

Jingzheng Ren

List of Publications by Year in descending order

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220
papers

8,773
citations

30070

54
h-index

62596

80
g-index

231
all docs

231
docs citations

231
times ranked

6819
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction and demolition waste management in China through the 3R principle. Resources, Conservation and Recycling, 2018, 129, 36-44.	10.8	578
2	Urban sewage sludge, sustainability, and transition for Eco-City: Multi-criteria sustainability assessment of technologies based on best-worst method. Technological Forecasting and Social Change, 2017, 116, 29-39.	11.6	174
3	Prioritization of bioethanol production pathways in China based on life cycle sustainability assessment and multicriteria decision-making. International Journal of Life Cycle Assessment, 2015, 20, 842-853.	4.7	164
4	Eco-benefits assessment on urban industrial symbiosis based on material flows analysis and emergy evaluation approach: A case of Liuzhou city, China. Resources, Conservation and Recycling, 2017, 119, 78-88.	10.8	144
5	Short term electric load forecasting model and its verification for process industrial enterprises based on hybrid GA-PSO-BPNN algorithm—A case study of papermaking process. Energy, 2019, 170, 1215-1227.	8.8	142
6	Quantifying, measuring, and strategizing energy security: Determining the most meaningful dimensions and metrics. Energy, 2014, 76, 838-849.	8.8	137
7	Prioritizing low-carbon energy sources to enhance China's energy security. Energy Conversion and Management, 2015, 92, 129-136.	9.2	129
8	Optimal Design and Effective Control of Triple-Column Extractive Distillation for Separating Ethyl Acetate/Ethanol/Water with Multi-azeotrope. Industrial & Engineering Chemistry Research, 2019, 58, 7265-7283.	3.7	126
9	Examining industrial structure changes and corresponding carbon emission reduction effect by combining input-output analysis and social network analysis: A comparison study of China and Japan. Journal of Cleaner Production, 2017, 162, 61-70.	9.3	125
10	Selecting sustainable energy conversion technologies for agricultural residues: A fuzzy AHP-VIKOR based prioritization from life cycle perspective. Resources, Conservation and Recycling, 2019, 142, 78-87.	10.8	117
11	Analysis on spatial-temporal features of taxis' emissions from big data informed travel patterns: a case of Shanghai, China. Journal of Cleaner Production, 2017, 142, 926-935.	9.3	108
12	Sustainability of hydrogen supply chain. Part I: Identification of critical criteria and cause-effect analysis for enhancing the sustainability using DEMATEL. International Journal of Hydrogen Energy, 2013, 38, 14159-14171.	7.1	102
13	Fuzzy Multi-actor Multi-criteria Decision Making for sustainability assessment of biomass-based technologies for hydrogen production. International Journal of Hydrogen Energy, 2013, 38, 9111-9120.	7.1	101
14	Plasma-induced highly efficient synthesis of boron doped reduced graphene oxide for supercapacitors. Chemical Communications, 2016, 52, 10988-10991.	4.1	101
15	Towards preventative eco-industrial development: an industrial and urban symbiosis case in one typical industrial city in China. Journal of Cleaner Production, 2016, 114, 387-400.	9.3	98
16	Sustainability, shale gas, and energy transition in China: Assessing barriers and prioritizing strategic measures. Energy, 2015, 84, 551-562.	8.8	96
17	Fuzzy multi-criteria decision-making method for technology selection for emissions reduction from shipping under uncertainties. Transportation Research, Part D: Transport and Environment, 2015, 40, 43-60.	6.8	96
18	A grey-based group decision-making methodology for the selection of hydrogen technologies in life cycle sustainability perspective. International Journal of Hydrogen Energy, 2012, 37, 17663-17670.	7.1	95

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19	Identification of critical success factors for sustainable development of biofuel industry in China based on grey decision-making trial and evaluation laboratory (DEMATEL). Journal of Cleaner Production, 2016, 131, 500-508.	9.3	95
20	Measuring energy security performance within China: Toward an inter-provincial prospective. Energy, 2017, 125, 825-836.	8.8	95
21	Selection of sustainable alternative energy source for shipping: Multi-criteria decision making under incomplete information. Renewable and Sustainable Energy Reviews, 2017, 74, 1003-1019.	16.4	94
22	Life cycle sustainability decision-support framework for ranking of hydrogen production pathways under uncertainties: An interval multi-criteria decision making approach. Journal of Cleaner Production, 2018, 175, 222-236.	9.3	93
23	Market dynamics, innovation, and transition in China's solar photovoltaic (PV) industry: A critical review. Renewable and Sustainable Energy Reviews, 2017, 69, 197-206.	16.4	91
24	Waste-to-energy, municipal solid waste treatment, and best available technology: Comprehensive evaluation by an interval-valued fuzzy multi-criteria decision making method. Journal of Cleaner Production, 2018, 172, 887-899.	9.3	88
25	Sustainability ranking of energy storage technologies under uncertainties. Journal of Cleaner Production, 2018, 170, 1387-1398.	9.3	87
26	Measuring the sustainability of marine fuels: A fuzzy group multi-criteria decision making approach. Transportation Research, Part D: Transport and Environment, 2017, 54, 12-29.	6.8	84
27	Sustainability prioritization of energy storage technologies for promoting the development of renewable energy: A novel intuitionistic fuzzy combinative distance-based assessment approach. Renewable Energy, 2018, 121, 666-676.	8.9	83
28	Investigation of energy-saving azeotropic dividing wall column to achieve cleaner production via heat exchanger network and heat pump technique. Journal of Cleaner Production, 2019, 234, 410-422.	9.3	83
29	Optimization and control of energy saving side-stream extractive distillation with heat integration for separating ethyl acetate-ethanol azeotrope. Chemical Engineering Science, 2020, 215, 115373.	3.8	83
30	Carbon footprints of urban transition: Tracking circular economy promotions in Guiyang, China. Ecological Modelling, 2017, 365, 30-44.	2.5	81
31	Biofuel for vehicle use in China: Current status, future potential and policy implications. Renewable and Sustainable Energy Reviews, 2018, 82, 645-653.	16.4	78
32	An empirical study on transit-oriented low-carbon urban land use planning: Exploratory Spatial Data Analysis (ESDA) on Shanghai, China. Habitat International, 2016, 53, 379-389.	5.8	77
33	Towards sustainable separation of the ternary azeotropic mixture based on the intensified reactive-extractive distillation configurations and multi-objective particle swarm optimization. Journal of Cleaner Production, 2022, 332, 130116.	9.3	77
34	Hydrogen economy in China: Strengthsâ€“weaknessesâ€“opportunitiesâ€“threats analysis and strategies prioritization. Renewable and Sustainable Energy Reviews, 2015, 41, 1230-1243.	16.4	76
35	Multi-objective optimization of organic Rankine cycle system for the waste heat recovery in the heat pump assisted reactive dividing wall column. Energy Conversion and Management, 2019, 199, 112041.	9.2	76
36	Sustainability decision support framework for industrial system prioritization. AIChE Journal, 2016, 62, 108-130.	3.6	74

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37	Investigation on ternary system tetrahydrofuran/ethanol/water with three azeotropes separation via the combination of reactive and extractive distillation. Journal of Cleaner Production, 2020, 273, 123145.	9.3	74
38	Enhancing China's energy security: Determining influential factors and effective strategic measures. Energy Conversion and Management, 2014, 88, 589-597.	9.2	73
39	Balancing regional industrial development: analysis on regional disparity of China's industrial emissions and policy implications. Journal of Cleaner Production, 2016, 126, 223-235.	9.3	73
40	Recent developments of hydrogen production from sewage sludge by biological and thermochemical process. International Journal of Hydrogen Energy, 2019, 44, 19676-19697.	7.1	73
41	Determining the life cycle energy efficiency of six biofuel systems in China: A Data Envelopment Analysis. Bioresource Technology, 2014, 162, 1-7.	9.6	71
42	Role prioritization of hydrogen production technologies for promoting hydrogen economy in the current state of China. Renewable and Sustainable Energy Reviews, 2015, 41, 1217-1229.	16.4	71
43	An architecture of deep learning in QSPR modeling for the prediction of critical properties using molecular signatures. AIChE Journal, 2019, 65, e16678.	3.6	70
44	Predictive deep learning models for environmental properties: the direct calculation of octanol-water partition coefficients from molecular graphs. Green Chemistry, 2019, 21, 4555-4565.	9.0	69
45	Integration of water footprint accounting and costs for optimal chemical pulp supply mix in paper industry. Journal of Cleaner Production, 2014, 72, 167-173.	9.3	64
46	Multi-criteria group decision-making based sustainability measurement of wastewater treatment processes. Environmental Impact Assessment Review, 2017, 65, 91-99.	9.2	64
47	New energy vehicle in China for sustainable development: Analysis of success factors and strategic implications. Transportation Research, Part D: Transport and Environment, 2018, 59, 268-288.	6.8	64
48	Synergistic CO ₂ reduction effects in Chinese urban agglomerations: Perspectives from social network analysis. Science of the Total Environment, 2021, 798, 149352.	8.0	64
49	Comparative assessment of circular economy development in China's four megacities: The case of Beijing, Chongqing, Shanghai and Urumqi. Journal of Cleaner Production, 2017, 162, 234-246.	9.3	61
50	Industrial symbiosis as a countermeasure for resource dependent city: A case study of Guiyang, China. Journal of Cleaner Production, 2015, 107, 252-266.	9.3	59
51	Pleasure or profit? Surveying the purchasing intentions of potential electric vehicle adopters in China. Transportation Research, Part A: Policy and Practice, 2019, 124, 69-81.	4.2	59
52	Stakeholder-oriented multi-objective process optimization based on an improved genetic algorithm. Computers and Chemical Engineering, 2020, 132, 106618.	3.8	58
53	Dual-porosity Mn ₂ O ₃ cubes for highly efficient dye adsorption. Journal of Hazardous Materials, 2017, 333, 222-231.	12.4	57
54	Material flows and resource productivity in China, South Korea and Japan from 1970 to 2008: A transitional perspective. Journal of Cleaner Production, 2017, 141, 1164-1177.	9.3	57

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55	Technology selection for ballast water treatment by multi-stakeholders: A multi-attribute decision analysis approach based on the combined weights and extension theory. Chemosphere, 2018, 191, 747-760.	8.2	57
56	Energy-efficient extractive pressure-swing distillation for separating binary minimum azeotropic mixture dimethyl carbonate and ethanol. Separation and Purification Technology, 2019, 229, 115817.	7.9	57
57	Evaluation of electricity supply sustainability and security: Multi-criteria decision analysis approach. Journal of Cleaner Production, 2018, 172, 438-453.	9.3	56
58	A sustainability assessment methodology for prioritizing the technologies of groundwater contamination remediation. Journal of Cleaner Production, 2016, 112, 4647-4656.	9.3	55
59	Factor decomposition analysis and causal mechanism investigation on urban transport CO ₂ emissions: Comparative study on Shanghai and Tokyo. Energy Policy, 2017, 107, 658-668.	8.8	54
60	Sustainability assessment of groundwater remediation technologies based on multi-criteria decision making method. Resources, Conservation and Recycling, 2017, 119, 36-46.	10.8	52
61	Viability of hydrogen pathways that enhance energy security: A comparison of China and Denmark. International Journal of Hydrogen Energy, 2014, 39, 15320-15329.	7.1	51
62	Multi-attribute sustainability evaluation of alternative aviation fuels based on fuzzy ANP and fuzzy grey relational analysis. Journal of Air Transport Management, 2018, 68, 176-186.	4.5	51
63	Distributed energy system for sustainability transition: A comprehensive assessment under uncertainties based on interval multi-criteria decision making method by coupling interval DEMATEL and interval VIKOR. Energy, 2019, 169, 750-761.	8.8	51
64	The separation of ternary azeotropic mixture: Thermodynamic insight and improved multi-objective optimization. Energy, 2020, 206, 118117.	8.8	51
65	Using multi-criteria analysis to prioritize renewable energy home heating technologies. Sustainable Energy Technologies and Assessments, 2018, 29, 36-43.	2.7	50
66	Regional disparity analysis of Chinese freight transport CO ₂ emissions from 1990 to 2007: Driving forces and policy challenges. Journal of Transport Geography, 2016, 56, 1-14.	5.0	49
67	Life Cycle Sustainability Assessment of Chemical Processes: A Vector-Based Three-Dimensional Algorithm Coupled with AHP. Industrial & Engineering Chemistry Research, 2017, 56, 11216-11227.	3.7	49
68	Sustainable design and multi-objective optimization of eco-efficient extractive distillation with single and double entrainer(s) for separating the ternary azeotropic mixture tetrahydrofuran/ethanol/methanol. Separation and Purification Technology, 2022, 285, 120413.	7.9	49
69	Sustainability of hydrogen supply chain. Part II: Prioritizing and classifying the sustainability of hydrogen supply chains based on the combination of extension theory and AHP. International Journal of Hydrogen Energy, 2013, 38, 13845-13855.	7.1	48
70	Life cycle energy and CO ₂ emission optimization for biofuel supply chain planning under uncertainties. Energy, 2016, 103, 151-166.	8.8	48
71	Forecasting COD load in municipal sewage based on ARMA and VAR algorithms. Resources, Conservation and Recycling, 2019, 144, 56-64.	10.8	47
72	An urban-rural and sex differences in cancer incidence and mortality and the relationship with PM _{2.5} exposure: An ecological study in the southeastern side of Hu line. Chemosphere, 2019, 216, 766-773.	8.2	47

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73	Co-benefits accounting for the implementation of eco-industrial development strategies in the scale of industrial park based on emergy analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1522-1529.	16.4	46
74	Energy performance contracting, risk factors, and policy implications: Identification and analysis of risks based on the best-worst network method. <i>Energy</i> , 2019, 170, 1-13.	8.8	46
75	Optimization of emergy sustainability index for biodiesel supply network design. <i>Energy Conversion and Management</i> , 2015, 92, 312-321.	9.2	45
76	Reducing rebound effect through fossil subsidies reform: A comprehensive evaluation in China. <i>Journal of Cleaner Production</i> , 2017, 141, 305-314.	9.3	45
77	Sustainable development of sewage sludge-to-energy in China: Barriers identification and technologies prioritization. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 384-396.	16.4	45
78	Measuring and improving regional energy security: A methodological framework based on both quantitative and qualitative analysis. <i>Energy</i> , 2021, 227, 120534.	8.8	45
79	Comparative optimal design and control of two alternative approaches for separating heterogeneous mixtures isopropyl alcohol-isopropyl acetate-water with four azeotropes. <i>Separation and Purification Technology</i> , 2019, 225, 1-17.	7.9	44
80	Dynamic controllability investigation of an energy-saving double side-stream ternary extractive distillation process. <i>Separation and Purification Technology</i> , 2019, 225, 41-53.	7.9	43
81	Alternative-fuel based vehicles for sustainable transportation: A fuzzy group decision supporting framework for sustainability prioritization. <i>Technological Forecasting and Social Change</i> , 2019, 140, 33-43.	11.6	43
82	Techno-economic analysis of coal-to-liquid processes with different gasifier alternatives. <i>Journal of Cleaner Production</i> , 2020, 253, 120006.	9.3	43
83	Energy-efficient recovery of tetrahydrofuran and ethyl acetate by triple-column extractive distillation: entrainer design and process optimization. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 303-315.	4.4	42
84	Spatial distribution of China's renewable energy industry: Regional features and implications for a harmonious development future. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 1521-1531.	16.4	40
85	Multi-criteria sustainability assessment of urban sludge treatment technologies: Method and case study. <i>Resources, Conservation and Recycling</i> , 2018, 128, 546-554.	10.8	40
86	Multi-criteria decision making for the prioritization of energy systems under uncertainties after life cycle sustainability assessment. <i>Sustainable Production and Consumption</i> , 2018, 16, 45-57.	11.0	40
87	Advanced exergy analysis of organic Rankine Cycles for Fischer-Tropsch syngas production with parallel dry and steam methane reforming. <i>Energy Conversion and Management</i> , 2019, 199, 111963.	9.2	40
88	CO2 emission reduction potential in China from combined effects of structural adjustment of economy and efficiency improvement. <i>Resources, Conservation and Recycling</i> , 2021, 174, 105760.	10.8	40
89	Mitigating pollution of hazardous materials from WEEE of China: Portfolio selection for a sustainable future based on multi-criteria decision making. <i>Resources, Conservation and Recycling</i> , 2015, 105, 198-210.	10.8	39
90	Design and modeling of sustainable bioethanol supply chain by minimizing the total ecological footprint in life cycle perspective. <i>Bioresource Technology</i> , 2013, 146, 771-774.	9.6	38

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91	Multi-criteria decision analysis of China's energy security from 2008 to 2017 based on Fuzzy BWM-DEA-AR model and Malmquist Productivity Index. <i>Energy</i> , 2021, 228, 120481.	8.8	37
92	Life cycle cost optimization of biofuel supply chains under uncertainties based on interval linear programming. <i>Bioresource Technology</i> , 2015, 187, 6-13.	9.6	36
93	Polygeneration system and sustainability: Multi-attribute decision-support framework for comprehensive assessment under uncertainties. <i>Journal of Cleaner Production</i> , 2017, 167, 1122-1137.	9.3	36
94	Evaluating efficiency of energy conservation measures in energy service companies in China. <i>Energy Policy</i> , 2018, 122, 580-591.	8.8	34
95	Sustainability assessment of straw direct combustion power generation in China: From the environmental and economic perspectives of straw substitute to coal. <i>Journal of Cleaner Production</i> , 2020, 273, 122890.	9.3	34
96	Multiactor multicriteria decision making for life cycle sustainability assessment under uncertainties. <i>AIChE Journal</i> , 2018, 64, 2103-2112.	3.6	33
97	The Dragon awakens: Innovation, competition, and transition in the energy strategy of the People's Republic of China, 1949-2017. <i>Energy Policy</i> , 2017, 108, 634-644.	8.8	31
98	Life cycle aggregated sustainability index for the prioritization of industrial systems under data uncertainties. <i>Computers and Chemical Engineering</i> , 2018, 113, 253-263.	3.8	31
99	Measuring coupling coordination between urban economic development and air quality based on the Fuzzy BWM and improved CCD model. <i>Sustainable Cities and Society</i> , 2021, 75, 103283.	10.4	31
100	Selection of sustainable prime mover for combined cooling, heat, and power technologies under uncertainties: An interval multicriteria decision-making approach. <i>International Journal of Energy Research</i> , 2018, 42, 2655-2669.	4.5	30
101	Route selection for low-carbon ammonia production: A sustainability prioritization framework based-on the combined weights and projection ranking by similarity to referencing vector method. <i>Journal of Cleaner Production</i> , 2018, 193, 263-276.	9.3	30
102	The process control of the triple-column pressure-swing extractive distillation with partial heat integration. <i>Separation and Purification Technology</i> , 2020, 238, 116416.	7.9	30
103	Emergy Analysis and Sustainability Efficiency Analysis of Different Crop-Based Biodiesel in Life Cycle Perspective. <i>Scientific World Journal</i> , The, 2013, 2013, 1-12.	2.1	29
104	How can a life cycle inventory parametric model streamline life cycle assessment in the wooden pallet sector?. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 901-918.	4.7	29
105	A novel unambiguous strategy of molecular feature extraction in machine learning assisted predictive models for environmental properties. <i>Green Chemistry</i> , 2020, 22, 3867-3876.	9.0	29
106	Intensification and performance assessment for synthesis of 2-methoxy-2-methyl-heptane through the combined use of different pressure thermally coupled reactive distillation and heat integration technique. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 142, 107561.	3.6	28
107	Portfolio selection of renewable energy-powered desalination systems with sustainability perspective: A novel MADM-based framework under data uncertainties. <i>Journal of Cleaner Production</i> , 2020, 275, 124114.	9.3	28
108	Temporal trends and spatial patterns of energy use efficiency and greenhouse gas emissions in crop production of Anhui Province, China. <i>Energy</i> , 2017, 133, 955-968.	8.8	27

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109	Carbon footprint analysis of organic rankine cycle system using zeotropic mixtures considering leak of fluid. Journal of Cleaner Production, 2019, 239, 118095.	9.3	27
110	Exploring the Direction on the Environmental and Business Performance Relationship at the Firm Level. Lessons from a Literature Review. Sustainability, 2016, 8, 1200.	3.2	26
111	Design for sustainability of industrial symbiosis based on emergy and multi-objective particle swarm optimization. Science of the Total Environment, 2016, 562, 789-801.	8.0	26
112	Developing a novel gasification-based sludge-to-methanol utilization process and exergy-economic-environmental (3E) analysis. Energy Conversion and Management, 2022, 260, 115600.	9.2	26
113	Opportunities and Future Challenges in Hydrogen Economy for Sustainable Development. , 2017, , 277-305.		25
114	GM(1,N) method for the prediction of anaerobic digestion system and sensitivity analysis of influential factors. Bioresource Technology, 2018, 247, 1258-1261.	9.6	25
115	Sustainability Assessment Framework for Chemical Processes Selection under Uncertainties: A Vector-Based Algorithm Coupled with Multicriteria Decision-Making Approaches. Industrial & Engineering Chemistry Research, 2018, 57, 7999-8010.	3.7	25
116	Conventional and advanced exergy analyses of a vehicular proton exchange membrane fuel cell power system. Energy, 2021, 222, 119939.	8.8	25
117	Improved design of heat-pump extractive distillation based on the process optimization and multi-criteria sustainability analysis. Computers and Chemical Engineering, 2022, 156, 107552.	3.8	25
118	Prediction of the yield of biohydrogen under scanty data conditions based on GM(1,N). International Journal of Hydrogen Energy, 2013, 38, 13198-13203.	7.1	24
119	“Supply push” or “demand pull”? Strategic recommendations for the responsible development of biofuel in China. Renewable and Sustainable Energy Reviews, 2015, 52, 382-392.	16.4	24
120	Does positive framing matter? An investigation of how framing affects consumers’ willingness to buy green electricity in Denmark. Energy Research and Social Science, 2018, 46, 40-47.	6.4	24
121	Multi-actor multi-criteria sustainability assessment framework for energy and industrial systems in life cycle perspective under uncertainties. Part 2: improved extension theory. International Journal of Life Cycle Assessment, 2017, 22, 1406-1417.	4.7	23
122	Multi-criteria decision making for sustainability assessment of boxboard production: A life cycle perspective considering water consumption, energy consumption, GHG emissions, and internal costs. Journal of Environmental Management, 2020, 255, 109860.	7.8	23
123	How can fuel cell vehicles bring a bright future for this dragon? Answer by multi-criteria decision making analysis. International Journal of Hydrogen Energy, 2016, 41, 17183-17192.	7.1	22
124	Sustainability prioritization framework of biorefinery: A novel multi-criteria decision-making model under uncertainty based on an improved interval goal programming method. Journal of Cleaner Production, 2020, 251, 119729.	9.3	22
125	Dynamic study in enhancing the controllability of an energy-efficient double side-stream ternary extractive distillation of acetonitrile/methanol/benzene with three azeotropes. Separation and Purification Technology, 2020, 242, 116830.	7.9	22
126	A systematic modeling methodology of deep neural network-based structure-property relationship for rapid and reliable prediction on flashpoints. AIChE Journal, 2022, 68, e17402.	3.6	22

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127	Multi-criteria sustainability assessment and decision-making framework for hydrogen pathways prioritization: An extended ELECTRE method under hybrid information. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13430-13445.	7.1	21
128	Industrial artificial intelligence based energy management system: Integrated framework for electricity load forecasting and fault prediction. <i>Energy</i> , 2022, 244, 123195.	8.8	21
129	Revealing the nexus among energy-economy system with Haken model: Evidence from China's Beijing-Tianjin-Hebei region. <i>Journal of Cleaner Production</i> , 2019, 228, 319-330.	9.3	20
130	Sustainable desalination process selection: Decision support framework under hybrid information. <i>Desalination</i> , 2019, 465, 44-57.	8.2	20
131	Multi-objective optimization and life cycle assessment of an integrated system combining LiBr/H ₂ O absorption chiller and Kalina cycle. <i>Energy Conversion and Management</i> , 2020, 225, 113448.	9.2	20
132	Meteorological conditions for severe foggy haze episodes over north China in 2016–2017 winter. <i>Atmospheric Environment</i> , 2019, 199, 284-298.	4.1	19
133	Thematic analysis of sustainable ultra-precision machining by using text mining and unsupervised learning method. <i>Journal of Manufacturing Systems</i> , 2022, 62, 218-233.	13.9	19
134	Computational electrochemistry study of derivatives of anthraquinone and phenanthraquinone analogues: the substitution effect. <i>RSC Advances</i> , 2016, 6, 89827-89835.	3.6	18
135	Prioritization of sludge-to-energy technologies under multi-data condition based on multi-criteria decision-making analysis. <i>Journal of Cleaner Production</i> , 2020, 273, 123082.	9.3	18
136	Target localization optimization of a superstructure triple-column extractive distillation with four-parallel evaporator organic Rankine cycles system based on advanced exergy analysis. <i>Separation and Purification Technology</i> , 2021, 272, 118894.	7.9	18
137	Model reductions for multiscale stochastic optimization of cooling water system equipped with closed wet cooling towers. <i>Chemical Engineering Science</i> , 2020, 224, 115773.	3.8	18
138	Sustainable water resource and endogenous economic growth. <i>Technological Forecasting and Social Change</i> , 2016, 112, 237-244.	11.6	17
139	Is the hydrogen production from biomass technology really sustainable? Answer by life cycle energy analysis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10507-10514.	7.1	17
140	Combined cooling heating and power systems: Sustainability assessment under uncertainties. <i>Energy</i> , 2017, 139, 755-766.	8.8	17
141	Continuous improvement strategies for environmental risk mitigation in chemical plants. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104885.	10.8	17
142	Insights into ensemble learning-based data-driven model for safety-related property of chemical substances. <i>Chemical Engineering Science</i> , 2022, 248, 117219.	3.8	17
143	Sustainable recycling of poultry litter to value-added products in developing countries of South Asia. <i>Journal of Cleaner Production</i> , 2022, 357, 132029.	9.3	17
144	Energy conversion of urban wastes in China: Insights into potentials and disparities of regional energy and environmental benefits. <i>Energy Conversion and Management</i> , 2019, 198, 111897.	9.2	16

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145	Towards a sustainable distributed energy system in China: decision-making for strategies and policy implications. <i>Energy, Sustainability and Society</i> , 2019, 9, .	3.8	16
146	An accurate and interpretable deep learning model for environmental properties prediction using hybrid molecular representations. <i>AIChE Journal</i> , 2022, 68, .	3.6	16
147	Developing a life cycle composite footprint index for sustainability prioritization of sludge-to-energy alternatives. <i>Journal of Cleaner Production</i> , 2021, 281, 124885.	9.3	15
148	Multi-actor multi-criteria sustainability assessment framework for energy and industrial systems in life cycle perspective under uncertainties. Part 1: weighting method. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 1397-1405.	4.7	14
149	Regional integrative benefits of converting livestock excrements to energy in China: An elaborative assessment from life cycle perspective. <i>Journal of Cleaner Production</i> , 2020, 275, 122470.	9.3	14
150	The role of science diplomacy: a historical development and international legal framework of arctic research stations under conditions of climate change, post-cold war geopolitics and globalization/power transition. <i>Journal of Environmental Studies and Sciences</i> , 2016, 6, 645-661.	2.0	13
151	Competitiveness prioritisation of container ports in Asia under the background of China's Belt and Road initiative. <i>Transport Reviews</i> , 2018, 38, 436-456.	8.8	13
152	Critical Mineral Security in China: An Evaluation Based on Hybrid MCDM Methods. <i>Sustainability</i> , 2018, 10, 4114.	3.2	13
153	Industrial wastewater desalination under uncertainty in coal-chemical eco-industrial parks. <i>Resources, Conservation and Recycling</i> , 2019, 145, 370-378.	10.8	13
154	Holistic suitability for regional biomass power generation development in China: An application of matter-element extension model. <i>Journal of Environmental Management</i> , 2020, 276, 111294.	7.8	13
155	Optimal Synthesis of Water Networks for Addressing High-Concentration Wastewater in Coal-Based Chemical Plants. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10792-10805.	6.7	12
156	Spatial-temporal energy poverty analysis of China from subnational perspective. <i>Journal of Cleaner Production</i> , 2022, 341, 130907.	9.3	12
157	Comparison of Different Multicriteria Decision-Making Methodologies for Sustainability Decision Making. , 2017, , 189-224.		11
158	Transformation and Cytotoxicity of Surface-Modified Silver Nanoparticles Undergoing Long-Term Aging. <i>Nanomaterials</i> , 2020, 10, 2255.	4.1	10
159	Thermodynamic and exergoeconomic analyses of a vehicular fuel cell power system with waste heat recovery for cabin heating and reactants preheating. <i>Energy</i> , 2022, 247, 123465.	8.8	10
160	Introduction of Hydrogen Routines. , 2017, , 35-54.		9
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