Shiwei Yu

List of Publications by Year
in descending order

77 papers	3,339 citations	136950 32 h-index	149698 56 g-index
77 all docs	77 docs citations	77 times ranked	2531 citing authors

#	Article	IF	Citations
1	Layout optimization of China's power transmission lines for renewable power integration considering flexible resources and grid stability. International Journal of Electrical Power and Energy Systems, 2022, 135, 107507.	5.5	24
2	Does development of renewable energy reduce energy intensity? Evidence from 82 countries. Technological Forecasting and Social Change, 2022, 174, 121254.	11.6	38
3	Spatial impacts of biomass resource endowment on provincial green development efficiency. Renewable Energy, 2022, 189, 651-662.	8.9	17
4	The effect of renewable energy development on China's energy intensity: Evidence from partially linear functional-coefficient panel data analyses. Journal of Cleaner Production, 2022, 350, 131505.	9.3	13
5	A Stochastic Multi-Objective Model for China's Provincial Generation-Mix Planning: Considering Variable Renewable and Transmission Capacity. Energies, 2022, 15, 2797.	3.1	2
6	Synergy evaluation of China's economy–energy low-carbon transition and its improvement strategy for structure optimization. Environmental Science and Pollution Research, 2022, 29, 65061-65076.	5.3	6
7	Revealing energy and water hidden in Chinese regional critical carbon supply chains. Energy Policy, 2022, 165, 112979.	8.8	5
8	Housing prices and carbon emissions: a dynamic panel threshold model of 60 Chinese cities. Applied Economics Letters, 2021, 28, 170-185.	1.8	12
9	A multi-objective optimization approach for the selection of overseas oil projects. Computers and Industrial Engineering, 2021, 151, 106977.	6.3	6
10	Determinants of overcapacity in China's renewable energy industry: Evidence from wind, photovoltaic, and biomass energy enterprises. Energy Economics, 2021, 97, 105056.	12.1	40
11	An evaluation of the supply risk for China's strategic metallic mineral resources. Resources Policy, 2021, 70, 101891.	9.6	51
12	Exploring household natural gas consumption patterns and their influencing factors: An integrated clustering and econometric method. Energy, 2021, 224, 120194.	8.8	12
13	Exploring factors in the diffusion of different levels of green housing in china: Perspective of stakeholders. Energy and Buildings, 2021, 240, 110895.	6.7	4
14	How renewable energy technological innovation promotes renewable power generation: Evidence from China's provincial panel data. Renewable Energy, 2021, 177, 1394-1407.	8.9	58
15	Estimation and allocation of the benefits from electricity market integration in China. Energy and Climate Change, 2021, 2, 100054.	4.4	2
16	Evaluating provincial eco-efficiency in China: an improved network data envelopment analysis model with undesirable output. Environmental Science and Pollution Research, 2020, 27, 6886-6903.	5.3	35
17	The grid parity analysis of onshore wind power in China: A system cost perspective. Renewable Energy, 2020, 148, 22-30.	8.9	30
18	Modeling the coal-to-gas switch potentials in the power sector: A case study of China. Energy, 2020, 192, 116629.	8.8	6

#	ARTICLE	IF	CITATIONS
19	Optimal management of multi-stakeholder distributed energy systems in low-carbon communities considering demand response resources and carbon tax. Sustainable Cities and Society, 2020, 61, 102230.	10.4	37
20	Ranking provincial power generation sources of China: a decision-maker preferences based integrated multi-criteria framework. Environmental Science and Pollution Research, 2020, 27, 36391-36410.	5.3	4
21	Assessment of natural gas supply security in Asia Pacific: Composite indicators with compromise Benefit-of-the-Doubt weights. Resources Policy, 2020, 67, 101671.	9.6	30
22	Does the development of renewable energy promote carbon reduction? Evidence from Chinese provinces. Journal of Environmental Management, 2020, 268, 110634.	7.8	77
23	Impact of Particle Size and Grading on Aggregate-Bed 3D Concrete Printing. RILEM Bookseries, 2020, , 557-563.	0.4	1
24	A real option model for geothermal heating investment decision making: Considering carbon trading and resource taxes. Energy, 2019, 189, 116252.	8.8	22
25	How to attract customers to buy green housing? Their heterogeneous willingness to pay for different attributes. Journal of Cleaner Production, 2019, 230, 709-719.	9.3	33
26	Developing an optimal renewable electricity generation mix for China using a fuzzy multi-objective approach. Renewable Energy, 2019, 139, 1086-1098.	8.9	44
27	A comprehensive evaluation of the development and utilization of China's regional renewable energy. Energy Policy, 2019, 127, 73-86.	8.8	68
28	Convergence of per capita carbon emissions in the Yangtze River Economic Belt, China. Energy and Environment, 2019, 30, 776-799.	4.6	17
29	The optimal research and development portfolio of low-carbon energy technologies: A study of China. Journal of Cleaner Production, 2018, 176, 1065-1077.	9.3	15
30	How does coal-electricity price linkage impact on the profit of enterprises in China? Evidence from a Stackelberg game model. Resources, Conservation and Recycling, 2018, 129, 383-391.	10.8	20
31	Convergence of carbon emissions intensity across Chinese industrial sectors. Journal of Cleaner Production, 2018, 194, 179-192.	9.3	86
32	Realizing China's goals on energy saving and pollution reduction: Industrial structure multi-objective optimization approach. Energy Policy, 2018, 122, 300-312.	8.8	87
33	The achievement of the carbon emissions peak in China: The role of energy consumption structure optimization. Energy Economics, 2018, 74, 693-707.	12.1	109
34	China can peak its energy-related carbon emissions before 2025: Evidence from industry restructuring. Energy Economics, 2018, 73, 91-107.	12.1	150
35	Optimization and evaluation of CCHP systems considering incentive policies under different operation strategies. Energy, 2018, 162, 825-840.	8.8	68
36	Multi-stage goal programming models for production optimization in the middle and later periods of oilfield development. Annals of Operations Research, 2017, 255, 421-437.	4.1	7

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37	A multi-objective decision model for investment in energy savings and emission reductions in coal mining. European Journal of Operational Research, 2017, 260, 335-347.	5.7	54
38	The evolution of CO2 emissions in international trade for major economies: a perspective from the global supply chain. Mitigation and Adaptation Strategies for Global Change, 2017, 22, 1229-1248.	2.1	20
39	Multistage assignment optimization for emergency rescue teams in the disaster chain. Knowledge-Based Systems, 2017, 137, 123-137.	7.1	50
40	Evaluating the influence of increasing block tariffs in residential gas sector using agent-based computational economics. Energy Policy, 2016, 92, 334-347.	8.8	22
41	Carbon reduction cost estimating of Chinese coal-fired power generation units: A perspective from national energy consumption standard. Journal of Cleaner Production, 2016, 139, 612-621.	9.3	28
42	Effects of investment on energy intensity: evidence from China. Chinese Journal of Population Resources and Environment, 2016, 14, 197-207.	1.5	20
43	Can China realise its energy-savings goal by adjusting its industrial structure?. Economic Systems Research, 2016, 28, 273-293.	2.7	46
44	China's regional social vulnerability to geological disasters: evaluation and spatial characteristics analysis. Natural Hazards, 2016, 84, 97-111.	3.4	40
45	Prediction of primary energy demand in China based on AGAEDE optimal model. Chinese Journal of Population Resources and Environment, 2016, 14, 16-29.	1.5	16
46	Estimating the carbon abatement potential of economic sectors in China. Applied Energy, 2016, 165, 107-118.	10.1	35
47	A dynamic programming model for environmental investment decision-making in coal mining. Applied Energy, 2016, 166, 273-281.	10.1	26
48	Evaluation of socioeconomic impacts on and risks for shale gas exploration in China. Energy Strategy Reviews, 2015, 6, 30-38.	7.3	16
49	Provincial carbon intensity abatement potential estimation in China: A PSO–GA-optimized multi-factor environmental learning curve method. Energy Policy, 2015, 77, 46-55.	8.8	88
50	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
51	Multi-directional efficiency analysis-based regional industrial environmental performance evaluation of China. Natural Hazards, 2015, 75, 273-299.	3.4	7
52	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. Natural Hazards, 2015, 75, 219-231.	3.4	7
53	Carbon emission coefficient measurement of the coal-to-power energy chain in China. Applied Energy, 2014, 114, 290-300.	10.1	168
54	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

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55	Regional allocation of CO2 emissions allowance over provinces in China by 2020. Energy Policy, 2013, 54, 214-229.	8.8	213
56	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
57	A hybrid intelligent optimization method for multiple metal grades optimization. Neural Computing and Applications, 2012, 21, 1391-1402.	5.6	9
58	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
59	Energy demand projection of China using a path-coefficient analysis and PSO–GA approach. Energy Conversion and Management, 2012, 53, 142-153.	9.2	90
60	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
61	A hybrid procedure for energy demand forecasting in China. Energy, 2012, 37, 396-404.	8.8	53
62	A PSO–GA optimal model to estimate primary energy demand of China. Energy Policy, 2012, 42, 329-340.	8.8	92
63	Prediction of China's coal production-environmental pollution based on a hybrid genetic algorithm-system dynamics model. Energy Policy, 2012, 42, 521-529.	8.8	54
64	Computing of the contribution rate of scientific and technological progress to economic growth in Chinese regions. Expert Systems With Applications, 2012, 39, 8514-8521.	7.6	17
65	A hybrid GA–TS algorithm for open vehicle routing optimization of coal mines material. Expert Systems With Applications, 2011, 38, 10568-10573.	7.6	44
66	A neuro-fuzzy GA-BP method of seismic reservoir fuzzy rules extraction. Expert Systems With Applications, 2010, 37, 2037-2042.	7.6	25
67	A hybrid MGA-BP algorithm for RBFNs self-generate. , 2009, , .		0
68	A Multi-Coding GA-BP-RBF Model for China Human Capital Prediction. , 2009, , .		0
69	A hybrid MPSO-BP structure adaptive algorithm for RBFNs. Neural Computing and Applications, 2009, 18, 769-779.	5.6	12
70	China Human Capital Prediction Based on the PCA-BP Artificial Neural Networks. , 2009, , .		1
71	A Hybrid MPSO-BP-RBFN Model for Reservoir Lateral Prediction. Lecture Notes in Computer Science, 2009, , 607-616.	1.3	0
72	A dynamic all parameters adaptive BP neural networks model and its application on oil reservoir prediction. Applied Mathematics and Computation, 2008, 195, 66-75.	2.2	152

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73	A hybrid GA-SA-BPNNs for human capital prediction of China regions. , 2008, , .		0
74	Optimum coordinate number of clusters and best clustering in fuzzy C-means. , 2008, , .		1
75	Empirical research on firm scale based on fuzzy neural network to listed companies of Chinese warehousing and transportation industry. , 2008, , .		0
76	Fuzzy Neural Network Applications on Estimating the Contribution of Different Education Levels on Human Capital of China. , 2007, , .		0
77	Soft computing applications to estimate the quantitative contribution of education on economic growth. Applied Mathematics and Computation, 2007, 187, 1038-1055.	2.2	7