

Jingzheng Ren

List of Publications by Year in descending order

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220
papers

8,773
citations

29994

54
h-index

62479

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. <i>Resources, Conservation and Recycling</i> , 2018, 129, 36-44.	5.3	578
2	Urban sewage sludge, sustainability, and transition for Eco-City: Multi-criteria sustainability assessment of technologies based on best-worst method. <i>Technological Forecasting and Social Change</i> , 2017, 116, 29-39.	6.2	174
3	Prioritization of bioethanol production pathways in China based on life cycle sustainability assessment and multicriteria decision-making. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 842-853.	2.2	164
4	Eco-benefits assessment on urban industrial symbiosis based on material flows analysis and energy evaluation approach: A case of Liuzhou city, China. <i>Resources, Conservation and Recycling</i> , 2017, 119, 78-88.	5.3	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. <i>Energy</i> , 2019, 170, 1215-1227.	4.5	142
6	Quantifying, measuring, and strategizing energy security: Determining the most meaningful dimensions and metrics. <i>Energy</i> , 2014, 76, 838-849.	4.5	137
7	Prioritizing low-carbon energy sources to enhance China's energy security. <i>Energy Conversion and Management</i> , 2015, 92, 129-136.	4.4	129
8	Optimal Design and Effective Control of Triple-Column Extractive Distillation for Separating Ethyl Acetate/Ethanol/Water with Multi-azeotrope. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 7265-7283.	1.8	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. <i>Journal of Cleaner Production</i> , 2017, 162, 61-70.	4.6	125
10	Selecting sustainable energy conversion technologies for agricultural residues: A fuzzy AHP-VIKOR based prioritization from life cycle perspective. <i>Resources, Conservation and Recycling</i> , 2019, 142, 78-87.	5.3	117
11	Analysis on spatial-temporal features of taxis' emissions from big data informed travel patterns: a case of Shanghai, China. <i>Journal of Cleaner Production</i> , 2017, 142, 926-935.	4.6	108
12	Sustainability of hydrogen supply chain. Part I: Identification of critical criteria and cause-effect analysis for enhancing the sustainability using DEMATEL. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14159-14171.	3.8	102
13	Fuzzy Multi-actor Multi-criteria Decision Making for sustainability assessment of biomass-based technologies for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9111-9120.	3.8	101
14	Plasma-induced highly efficient synthesis of boron doped reduced graphene oxide for supercapacitors. <i>Chemical Communications</i> , 2016, 52, 10988-10991.	2.2	101
15	Towards preventative eco-industrial development: an industrial and urban symbiosis case in one typical industrial city in China. <i>Journal of Cleaner Production</i> , 2016, 114, 387-400.	4.6	98
16	Sustainability, shale gas, and energy transition in China: Assessing barriers and prioritizing strategic measures. <i>Energy</i> , 2015, 84, 551-562.	4.5	96
17	Fuzzy multi-criteria decision-making method for technology selection for emissions reduction from shipping under uncertainties. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 40, 43-60.	3.2	96
18	A grey-based group decision-making methodology for the selection of hydrogen technologies in life cycle sustainability perspective. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17663-17670.	3.8	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). <i>Journal of Cleaner Production</i> , 2016, 131, 500-508.	4.6	95
20	Measuring energy security performance within China: Toward an inter-provincial prospective. <i>Energy</i> , 2017, 125, 825-836.	4.5	95
21	Selection of sustainable alternative energy source for shipping: Multi-criteria decision making under incomplete information. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 1003-1019.	8.2	94
22	Life cycle sustainability decision-support framework for ranking of hydrogen production pathways under uncertainties: An interval multi-criteria decision making approach. <i>Journal of Cleaner Production</i> , 2018, 175, 222-236.	4.6	93
23	Market dynamics, innovation, and transition in China's solar photovoltaic (PV) industry: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 197-206.	8.2	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. <i>Journal of Cleaner Production</i> , 2018, 172, 887-899.	4.6	88
25	Sustainability ranking of energy storage technologies under uncertainties. <i>Journal of Cleaner Production</i> , 2018, 170, 1387-1398.	4.6	87
26	Measuring the sustainability of marine fuels: A fuzzy group multi-criteria decision making approach. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 54, 12-29.	3.2	84
27	Sustainability prioritization of energy storage technologies for promoting the development of renewable energy: A novel intuitionistic fuzzy combinative distance-based assessment approach. <i>Renewable Energy</i> , 2018, 121, 666-676.	4.3	83
28	Investigation of energy-saving azeotropic dividing wall column to achieve cleaner production via heat exchanger network and heat pump technique. <i>Journal of Cleaner Production</i> , 2019, 234, 410-422.	4.6	83
29	Optimization and control of energy saving side-stream extractive distillation with heat integration for separating ethyl acetate-ethanol azeotrope. <i>Chemical Engineering Science</i> , 2020, 215, 115373.	1.9	83
30	Carbon footprints of urban transition: Tracking circular economy promotions in Guiyang, China. <i>Ecological Modelling</i> , 2017, 365, 30-44.	1.2	81
31	Biofuel for vehicle use in China: Current status, future potential and policy implications. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 645-653.	8.2	78
32	An empirical study on transit-oriented low-carbon urban land use planning: Exploratory Spatial Data Analysis (ESDA) on Shanghai, China. <i>Habitat International</i> , 2016, 53, 379-389.	2.3	77
33	Towards sustainable separation of the ternary azeotropic mixture based on the intensified reactive-extractive distillation configurations and multi-objective particle swarm optimization. <i>Journal of Cleaner Production</i> , 2022, 332, 130116.	4.6	77
34	Hydrogen economy in China: Strengths“weaknesses“opportunities“threats analysis and strategies prioritization. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1230-1243.	8.2	76
35	Multi-objective optimization of organic Rankine cycle system for the waste heat recovery in the heat pump assisted reactive dividing wall column. <i>Energy Conversion and Management</i> , 2019, 199, 112041.	4.4	76
36	Sustainability decision support framework for industrial system prioritization. <i>AIChE Journal</i> , 2016, 62, 108-130.	1.8	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. <i>Journal of Cleaner Production</i> , 2020, 273, 123145.	4.6	74
38	Enhancing China's energy security: Determining influential factors and effective strategic measures. <i>Energy Conversion and Management</i> , 2014, 88, 589-597.	4.4	73
39	Balancing regional industrial development: analysis on regional disparity of China's industrial emissions and policy implications. <i>Journal of Cleaner Production</i> , 2016, 126, 223-235.	4.6	73
40	Recent developments of hydrogen production from sewage sludge by biological and thermochemical process. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19676-19697.	3.8	73
41	Determining the life cycle energy efficiency of six biofuel systems in China: A Data Envelopment Analysis. <i>Bioresource Technology</i> , 2014, 162, 1-7.	4.8	71
42	Role prioritization of hydrogen production technologies for promoting hydrogen economy in the current state of China. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1217-1229.	8.2	71
43	An architecture of deep learning in QSPR modeling for the prediction of critical properties using molecular signatures. <i>AIChE Journal</i> , 2019, 65, e16678.	1.8	70
44	Predictive deep learning models for environmental properties: the direct calculation of octanol-water partition coefficients from molecular graphs. <i>Green Chemistry</i> , 2019, 21, 4555-4565.	4.6	69
45	Integration of water footprint accounting and costs for optimal chemical pulp supply mix in paper industry. <i>Journal of Cleaner Production</i> , 2014, 72, 167-173.	4.6	64
46	Multi-criteria group decision-making based sustainability measurement of wastewater treatment processes. <i>Environmental Impact Assessment Review</i> , 2017, 65, 91-99.	4.4	64
47	New energy vehicle in China for sustainable development: Analysis of success factors and strategic implications. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 59, 268-288.	3.2	64
48	Synergistic CO ₂ reduction effects in Chinese urban agglomerations: Perspectives from social network analysis. <i>Science of the Total Environment</i> , 2021, 798, 149352.	3.9	64
49	Comparative assessment of circular economy development in China's four megacities: The case of Beijing, Chongqing, Shanghai and Urumqi. <i>Journal of Cleaner Production</i> , 2017, 162, 234-246.	4.6	61
50	Industrial symbiosis as a countermeasure for resource dependent city: A case study of Guiyang, China. <i>Journal of Cleaner Production</i> , 2015, 107, 252-266.	4.6	59
51	Pleasure or profit? Surveying the purchasing intentions of potential electric vehicle adopters in China. <i>Transportation Research, Part A: Policy and Practice</i> , 2019, 124, 69-81.	2.0	59
52	Stakeholder-oriented multi-objective process optimization based on an improved genetic algorithm. <i>Computers and Chemical Engineering</i> , 2020, 132, 106618.	2.0	58
53	Dual-porosity Mn ₂ O ₃ cubes for highly efficient dye adsorption. <i>Journal of Hazardous Materials</i> , 2017, 333, 222-231.	6.5	57
54	Material flows and resource productivity in China, South Korea and Japan from 1970 to 2008: A transitional perspective. <i>Journal of Cleaner Production</i> , 2017, 141, 1164-1177.	4.6	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. <i>Chemosphere</i> , 2018, 191, 747-760.	4.2	57
56	Energy-efficient extractive pressure-swing distillation for separating binary minimum azeotropic mixture dimethyl carbonate and ethanol. <i>Separation and Purification Technology</i> , 2019, 229, 115817.	3.9	57
57	Evaluation of electricity supply sustainability and security: Multi-criteria decision analysis approach. <i>Journal of Cleaner Production</i> , 2018, 172, 438-453.	4.6	56
58	A sustainability assessment methodology for prioritizing the technologies of groundwater contamination remediation. <i>Journal of Cleaner Production</i> , 2016, 112, 4647-4656.	4.6	55
59	Factor decomposition analysis and causal mechanism investigation on urban transport CO ₂ emissions: Comparative study on Shanghai and Tokyo. <i>Energy Policy</i> , 2017, 107, 658-668.	4.2	54
60	Sustainability assessment of groundwater remediation technologies based on multi-criteria decision making method. <i>Resources, Conservation and Recycling</i> , 2017, 119, 36-46.	5.3	52
61	Viability of hydrogen pathways that enhance energy security: A comparison of China and Denmark. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15320-15329.	3.8	51
62	Multi-attribute sustainability evaluation of alternative aviation fuels based on fuzzy ANP and fuzzy grey relational analysis. <i>Journal of Air Transport Management</i> , 2018, 68, 176-186.	2.4	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. <i>Energy</i> , 2019, 169, 750-761.	4.5	51
64	The separation of ternary azeotropic mixture: Thermodynamic insight and improved multi-objective optimization. <i>Energy</i> , 2020, 206, 118117.	4.5	51
65	Using multi-criteria analysis to prioritize renewable energy home heating technologies. <i>Sustainable Energy Technologies and Assessments</i> , 2018, 29, 36-43.	1.7	50
66	Regional disparity analysis of Chinese freight transport CO ₂ emissions from 1990 to 2007: Driving forces and policy challenges. <i>Journal of Transport Geography</i> , 2016, 56, 1-14.	2.3	49
67	Life Cycle Sustainability Assessment of Chemical Processes: A Vector-Based Three-Dimensional Algorithm Coupled with AHP. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11216-11227.	1.8	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. <i>Separation and Purification Technology</i> , 2022, 285, 120413.	3.9	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. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13845-13855.	3.8	48
70	Life cycle energy and CO ₂ emission optimization for biofuel supply chain planning under uncertainties. <i>Energy</i> , 2016, 103, 151-166.	4.5	48
71	Forecasting COD load in municipal sewage based on ARMA and VAR algorithms. <i>Resources, Conservation and Recycling</i> , 2019, 144, 56-64.	5.3	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. <i>Chemosphere</i> , 2019, 216, 766-773.	4.2	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 energy analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1522-1529.	8.2	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.	4.5	46
75	Optimization of energy sustainability index for biodiesel supply network design. <i>Energy Conversion and Management</i> , 2015, 92, 312-321.	4.4	45
76	Reducing rebound effect through fossil subsidies reform: A comprehensive evaluation in China. <i>Journal of Cleaner Production</i> , 2017, 141, 305-314.	4.6	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.	8.2	45
78	Measuring and improving regional energy security: A methodological framework based on both quantitative and qualitative analysis. <i>Energy</i> , 2021, 227, 120534.	4.5	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.	3.9	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.	3.9	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.	6.2	43
82	Techno-economic analysis of coal-to-liquid processes with different gasifier alternatives. <i>Journal of Cleaner Production</i> , 2020, 253, 120006.	4.6	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.	2.3	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.	8.2	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.	5.3	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.	5.7	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.	4.4	40
88	CO ₂ 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.	5.3	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.	5.3	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.	4.8	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.	4.5	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.	4.8	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.	4.6	36
94	Evaluating efficiency of energy conservation measures in energy service companies in China. <i>Energy Policy</i> , 2018, 122, 580-591.	4.2	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.	4.6	34
96	Multiactor multicriteria decision making for life cycle sustainability assessment under uncertainties. <i>AIChE Journal</i> , 2018, 64, 2103-2112.	1.8	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.	4.2	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.	2.0	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.	5.1	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.	2.2	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.	4.6	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.	3.9	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.	0.8	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.	2.2	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.	4.6	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.	1.8	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.	4.6	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.	4.5	27

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109	Carbon footprint analysis of organic rankine cycle system using zeotropic mixtures considering leak of fluid. <i>Journal of Cleaner Production</i> , 2019, 239, 118095.	4.6	27
110	Exploring the Direction on the Environmental and Business Performance Relationship at the Firm Level. Lessons from a Literature Review. <i>Sustainability</i> , 2016, 8, 1200.	1.6	26
111	Design for sustainability of industrial symbiosis based on emergy and multi-objective particle swarm optimization. <i>Science of the Total Environment</i> , 2016, 562, 789-801.	3.9	26
112	Developing a novel gasification-based sludge-to-methanol utilization process and exergy-economic-environmental (3E) analysis. <i>Energy Conversion and Management</i> , 2022, 260, 115600.	4.4	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. <i>Bioresource Technology</i> , 2018, 247, 1258-1261.	4.8	25
115	Sustainability Assessment Framework for Chemical Processes Selection under Uncertainties: A Vector-Based Algorithm Coupled with Multicriteria Decision-Making Approaches. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7999-8010.	1.8	25
116	Conventional and advanced exergy analyses of a vehicular proton exchange membrane fuel cell power system. <i>Energy</i> , 2021, 222, 119939.	4.5	25
117	Improved design of heat-pump extractive distillation based on the process optimization and multi-criteria sustainability analysis. <i>Computers and Chemical Engineering</i> , 2022, 156, 107552.	2.0	25
118	Prediction of the yield of biohydrogen under scanty data conditions based on GM(1,N). <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13198-13203.	3.8	24
119	“Supply push” or “demand pull”? Strategic recommendations for the responsible development of biofuel in China. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 382-392.	8.2	24
120	Does positive framing matter? An investigation of how framing affects consumers’ willingness to buy green electricity in Denmark. <i>Energy Research and Social Science</i> , 2018, 46, 40-47.	3.0	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. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 1406-1417.	2.2	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. <i>Journal of Environmental Management</i> , 2020, 255, 109860.	3.8	23
123	How can fuel cell vehicles bring a bright future for this dragon? Answer by multi-criteria decision making analysis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17183-17192.	3.8	22
124	Sustainability prioritization framework of biorefinery: A novel multi-criteria decision-making model under uncertainty based on an improved interval goal programming method. <i>Journal of Cleaner Production</i> , 2020, 251, 119729.	4.6	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. <i>Separation and Purification Technology</i> , 2020, 242, 116830.	3.9	22
126	A systematic modeling methodology of deep neural network-based structure-property relationship for rapid and reliable prediction on flashpoints. <i>AIChE Journal</i> , 2022, 68, e17402.	1.8	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.	3.8	21
128	Industrial artificial intelligence based energy management system: Integrated framework for electricity load forecasting and fault prediction. <i>Energy</i> , 2022, 244, 123195.	4.5	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.	4.6	20
130	Sustainable desalination process selection: Decision support framework under hybrid information. <i>Desalination</i> , 2019, 465, 44-57.	4.0	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.	4.4	20
132	Meteorological conditions for severe foggy haze episodes over north China in 2016â€“2017 winter. <i>Atmospheric Environment</i> , 2019, 199, 284-298.	1.9	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.	7.6	19
134	Computational electrochemistry study of derivatives of anthraquinone and phenanthraquinone analogues: the substitution effect. <i>RSC Advances</i> , 2016, 6, 89827-89835.	1.7	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.	4.6	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.	3.9	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.	1.9	18
138	Sustainable water resource and endogenous economic growth. <i>Technological Forecasting and Social Change</i> , 2016, 112, 237-244.	6.2	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.	3.8	17
140	Combined cooling heating and power systems: Sustainability assessment under uncertainties. <i>Energy</i> , 2017, 139, 755-766.	4.5	17
141	Continuous improvement strategies for environmental risk mitigation in chemical plants. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104885.	5.3	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.	1.9	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.	4.6	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.	4.4	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, .	1.7	16
146	An accurate and interpretable deep learning model for environmental properties prediction using hybrid molecular representations. <i>AIChE Journal</i> , 2022, 68, .	1.8	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.	4.6	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.	2.2	14
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