Ke Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	China's regional industrial energy efficiency and carbon emissions abatement costs. Applied Energy, 2014, 130, 617-631.	10.1	343
2	China's regional energy and environmental efficiency: A DEA window analysis based dynamic evaluation. Mathematical and Computer Modelling, 2013, 58, 1117-1127.	2.0	326
3	Efficiency measures of the Chinese commercial banking system using an additive two-stage DEA. Omega, 2014, 44, 5-20.	5.9	278
4	Energy and emissions efficiency patterns of Chinese regions: A multi-directional efficiency analysis. Applied Energy, 2013, 104, 105-116.	10.1	232
5	Regional allocation of CO2 emissions allowance over provinces in China by 2020. Energy Policy, 2013, 54, 214-229.	8.8	213
6	A comparative analysis of China's regional energy and emission performance: Which is the better way to deal with undesirable outputs?. Energy Policy, 2012, 46, 574-584.	8.8	199
7	The impact of government policy on preference for NEVs: The evidence from China. Energy Policy, 2013, 61, 382-393.	8.8	197
8	An overview of climate change vulnerability: a bibliometric analysis based on Web of Science database. Natural Hazards, 2014, 74, 1649-1666.	3.4	170
9	China's regional energy and environmental efficiency: A Range-Adjusted Measure based analysis. Applied Energy, 2013, 112, 1403-1415.	10.1	158
10	Provincial allocation of carbon emission reduction targets in China: An approach based on improved fuzzy cluster and Shapley value decomposition. Energy Policy, 2014, 66, 630-644.	8.8	156
11	Energy poverty in China: An index based comprehensive evaluation. Renewable and Sustainable Energy Reviews, 2015, 47, 308-323.	16.4	141
12	Potential gains from carbon emissions trading in China: A DEA based estimation on abatement cost savings. Omega, 2016, 63, 48-59.	5.9	136
13	A novel modeling based real option approach for CCS investment evaluation under multiple uncertainties. Applied Energy, 2014, 113, 1059-1067.	10.1	112
14	Environmental efficiency and abatement efficiency measurements of China's thermal power industry: A data envelopment analysis based materials balance approach. European Journal of Operational Research, 2018, 269, 35-50.	5.7	96
15	A PSO–GA optimal model to estimate primary energy demand of China. Energy Policy, 2012, 42, 329-340.	8.8	92
16	Exploring the regional characteristics of inter-provincial CO2 emissions in China: An improved fuzzy clustering analysis based on particle swarm optimization. Applied Energy, 2012, 92, 552-562.	10.1	87
17	Responsibility accounting in carbon allocation: A global perspective. Applied Energy, 2014, 130, 122-133.	10.1	84
18	Sources of energy productivity change in China during 1997–2012: A decomposition analysis based on the Luenberger productivity indicator. Energy Economics, 2016, 54, 50-59.	12.1	81

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19	The shadow price of CO 2 emissions in China's iron and steel industry. Science of the Total Environment, 2017, 598, 272-281.	8.0	70
20	A hybrid self-adaptive Particle Swarm Optimization–Genetic Algorithm–Radial Basis Function model for annual electricity demand prediction. Energy Conversion and Management, 2015, 91, 176-185.	9.2	67
21	Carbon emissions intensity reduction target for China's power industry: An efficiency and productivity perspective. Journal of Cleaner Production, 2018, 197, 1022-1034.	9.3	66
22	An integrated assessment of INDCs under Shared Socioeconomic Pathways: an implementation of C3IAM. Natural Hazards, 2018, 92, 585-618.	3.4	62
23	Spatial heterogeneity and driving forces of environmental productivity growth in China: Would it help to switch pollutant discharge fees to environmental taxes?. Journal of Cleaner Production, 2019, 223, 36-44.	9.3	60
24	Energy efficiency of China's industry sector: An adjusted network DEA (data envelopment) Tj ETQq0 0 0 rgBT /O	verlock 10) Tf <u>5</u> 0 542 To
25	China's primary energy demands in 2020: Predictions from an MPSO–RBF estimation model. Energy Conversion and Management, 2012, 61, 59-66.	9.2	54
26	Environment-adjusted operational performance evaluation of solar photovoltaic power plants: A three stage efficiency analysis. Renewable and Sustainable Energy Reviews, 2017, 76, 1153-1162.	16.4	53
27	On selecting directions for directional distance functions in a non-parametric framework: a review. Annals of Operations Research, 2019, 278, 43-76.	4.1	52
28	Total factor energy efficiency in Chinese manufacturing industry under industry and regional heterogeneities. Resources, Conservation and Recycling, 2021, 168, 105255.	10.8	49
29	Would China's power industry benefit from nationwide carbon emission permit trading? An optimization model-based ex post analysis on abatement cost savings. Applied Energy, 2019, 235, 978-986.	10.1	47
30	China's regional vulnerability to drought and its mitigation strategies under climate change: data envelopment analysis and analytic hierarchy process integrated approach. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 341-359.	2.1	46
31	Green industry development in China: An index based assessment from perspectives of both current performance and historical effort. Journal of Cleaner Production, 2020, 250, 119457.	9.3	46
32	Beijing storm of July 21, 2012: observations and reflections. Natural Hazards, 2013, 67, 969-974.	3.4	45
33	Coronavirus pandemic reduced China's CO2 emissions in short-term, while stimulus packages may lead to emissions growth in medium- and long-term. Applied Energy, 2020, 278, 115735.	10.1	44
34	Impacts of shifting China's final energy consumption to electricity on CO2 emission reduction. Energy Economics, 2018, 71, 359-369.	12.1	41
35	Development of natural gas vehicles in China: An assessment of enabling factors and barriers. Energy Policy, 2015, 85, 80-93.	8.8	40

Sources of carbon productivity change: A decomposition and disaggregation analysis based on global Luenberger productivity indicator and endogenous directional distance function. Ecological 6.3 40 Indicators, 2016, 66, 545-555.

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37	Economics of climate change and risk of disasters in Asia–Pacific region. Natural Hazards, 2016, 84, 1-5.	3.4	38
38	Operational and environmental performance in China's thermal power industry: Taking an effectiveness measure as complement to an efficiency measure. Journal of Environmental Management, 2017, 192, 254-270.	7.8	38
39	Emissions trading and abatement cost savings: An estimation of China's thermal power industry. Renewable and Sustainable Energy Reviews, 2016, 65, 1005-1017.	16.4	35
40	A permit trading scheme for facilitating energy transition: A case study of coal capacity control in China. Journal of Cleaner Production, 2020, 256, 120472.	9.3	35
41	Will Pollution Taxes Improve Joint Ecological and Economic Efficiency of Thermal Power Industry in China?: A DEAâ€Based Materials Balance Approach. Journal of Industrial Ecology, 2019, 23, 389-401.	5.5	32
42	Nash marginal abatement cost estimation of air pollutant emissions using the stochastic semi-nonparametric frontier. European Journal of Operational Research, 2019, 273, 390-400.	5.7	30
43	Opportunity and marginal abatement cost savings from China's pilot carbon emissions permit trading system: Simulating evidence from the industrial sectors. Journal of Environmental Management, 2020, 271, 110975.	7.8	30
44	Potential carbon emission abatement cost recovery from carbon emission trading in China. Journal of Modelling in Management, 2016, 11, 842-854.	1.9	29
45	Can energy-price regulations smooth price fluctuations? Evidence from China's coal sector. Energy Policy, 2019, 128, 125-135.	8.8	26
46	Cost-environment efficiency analysis of construction industry in China: A materials balance approach. Journal of Cleaner Production, 2019, 221, 457-468.	9.3	25
47	How to balance China's sustainable development goals through industrial restructuring: a multi-regional input–output optimization of the employment–energy–water–emissions nexus. Environmental Research Letters, 2020, 15, 034018.	5.2	25
48	Robust data envelopment analysis based MCDM with the consideration of uncertain data. Journal of Systems Engineering and Electronics, 2010, 21, 981-989.	2.2	23
49	Energy economics and climate policy modeling. Annals of Operations Research, 2017, 255, 1-7.	4.1	23
50	Shadow prices of direct and overall carbon emissions in China's construction industry: A parametric directional distance function-based sensitive estimation. Structural Change and Economic Dynamics, 2018, 47, 180-193.	4.5	23
51	Synergistic effects of environmental regulations on carbon productivity growth in China's major industrial sectors. Natural Hazards, 2019, 95, 55-72.	3.4	21
52	A cost–benefit analysis of the environmental taxation policy in China: A frontier analysisâ€based environmentally extended input–output optimization method. Journal of Industrial Ecology, 2020, 24, 564-576.	5.5	21
53	A novel dataset of emission abatement sector extended input-output table for environmental policy analysis. Applied Energy, 2018, 231, 1259-1267.	10.1	20
54	Inclusive and sustainable industrial development in China: An efficiency-based analysis for current status and improving potentials. Applied Energy, 2020, 268, 114876.	10.1	19

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55	Can Beijing fight with haze? Lessons can be learned from London and Los Angeles. Natural Hazards, 2014, 72, 1265-1274.	3.4	18
56	Operational performance management of the power industry: a distinguishing analysis between effectiveness and efficiency. Annals of Operations Research, 2018, 268, 513-537.	4.1	14
57	Allocation of Emissions Permit for China's Iron and Steel Industry in an Imperfectly Competitive Market: A Nash Equilibrium DEA Method. IEEE Transactions on Engineering Management, 2021, 68, 548-561.	3.5	13
58	The marginal abatement cost curve and optimized abatement trajectory of CO2 emissions from China's petroleum industry. Regional Environmental Change, 2020, 20, 1.	2.9	10
59	Fuel economy of Chinese light-duty car manufacturers: An efficiency analysis perspective. Energy, 2021, 220, 119622.	8.8	8
60	Multi-directional efficiency analysis-based regional industrial environmental performance evaluation of China. Natural Hazards, 2015, 75, 273-299.	3.4	7
61	China's regional energy efficiency: results based on three-stage DEA model. International Journal of Global Energy Issues, 2013, 36, 262.	0.4	6
62	Vulnerability of infrastructure to natural hazards and climate change in China. Natural Hazards, 2015, 75, 107-110.	3.4	6
63	Crowdfunding preferences for a sustainable milk product with integrated photovoltaic water pumping system in China. Applied Energy, 2019, 255, 113694.	10.1	6
64	Prospect of China's energy conservation and emission reduction during the remaining years of the 12th Five-Year Plan period. International Journal of Global Energy Issues, 2016, 39, 18.	0.4	5
65	Industrial Energy and Environment Efficiency of Chinese Cities: An Analysis Based on Range-Adjusted Measure. International Journal of Information Technology and Decision Making, 2017, 16, 1023-1042.	3.9	2
66	Evaluation and Decomposition of Energy and Environmental Productivity Change Using DEA. Profiles in Operations Research, 2016, , 267-297.	0.4	2
67	The allocation of PhD enrolment quotas in China's research-oriented universities based on equity and efficiency principles. Applied Economics, 2018, 50, 3992-4004.	2.2	1
68	Purchase Intention for Crowd-funded Milk Products with Integrated Photovoltaic Water Pumping Systems in China. Energy Procedia, 2019, 159, 503-508.	1.8	0
69	Measures of industry productivity change: the case of thermal electricity generation in Chinese provinces 2000–2014. Journal of Productivity Analysis, 2020, 53, 37-52.	1.6	0