Ke Wang

List of Publications by Year
in descending order

69 papers	4,634 citations	101543 36 h-index	98798 67 g-index
70 all docs	70 docs citations	70 times ranked	3237 citing authors

#	Article	IF	Citations
1	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
2	Total factor energy efficiency in Chinese manufacturing industry under industry and regional heterogeneities. Resources, Conservation and Recycling, 2021, 168, 105255.	10.8	49
3	Fuel economy of Chinese light-duty car manufacturers: An efficiency analysis perspective. Energy, 2021, 220, 119622.	8.8	8
4	A cost–benefit analysis of the environmental taxation policy in China: A frontier analysis–based environmentally extended input–output optimization method. Journal of Industrial Ecology, 2020, 24, 564-576.	5.5	21
5	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
6	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
7	Coronavirus pandemic reduced China's CO_2 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
8	The marginal abatement cost curve and optimized abatement trajectory of CO_2 emissions from China's petroleum industry. Regional Environmental Change, 2020, 20, 1.	2.9	10
9	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
10	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
11	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
12	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
13	Purchase Intention for Crowd-funded Milk Products with Integrated Photovoltaic Water Pumping Systems in China. Energy Procedia, 2019, 159, 503-508.	1.8	0
14	Crowdfunding preferences for a sustainable milk product with integrated photovoltaic water pumping system in China. Applied Energy, 2019, 255, 113694.	10.1	6
15	Cost-environment efficiency analysis of construction industry in China: A materials balance approach. Journal of Cleaner Production, 2019, 221, 457-468.	9.3	25
16	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
17	Synergistic effects of environmental regulations on carbon productivity growth in China's major industrial sectors. Natural Hazards, 2019, 95, 55-72.	3.4	21
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Can energy-price regulations smooth price fluctuations? Evidence from China's coal sector. Energy Policy, 2019, 128, 125-135.	8.8	26
21	Will Pollution Taxes Improve Joint Ecological and Economic Efficiency of Thermal Power Industry in China?: A DEA-Based Materials Balance Approach. Journal of Industrial Ecology, 2019, 23, 389-401.	5.5	32
22	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
23	Impacts of shifting China's final energy consumption to electricity on CO_2 emission reduction. Energy Economics, 2018, 71, 359-369.	12.1	41
24	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
25	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
26	A novel dataset of emission abatement sector extended input-output table for environmental policy analysis. Applied Energy, 2018, 231, 1259-1267.	10.1	20
27	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
28	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
29	An integrated assessment of INDCs under Shared Socioeconomic Pathways: an implementation of C3IAM. Natural Hazards, 2018, 92, 585-618.	3.4	62
30	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
31	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
32	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
33	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
34	Energy economics and climate policy modeling. Annals of Operations Research, 2017, 255, 1-7.	4.1	23
35	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
36	Potential carbon emission abatement cost recovery from carbon emission trading in China. Journal of Modelling in Management, 2016, 11, 842-854.	1.9	29

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37	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
38	Economics of climate change and risk of disasters in Asia–Pacific region. Natural Hazards, 2016, 84, 1-5.	3.4	38
39	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
40	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
41	Sources of carbon productivity change: A decomposition and disaggregation analysis based on global Luenberger productivity indicator and endogenous directional distance function. Ecological Indicators, 2016, 66, 545-555.	6.3	40
42	Potential gains from carbon emissions trading in China: A DEA based estimation on abatement cost savings. Omega, 2016, 63, 48-59.	5.9	136
43	Evaluation and Decomposition of Energy and Environmental Productivity Change Using DEA. Profiles in Operations Research, 2016, , 267-297.	0.4	2
44	Vulnerability of infrastructure to natural hazards and climate change in China. Natural Hazards, 2015, 75, 107-110.	3.4	6
45	Development of natural gas vehicles in China: An assessment of enabling factors and barriers. Energy Policy, 2015, 85, 80-93.	8.8	40
46	Energy poverty in China: An index based comprehensive evaluation. Renewable and Sustainable Energy Reviews, 2015, 47, 308-323.	16.4	141
47	Energy efficiency of China's industry sector: An adjusted network DEA (data envelopment) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	8.8	59
48	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
49	Multi-directional efficiency analysis-based regional industrial environmental performance evaluation of China. Natural Hazards, 2015, 75, 273-299.	3.4	7
50	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
51	Can Beijing fight with haze? Lessons can be learned from London and Los Angeles. Natural Hazards, 2014, 72, 1265-1274.	3.4	18
52	Efficiency measures of the Chinese commercial banking system using an additive two-stage DEA. Omega, 2014, 44, 5-20.	5.9	278
53	An overview of climate change vulnerability: a bibliometric analysis based on Web of Science database. Natural Hazards, 2014, 74, 1649-1666.	3.4	170
54	A novel modeling based real option approach for CCS investment evaluation under multiple uncertainties. Applied Energy, 2014, 113, 1059-1067.	10.1	112

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55	China's regional industrial energy efficiency and carbon emissions abatement costs. Applied Energy, 2014, 130, 617-631.	10.1	343
56	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
57	Responsibility accounting in carbon allocation: A global perspective. Applied Energy, 2014, 130, 122-133.	10.1	84
58	Beijing storm of July 21, 2012: observations and reflections. Natural Hazards, 2013, 67, 969-974.	3.4	45
59	Regional allocation of CO2 emissions allowance over provinces in China by 2020. Energy Policy, 2013, 54, 214-229.	8.8	213
60	China's regional energy and environmental efficiency: A Range-Adjusted Measure based analysis. Applied Energy, 2013, 112, 1403-1415.	10.1	158
61	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
62	Energy and emissions efficiency patterns of Chinese regions: A multi-directional efficiency analysis. Applied Energy, 2013, 104, 105-116.	10.1	232
63	The impact of government policy on preference for NEVs: The evidence from China. Energy Policy, 2013, 61, 382-393.	8.8	197
64	China's regional energy efficiency: results based on three-stage DEA model. International Journal of Global Energy Issues, 2013, 36, 262.	0.4	6
65	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
66	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
67	A PSO–GA optimal model to estimate primary energy demand of China. Energy Policy, 2012, 42, 329-340.	8.8	92
68	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
69	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