

Shiwei Yu

List of Publications by Year in descending order

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77
papers

3,339
citations

136950

32
h-index

149698

56
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77
all docs

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docs citations

77
times ranked

2531
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Regional allocation of CO2 emissions allowance over provinces in China by 2020. <i>Energy Policy</i> , 2013, 54, 214-229.	8.8	213
3	Carbon emission coefficient measurement of the coal-to-power energy chain in China. <i>Applied Energy</i> , 2014, 114, 290-300.	10.1	168
4	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.	8.8	156
5	A dynamic all parameters adaptive BP neural networks model and its application on oil reservoir prediction. <i>Applied Mathematics and Computation</i> , 2008, 195, 66-75.	2.2	152
6	China can peak its energy-related carbon emissions before 2025: Evidence from industry restructuring. <i>Energy Economics</i> , 2018, 73, 91-107.	12.1	150
7	The achievement of the carbon emissions peak in China: The role of energy consumption structure optimization. <i>Energy Economics</i> , 2018, 74, 693-707.	12.1	109
8	A PSO-GA optimal model to estimate primary energy demand of China. <i>Energy Policy</i> , 2012, 42, 329-340.	8.8	92
9	Energy demand projection of China using a path-coefficient analysis and PSO-GA approach. <i>Energy Conversion and Management</i> , 2012, 53, 142-153.	9.2	90
10	Provincial carbon intensity abatement potential estimation in China: A PSO-GA-optimized multi-factor environmental learning curve method. <i>Energy Policy</i> , 2015, 77, 46-55.	8.8	88
11	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.	10.1	87
12	Realizing China's goals on energy saving and pollution reduction: Industrial structure multi-objective optimization approach. <i>Energy Policy</i> , 2018, 122, 300-312.	8.8	87
13	Convergence of carbon emissions intensity across Chinese industrial sectors. <i>Journal of Cleaner Production</i> , 2018, 194, 179-192.	9.3	86
14	Does the development of renewable energy promote carbon reduction? Evidence from Chinese provinces. <i>Journal of Environmental Management</i> , 2020, 268, 110634.	7.8	77
15	Optimization and evaluation of CCHP systems considering incentive policies under different operation strategies. <i>Energy</i> , 2018, 162, 825-840.	8.8	68
16	A comprehensive evaluation of the development and utilization of China's regional renewable energy. <i>Energy Policy</i> , 2019, 127, 73-86.	8.8	68
17	A hybrid self-adaptive Particle Swarm Optimization-Genetic Algorithm-Radial Basis Function model for annual electricity demand prediction. <i>Energy Conversion and Management</i> , 2015, 91, 176-185.	9.2	67
18	How renewable energy technological innovation promotes renewable power generation: Evidence from China's provincial panel data. <i>Renewable Energy</i> , 2021, 177, 1394-1407.	8.9	58

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19	China's primary energy demands in 2020: Predictions from an MPSO-RBF estimation model. <i>Energy Conversion and Management</i> , 2012, 61, 59-66.	9.2	54
20	Prediction of China's coal production-environmental pollution based on a hybrid genetic algorithm-system dynamics model. <i>Energy Policy</i> , 2012, 42, 521-529.	8.8	54
21	A multi-objective decision model for investment in energy savings and emission reductions in coal mining. <i>European Journal of Operational Research</i> , 2017, 260, 335-347.	5.7	54
22	A hybrid procedure for energy demand forecasting in China. <i>Energy</i> , 2012, 37, 396-404.	8.8	53
23	An evaluation of the supply risk for China's strategic metallic mineral resources. <i>Resources Policy</i> , 2021, 70, 101891.	9.6	51
24	Multistage assignment optimization for emergency rescue teams in the disaster chain. <i>Knowledge-Based Systems</i> , 2017, 137, 123-137.	7.1	50
25	Can China realise its energy-savings goal by adjusting its industrial structure?. <i>Economic Systems Research</i> , 2016, 28, 273-293.	2.7	46
26	A hybrid GA-TS algorithm for open vehicle routing optimization of coal mines material. <i>Expert Systems With Applications</i> , 2011, 38, 10568-10573.	7.6	44
27	Developing an optimal renewable electricity generation mix for China using a fuzzy multi-objective approach. <i>Renewable Energy</i> , 2019, 139, 1086-1098.	8.9	44
28	China's regional social vulnerability to geological disasters: evaluation and spatial characteristics analysis. <i>Natural Hazards</i> , 2016, 84, 97-111.	3.4	40
29	Determinants of overcapacity in China's renewable energy industry: Evidence from wind, photovoltaic, and biomass energy enterprises. <i>Energy Economics</i> , 2021, 97, 105056.	12.1	40
30	Does development of renewable energy reduce energy intensity? Evidence from 82 countries. <i>Technological Forecasting and Social Change</i> , 2022, 174, 121254.	11.6	38
31	Optimal management of multi-stakeholder distributed energy systems in low-carbon communities considering demand response resources and carbon tax. <i>Sustainable Cities and Society</i> , 2020, 61, 102230.	10.4	37
32	Estimating the carbon abatement potential of economic sectors in China. <i>Applied Energy</i> , 2016, 165, 107-118.	10.1	35
33	Evaluating provincial eco-efficiency in China: an improved network data envelopment analysis model with undesirable output. <i>Environmental Science and Pollution Research</i> , 2020, 27, 6886-6903.	5.3	35
34	How to attract customers to buy green housing? Their heterogeneous willingness to pay for different attributes. <i>Journal of Cleaner Production</i> , 2019, 230, 709-719.	9.3	33
35	The grid parity analysis of onshore wind power in China: A system cost perspective. <i>Renewable Energy</i> , 2020, 148, 22-30.	8.9	30
36	Assessment of natural gas supply security in Asia Pacific: Composite indicators with compromise Benefit-of-the-Doubt weights. <i>Resources Policy</i> , 2020, 67, 101671.	9.6	30

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37	Carbon reduction cost estimating of Chinese coal-fired power generation units: A perspective from national energy consumption standard. <i>Journal of Cleaner Production</i> , 2016, 139, 612-621.	9.3	28
38	A dynamic programming model for environmental investment decision-making in coal mining. <i>Applied Energy</i> , 2016, 166, 273-281.	10.1	26
39	A neuro-fuzzy GA-BP method of seismic reservoir fuzzy rules extraction. <i>Expert Systems With Applications</i> , 2010, 37, 2037-2042.	7.6	25
40	Layout optimization of China's power transmission lines for renewable power integration considering flexible resources and grid stability. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 135, 107507.	5.5	24
41	Evaluating the influence of increasing block tariffs in residential gas sector using agent-based computational economics. <i>Energy Policy</i> , 2016, 92, 334-347.	8.8	22
42	A real option model for geothermal heating investment decision making: Considering carbon trading and resource taxes. <i>Energy</i> , 2019, 189, 116252.	8.8	22
43	Effects of investment on energy intensity: evidence from China. <i>Chinese Journal of Population Resources and Environment</i> , 2016, 14, 197-207.	1.5	20
44	The evolution of CO2 emissions in international trade for major economies: a perspective from the global supply chain. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2017, 22, 1229-1248.	2.1	20
45	How does coal-electricity price linkage impact on the profit of enterprises in China? Evidence from a Stackelberg game model. <i>Resources, Conservation and Recycling</i> , 2018, 129, 383-391.	10.8	20
46	Computing the contribution rate of scientific and technological progress to economic growth in Chinese regions. <i>Expert Systems With Applications</i> , 2012, 39, 8514-8521.	7.6	17
47	Convergence of per capita carbon emissions in the Yangtze River Economic Belt, China. <i>Energy and Environment</i> , 2019, 30, 776-799.	4.6	17
48	Spatial impacts of biomass resource endowment on provincial green development efficiency. <i>Renewable Energy</i> , 2022, 189, 651-662.	8.9	17
49	Evaluation of socioeconomic impacts on and risks for shale gas exploration in China. <i>Energy Strategy Reviews</i> , 2015, 6, 30-38.	7.3	16
50	Prediction of primary energy demand in China based on AGAEDE optimal model. <i>Chinese Journal of Population Resources and Environment</i> , 2016, 14, 16-29.	1.5	16
51	The optimal research and development portfolio of low-carbon energy technologies: A study of China. <i>Journal of Cleaner Production</i> , 2018, 176, 1065-1077.	9.3	15
52	The effect of renewable energy development on China's energy intensity: Evidence from partially linear functional-coefficient panel data analyses. <i>Journal of Cleaner Production</i> , 2022, 350, 131505.	9.3	13
53	A hybrid MPSO-BP structure adaptive algorithm for RBFNs. <i>Neural Computing and Applications</i> , 2009, 18, 769-779.	5.6	12
54	Housing prices and carbon emissions: a dynamic panel threshold model of 60 Chinese cities. <i>Applied Economics Letters</i> , 2021, 28, 170-185.	1.8	12

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55	Exploring household natural gas consumption patterns and their influencing factors: An integrated clustering and econometric method. <i>Energy</i> , 2021, 224, 120194.	8.8	12
56	A hybrid intelligent optimization method for multiple metal grades optimization. <i>Neural Computing and Applications</i> , 2012, 21, 1391-1402.	5.6	9
57	Soft computing applications to estimate the quantitative contribution of education on economic growth. <i>Applied Mathematics and Computation</i> , 2007, 187, 1038-1055.	2.2	7
58	Multi-directional efficiency analysis-based regional industrial environmental performance evaluation of China. <i>Natural Hazards</i> , 2015, 75, 273-299.	3.4	7
59	Economic benefit assessment of the geo-hazard monitoring and warning engineering system in the Three Gorges Reservoir area: a case study of the landslide in Zigui. <i>Natural Hazards</i> , 2015, 75, 219-231.	3.4	7
60	Multi-stage goal programming models for production optimization in the middle and later periods of oilfield development. <i>Annals of Operations Research</i> , 2017, 255, 421-437.	4.1	7
61	Modeling the coal-to-gas switch potentials in the power sector: A case study of China. <i>Energy</i> , 2020, 192, 116629.	8.8	6
62	A multi-objective optimization approach for the selection of overseas oil projects. <i>Computers and Industrial Engineering</i> , 2021, 151, 106977.	6.3	6
63	Synergy evaluation of China's economy's energy low-carbon transition and its improvement strategy for structure optimization. <i>Environmental Science and Pollution Research</i> , 2022, 29, 65061-65076.	5.3	6
64	Revealing energy and water hidden in Chinese regional critical carbon supply chains. <i>Energy Policy</i> , 2022, 165, 112979.	8.8	5
65	Ranking provincial power generation sources of China: a decision-maker preferences based integrated multi-criteria framework. <i>Environmental Science and Pollution Research</i> , 2020, 27, 36391-36410.	5.3	4
66	Exploring factors in the diffusion of different levels of green housing in china: Perspective of stakeholders. <i>Energy and Buildings</i> , 2021, 240, 110895.	6.7	4
67	Estimation and allocation of the benefits from electricity market integration in China. <i>Energy and Climate Change</i> , 2021, 2, 100054.	4.4	2
68	A Stochastic Multi-Objective Model for China's Provincial Generation-Mix Planning: Considering Variable Renewable and Transmission Capacity. <i>Energies</i> , 2022, 15, 2797.	3.1	2
69	Optimum coordinate number of clusters and best clustering in fuzzy C-means. , 2008, , .		1
70	China Human Capital Prediction Based on the PCA-BP Artificial Neural Networks. , 2009, , .		1
71	Impact of Particle Size and Grading on Aggregate-Bed 3D Concrete Printing. <i>RILEM Bookseries</i> , 2020, , 557-563.	0.4	1
72	Fuzzy Neural Network Applications on Estimating the Contribution of Different Education Levels on Human Capital of China. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
73	A hybrid GA-SA-BPNNs for human capital prediction of China regions. , 2008, , .		0
74	Empirical research on firm scale based on fuzzy neural network to listed companies of Chinese warehousing and transportation industry. , 2008, , .		0
75	A hybrid MGA-BP algorithm for RBFNs self-generate. , 2009, , .		0
76	A Multi-Coding GA-BP-RBF Model for China Human Capital Prediction. , 2009, , .		0
77	A Hybrid MPSO-BP-RBFN Model for Reservoir Lateral Prediction. Lecture Notes in Computer Science, 2009, , 607-616.	1.3	0