

# Zhiyang Shen

## List of Publications by Year in descending order

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43  
papers

1,415  
citations

361296

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h-index

360920

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g-index

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all docs

43  
docs citations

43  
times ranked

493  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing the Tradeoff Between the Economic and Environmental Performance: The Case of the Chinese Manufacturing Sector. <i>IEEE Transactions on Engineering Management</i> , 2024, 71, 233-244.	2.4	1
2	Does carbon emission trading contribute to reducing infectious diseases? Evidence from China. <i>Growth and Change</i> , 2023, 54, 74-100.	1.3	2
3	The club convergence of green productivity across African countries. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4722-4735.	2.7	8
4	Does industrial agglomeration affect the regional environment? Evidence from Chinese cities. <i>Environmental Science and Pollution Research</i> , 2022, 29, 7811-7826.	2.7	31
5	Impact of sulfur dioxide emissions trading pilot scheme on pollution emissions intensity: A study based on the synthetic control method. <i>Energy Policy</i> , 2022, 161, 112730.	4.2	31
6	Integrating economic, environmental and societal performance within the productivity measurement. <i>Technological Forecasting and Social Change</i> , 2022, 176, 121463.	6.2	23
7	Impacts of renewable electricity standard and Renewable Energy Certificates on renewable energy investments and carbon emissions. <i>Journal of Environmental Management</i> , 2022, 306, 114495.	3.8	40
8	Spatiotemporal carbon emissions across the spectrum of Chinese cities: Insights from socioeconomic characteristics and ecological capacity. <i>Journal of Environmental Management</i> , 2022, 306, 114510.	3.8	40
9	Modeling and evaluating economic and ecological operation efficiency of smart city pilots. <i>Cities</i> , 2022, 124, 103575.	2.7	31
10	Decomposition of green agricultural productivity gain under a multiple-frontier framework. <i>Journal of Global Information Management</i> , 2022, 30, 0-0.	1.4	2
11	How policy preferences affect the carbon shadow price in the OECD. <i>Applied Energy</i> , 2022, 311, 118686.	5.1	6
12	Industrial energy consumption and pollutant emissions: Combined decomposition of relative performance and absolute changes. <i>Business Strategy and the Environment</i> , 2022, 31, 3454-3469.	8.5	3
13	Global sustainability of carbon shadow pricing: The distance between observed and optimal abatement costs. <i>Energy Economics</i> , 2022, 110, 106038.	5.6	13
14	Digital transition and green growth in Chinese agriculture. <i>Technological Forecasting and Social Change</i> , 2022, 181, 121742.	6.2	80
15	Energy transition, trade and green productivity in advanced economies. <i>Journal of Cleaner Production</i> , 2022, 361, 132288.	4.6	27
16	Internet technology and green productivity in agriculture. <i>Environmental Science and Pollution Research</i> , 2022, 29, 81441-81451.	2.7	17
17	Capacity utilization and energy-related GHG emission in the European agriculture: A data envelopment analysis approach. <i>Journal of Environmental Management</i> , 2022, 318, 115517.	3.8	10
18	Liability accounting of natural resource assets from the perspective of input Slack—An analysis based on the energy resource in 282 prefecture-level cities in China. <i>Resources Policy</i> , 2022, 78, 102867.	4.2	7

#	ARTICLE	IF	CITATIONS
19	Improving high-quality development with environmental regulation and industrial structure in China. <i>Journal of Cleaner Production</i> , 2022, 366, 132997.	4.6	52
20	Analysis of Environmental Total Factor Productivity Evolution in European Agricultural Sector. <i>Decision Sciences</i> , 2021, 52, 483-511.	3.2	54
21	Towards carbon free economy and electricity: The puzzle of energy costs, sustainability and security based on willingness to pay. <i>Energy</i> , 2021, 214, 119081.	4.5	23
22	Exploring the limits for increasing energy efficiency in the residential sector of the European Union: Insights from the rebound effect. <i>Energy Policy</i> , 2021, 149, 112063.	4.2	20
23	Is environmental regulation effective in promoting the quantity and quality of green innovation?. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6232-6241.	2.7	85
24	Using COVID-19 mortality to select among hospital plant capacity models: An exploratory empirical application to Hubei province. <i>Technological Forecasting and Social Change</i> , 2021, 166, 120535.	6.2	13
25	Impact of green credit on high-efficiency utilization of energy in China considering environmental constraints. <i>Energy Policy</i> , 2021, 153, 112267.	4.2	198
26	Economic and environmental performance of the belt and road countries under convex and nonconvex production technologies. <i>Journal of Asian Economics</i> , 2021, 75, 101321.	1.2	11
27	TOTAL FACTOR PRODUCTIVITY GROWTH IN CHINA&#x2013;CORN FARMING: AN APPLICATION OF GENERALIZED PRODUCTIVITY INDICATOR. <i>Journal of Business Economics and Management</i> , 2021, 22, 1189-1208.	1.1	9
28	Evaluation of carbon shadow price within a non-parametric meta-frontier framework: The case of OECD, ASEAN and BRICS. <i>Applied Energy</i> , 2021, 299, 117275.	5.1	23
29	The patterns and determinants of the carbon shadow price in China's industrial sector: A by-production framework with directional distance function. <i>Journal of Cleaner Production</i> , 2021, 323, 129175.	4.6	18
30	The evolution of renewable energy and its impact on carbon reduction in China. <i>Energy</i> , 2021, 237, 121639.	4.5	122
31	Sustainable Green Growth in Developing Economies. <i>Journal of Global Information Management</i> , 2021, 30, 1-15.	1.4	19
32	Production and safety efficiency evaluation in Chinese coal mines: accident deaths as undesirable output. <i>Annals of Operations Research</i> , 2020, 291, 827-845.	2.6	16
33	An expanded decomposition of the Luenberger productivity indicator with an application to the Chinese healthcare sector. <i>Omega</i> , 2020, 91, 102010.	3.6	20
34	Identifying the contribution to hospital performance among Chinese regions by an aggregate directional distance function. <i>Health Care Management Science</i> , 2020, 23, 142-152.	1.5	10
35	Performance analysis for three pillars of sustainability. <i>Journal of Productivity Analysis</i> , 2020, 53, 305-320.	0.8	20
36	Agricultural productivity evolution in China: A generalized decomposition of the Luenberger-Hicks-Moorsteen productivity indicator. <i>China Economic Review</i> , 2019, 57, 101315.	2.1	46

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37	Decomposing banking performance into economic and credit risk efficiencies. <i>European Journal of Operational Research</i> , 2019, 277, 719-726.	3.5	37
38	Comparing Luenberger and Luenberger-Hicks-Moorsteen productivity indicators: How well is total factor productivity approximated?. <i>International Journal of Production Economics</i> , 2018, 195, 311-318.	5.1	35
39	Green growth and structural change in Chinese agricultural sector during 1997â€“2014. <i>China Economic Review</i> , 2018, 51, 83-96.	2.1	75
40	Aggregate green productivity growth in OECDâ€™s countries. <i>International Journal of Production Economics</i> , 2017, 189, 30-39.	5.1	55
41	Worldwide carbon shadow prices during 1990â€“2011. <i>Energy Policy</i> , 2017, 109, 288-296.	4.2	42
42	Environmental growth convergence among Chinese regions. <i>China Economic Review</i> , 2015, 34, 1-18.	2.1	39
43	Estimating production gains from international cooperation: Evidence from countries along the Belt and Road. <i>Economic Change and Restructuring</i> , 0, , 1.	2.5	1