

Ke Wang

List of Publications by Year in descending order

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69
papers

4,634
citations

101384

36
h-index

102304

66
g-index

70
all docs

70
docs citations

70
times ranked

3237
citing authors

#	ARTICLE	IF	CITATIONS
1	China's regional industrial energy efficiency and carbon emissions abatement costs. <i>Applied Energy</i> , 2014, 130, 617-631.	5.1	343
2	China's regional energy and environmental efficiency: A DEA window analysis based dynamic evaluation. <i>Mathematical and Computer Modelling</i> , 2013, 58, 1117-1127.	2.0	326
3	Efficiency measures of the Chinese commercial banking system using an additive two-stage DEA. <i>Omega</i> , 2014, 44, 5-20.	3.6	278
4	Energy and emissions efficiency patterns of Chinese regions: A multi-directional efficiency analysis. <i>Applied Energy</i> , 2013, 104, 105-116.	5.1	232
5	Regional allocation of CO2 emissions allowance over provinces in China by 2020. <i>Energy Policy</i> , 2013, 54, 214-229.	4.2	213
6	A comparative analysis of China's regional energy and emission performance: Which is the better way to deal with undesirable outputs?. <i>Energy Policy</i> , 2012, 46, 574-584.	4.2	199
7	The impact of government policy on preference for NEVs: The evidence from China. <i>Energy Policy</i> , 2013, 61, 382-393.	4.2	197
8	An overview of climate change vulnerability: a bibliometric analysis based on Web of Science database. <i>Natural Hazards</i> , 2014, 74, 1649-1666.	1.6	170
9	China's regional energy and environmental efficiency: A Range-Adjusted Measure based analysis. <i>Applied Energy</i> , 2013, 112, 1403-1415.	5.1	158
10	Provincial allocation of carbon emission reduction targets in China: An approach based on improved fuzzy cluster and Shapley value decomposition. <i>Energy Policy</i> , 2014, 66, 630-644.	4.2	156
11	Energy poverty in China: An index based comprehensive evaluation. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 47, 308-323.	8.2	141
12	Potential gains from carbon emissions trading in China: A DEA based estimation on abatement cost savings. <i>Omega</i> , 2016, 63, 48-59.	3.6	136
13	A novel modeling based real option approach for CCS investment evaluation under multiple uncertainties. <i>Applied Energy</i> , 2014, 113, 1059-1067.	5.1	112
14	Environmental efficiency and abatement efficiency measurements of China's thermal power industry: A data envelopment analysis based materials balance approach. <i>European Journal of Operational Research</i> , 2018, 269, 35-50.	3.5	96
15	A PSO-GA optimal model to estimate primary energy demand of China. <i>Energy Policy</i> , 2012, 42, 329-340.	4.2	92
16	Exploring the regional characteristics of inter-provincial CO2 emissions in China: An improved fuzzy clustering analysis based on particle swarm optimization. <i>Applied Energy</i> , 2012, 92, 552-562.	5.1	87
17	Responsibility accounting in carbon allocation: A global perspective. <i>Applied Energy</i> , 2014, 130, 122-133.	5.1	84
18	Sources of energy productivity change in China during 1997-2012: A decomposition analysis based on the Luenberger productivity indicator. <i>Energy Economics</i> , 2016, 54, 50-59.	5.6	81

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19	The shadow price of CO ₂ emissions in China's iron and steel industry. <i>Science of the Total Environment</i> , 2017, 598, 272-281.	3.9	70
20	A hybrid self-adaptive Particle Swarm Optimizationâ€“Genetic Algorithmâ€“Radial Basis Function model for annual electricity demand prediction. <i>Energy Conversion and Management</i> , 2015, 91, 176-185.	4.4	67
21	Carbon emissions intensity reduction target for China's power industry: An efficiency and productivity perspective. <i>Journal of Cleaner Production</i> , 2018, 197, 1022-1034.	4.6	66
22	An integrated assessment of INDCs under Shared Socioeconomic Pathways: an implementation of C3IAM. <i>Natural Hazards</i> , 2018, 92, 585-618.	1.6	62
23	Spatial heterogeneity and driving forces of environmental productivity growth in China: Would it help to switch pollutant discharge fees to environmental taxes?. <i>Journal of Cleaner Production</i> , 2019, 223, 36-44.	4.6	60
24	Energy efficiency of China's industry sector: An adjusted network DEA (data envelopment) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	4.5	59
25	Chinaâ€™s primary energy demands in 2020: Predictions from an MPSOâ€“RBF estimation model. <i>Energy Conversion and Management</i> , 2012, 61, 59-66.	4.4	54
26	Environment-adjusted operational performance evaluation of solar photovoltaic power plants: A three stage efficiency analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 1153-1162.	8.2	53
27	On selecting directions for directional distance functions in a non-parametric framework: a review. <i>Annals of Operations Research</i> , 2019, 278, 43-76.	2.6	52
28	Total factor energy efficiency in Chinese manufacturing industry under industry and regional heterogeneities. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105255.	5.3	49
29	Would Chinaâ€™s power industry benefit from nationwide carbon emission permit trading? An optimization model-based ex post analysis on abatement cost savings. <i>Applied Energy</i> , 2019, 235, 978-986.	5.1	47
30	Chinaâ€™s regional vulnerability to drought and its mitigation strategies under climate change: data envelopment analysis and analytic hierarchy process integrated approach. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015, 20, 341-359.	1.0	46
31	Green industry development in China: An index based assessment from perspectives of both current performance and historical effort. <i>Journal of Cleaner Production</i> , 2020, 250, 119457.	4.6	46
32	Beijing storm of July 21, 2012: observations and reflections. <i>Natural Hazards</i> , 2013, 67, 969-974.	1.6	45
33	Coronavirus pandemic reduced Chinaâ€™s CO ₂ emissions in short-term, while stimulus packages may lead to emissions growth in medium- and long-term. <i>Applied Energy</i> , 2020, 278, 115735.	5.1	44
34	Impacts of shifting China's final energy consumption to electricity on CO ₂ emission reduction. <i>Energy Economics</i> , 2018, 71, 359-369.	5.6	41
35	Development of natural gas vehicles in China: An assessment of enabling factors and barriers. <i>Energy Policy</i> , 2015, 85, 80-93.	4.2	40
36	Sources of carbon productivity change: A decomposition and disaggregation analysis based on global Luenberger productivity indicator and endogenous directional distance function. <i>Ecological Indicators</i> , 2016, 66, 545-555.	2.6	40

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37	Economics of climate change and risk of disasters in Asiaâ€‘Pacific region. <i>Natural Hazards</i> , 2016, 84, 1-5.	1.6	38
38	Operational and environmental performance in China's thermal power industry: Taking an effectiveness measure as complement to an efficiency measure. <i>Journal of Environmental Management</i> , 2017, 192, 254-270.	3.8	38
39	Emissions trading and abatement cost savings: An estimation of China's thermal power industry. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 65, 1005-1017.	8.2	35
40	A permit trading scheme for facilitating energy transition: A case study of coal capacity control in China. <i>Journal of Cleaner Production</i> , 2020, 256, 120472.	4.6	35
41	Will Pollution Taxes Improve Joint Ecological and Economic Efficiency of Thermal Power Industry in China?: A DEAâ€‘Based Materials Balance Approach. <i>Journal of Industrial Ecology</i> , 2019, 23, 389-401.	2.8	32
42	Nash marginal abatement cost estimation of air pollutant emissions using the stochastic semi-nonparametric frontier. <i>European Journal of Operational Research</i> , 2019, 273, 390-400.	3.5	30
43	Opportunity and marginal abatement cost savings from China's pilot carbon emissions permit trading system: Simulating evidence from the industrial sectors. <i>Journal of Environmental Management</i> , 2020, 271, 110975.	3.8	30
44	Potential carbon emission abatement cost recovery from carbon emission trading in China. <i>Journal of Modelling in Management</i> , 2016, 11, 842-854.	1.1	29
45	Can energy-price regulations smooth price fluctuations? Evidence from Chinaâ€‘s coal sector. <i>Energy Policy</i> , 2019, 128, 125-135.	4.2	26
46	Cost-environment efficiency analysis of construction industry in China: A materials balance approach. <i>Journal of Cleaner Production</i> , 2019, 221, 457-468.	4.6	25
47	How to balance Chinaâ€‘s sustainable development goals through industrial restructuring: a multi-regional inputâ€‘output optimization of the employmentâ€‘energyâ€‘waterâ€‘emissions nexus. <i>Environmental Research Letters</i> , 2020, 15, 034018.	2.2	25
48	Robust data envelopment analysis based MCDM with the consideration of uncertain data. <i>Journal of Systems Engineering and Electronics</i> , 2010, 21, 981-989.	1.1	23
49	Energy economics and climate policy modeling. <i>Annals of Operations Research</i> , 2017, 255, 1-7.	2.6	23
50	Shadow prices of direct and overall carbon emissions in Chinaâ€‘s construction industry: A parametric directional distance function-based sensitive estimation. <i>Structural Change and Economic Dynamics</i> , 2018, 47, 180-193.	2.1	23
51	Synergistic effects of environmental regulations on carbon productivity growth in Chinaâ€‘s major industrial sectors. <i>Natural Hazards</i> , 2019, 95, 55-72.	1.6	21
52	A costâ€‘benefit analysis of the environmental taxation policy in China: A frontier analysisâ€‘based environmentally extended inputâ€‘output optimization method. <i>Journal of Industrial Ecology</i> , 2020, 24, 564-576.	2.8	21
53	A novel dataset of emission abatement sector extended input-output table for environmental policy analysis. <i>Applied Energy</i> , 2018, 231, 1259-1267.	5.1	20
54	Inclusive and sustainable industrial development in China: An efficiency-based analysis for current status and improving potentials. <i>Applied Energy</i> , 2020, 268, 114876.	5.1	19

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55	Can Beijing fight with haze? Lessons can be learned from London and Los Angeles. <i>Natural Hazards</i> , 2014, 72, 1265-1274.	1.6	18
56	Operational performance management of the power industry: a distinguishing analysis between effectiveness and efficiency. <i>Annals of Operations Research</i> , 2018, 268, 513-537.	2.6	14
57	Allocation of Emissions Permit for China's Iron and Steel Industry in an Imperfectly Competitive Market: A Nash Equilibrium DEA Method. <i>IEEE Transactions on Engineering Management</i> , 2021, 68, 548-561.	2.4	13
58	The marginal abatement cost curve and optimized abatement trajectory of CO2 emissions from China's petroleum industry. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	10
59	Fuel economy of Chinese light-duty car manufacturers: An efficiency analysis perspective. <i>Energy</i> , 2021, 220, 119622.	4.5	8
60	Multi-directional efficiency analysis-based regional industrial environmental performance evaluation of China. <i>Natural Hazards</i> , 2015, 75, 273-299.	1.6	7
61	China's regional energy efficiency: results based on three-stage DEA model. <i>International Journal of Global Energy Issues</i> , 2013, 36, 262.	0.2	6
62	Vulnerability of infrastructure to natural hazards and climate change in China. <i>Natural Hazards</i> , 2015, 75, 107-110.	1.6	6
63	Crowdfunding preferences for a sustainable milk product with integrated photovoltaic water pumping system in China. <i>Applied Energy</i> , 2019, 255, 113694.	5.1	6
64	Prospect of China's energy conservation and emission reduction during the remaining years of the 12th Five-Year Plan period. <i>International Journal of Global Energy Issues</i> , 2016, 39, 18.	0.2	5
65	Industrial Energy and Environment Efficiency of Chinese Cities: An Analysis Based on Range-Adjusted Measure. <i>International Journal of Information Technology and Decision Making</i> , 2017, 16, 1023-1042.	2.3	2
66	Evaluation and Decomposition of Energy and Environmental Productivity Change Using DEA. <i>Profiles in Operations Research</i> , 2016, , 267-297.	0.3	2
67	The allocation of PhD enrolment quotas in China's research-oriented universities based on equity and efficiency principles. <i>Applied Economics</i> , 2018, 50, 3992-4004.	1.2	1
68	Purchase Intention for Crowd-funded Milk Products with Integrated Photovoltaic Water Pumping Systems in China. <i>Energy Procedia</i> , 2019, 159, 503-508.	1.8	0
69	Measures of industry productivity change: the case of thermal electricity generation in Chinese provinces 2000-2014. <i>Journal of Productivity Analysis</i> , 2020, 53, 37-52.	0.8	0