. Journal of Chinese Economic and Business Studies, 2008, 6, 335-340.	2.8	0
112	<i>Linkages between China's Regions: Measurement and Policy</i>. Nicolaas Groenewold , Anping Chen , Guoping Lee. China Journal, 2009, 62, 190-192.	0.2	0
113	A vital option for food security and greenhouse gases mitigation: planting elite super rice in double-to single-rice cropping fields in China. Environmental Research Letters, 2021, 16, 094038.	5.2	0
114	State-Owned versus Township and Village Enterprises in China. , 2014, , 33-59.		0
115	Global Trade, Pollution and Mortality. , 2017, , 161-171.		0
116	æ±å° ä,ç ©â®šæ€šä,æ²;æµ·æ³æ°æ°”â€™â•â€—é€,â°”â†³ç-æ-1æ³•è-,è;°. Chinese Science Bulletin, 2022, , .	0.7	0