

Irma ChacÃ³n

List of Publications by Year in descending order

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1,078
papers

31,927
citations

8159

76
h-index

22764

112
g-index

1090
all docs

1090
docs citations

1090
times ranked

16647
citing authors

#	ARTICLE	IF	CITATIONS
1	What is the relationship between energy consumption and economic development? New evidence from a rapidly growing economic development region. <i>Environment, Development and Sustainability</i> , 2023, 25, 3601-3626.	2.7	7
2	A sustainable road pricing oriented bilevel optimization approach under multiple environmental uncertainties. <i>International Journal of Sustainable Transportation</i> , 2022, 16, 152-165.	2.1	2
3	A maximum entropy copula-based frequency analysis method for assessing bivariate drought risk: a case study of the Kaidu River Basin. <i>Journal of Water and Climate Change</i> , 2022, 13, 175-189.	1.2	10
4	Stepwise clustered heatwave downscaling and projection for Guangdong Province. <i>International Journal of Climatology</i> , 2022, 42, 2835-2860.	1.5	11
5	Electrically conductive inorganic membranes: A review on principles, characteristics and applications. <i>Chemical Engineering Journal</i> , 2022, 427, 131987.	6.6	53
6	Superwetting polyethersulfone membrane functionalized with ZrO ₂ nanoparticles for polycyclic aromatic hydrocarbon removal. <i>Journal of Materials Science and Technology</i> , 2022, 98, 14-25.	5.6	14
7	Development of an SMR-induced environmental input-output analysis model – Application to Saskatchewan, Canada. <i>Science of the Total Environment</i> , 2022, 806, 150297.	3.9	3
8	Bayesian model averaging of the RegCM temperature projections: a Canadian case study. <i>Journal of Water and Climate Change</i> , 2022, 13, 771-785.	1.2	2
9	Analysis of South American climate and teleconnection indices. <i>Journal of Contaminant Hydrology</i> , 2022, 244, 103915.	1.6	2
10	Nanocellulose enhances the dispersion and toxicity of ZnO NPs to green algae <i>Eremosphaera viridis</i> . <i>Environmental Science: Nano</i> , 2022, 9, 393-405.	2.2	10
11	A Multi-Stochastic SMR Siting Model Applied to the Province of Saskatchewan, Canada: Emphasis on Technological Competition and Policy Impacts. <i>Resources, Conservation and Recycling</i> , 2022, 178, 106059.	5.3	1
12	Multi-watershed nonpoint source pollution management through coupling Bayesian-based simulation and mechanism-based effluent trading optimization. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 1313-1351.	1.9	4
13	Treatment of decentralized low-strength livestock wastewater using microcurrent-assisted multi-soil-layering systems: performance assessment and microbial analysis. <i>Chemosphere</i> , 2022, 294, 133536.	4.2	6
14	Development of an integrated bi-level model for China's multi-regional energy system planning under uncertainty. <i>Applied Energy</i> , 2022, 308, 118299.	5.1	13
15	Sustainable conjunctive water management model for alleviating water shortage. <i>Journal of Environmental Management</i> , 2022, 304, 114243.	3.8	12
16	Energy-water-carbon nexus system planning: A case study of Yangtze River Delta urban agglomeration, China. <i>Applied Energy</i> , 2022, 308, 118144.	5.1	24
17	Synergic management of crop planting structure and biomass utilization pathways under a food-energy-water nexus perspective. <i>Journal of Cleaner Production</i> , 2022, 335, 130314.	4.6	10
18	A stepwise emission clustering analysis method for analyzing the effects of heavy metal emissions from multiple income groups. <i>Science of the Total Environment</i> , 2022, 812, 152472.	3.9	1

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19	Development of non-deterministic energy-water-carbon nexus planning model: A case study of Shanghai, China. <i>Energy</i> , 2022, 246, 123300.	4.5	11
20	A multivariate statistical input-output model for analyzing water-carbon nexus system from multiple perspectives - Jing-Jin-Ji region. <i>Applied Energy</i> , 2022, 310, 118560.	5.1	14
21	Analyzing extreme precipitation and temperature in Central Asia as well as quantifying their main and interactive effects under multiple uncertainties. <i>Journal of Hydrology</i> , 2022, 607, 127469.	2.3	5
22	A Stepwise Clustered Hydrological Model for Addressing the Temporal Autocorrelation of Daily Streamflows in Irrigated Watersheds. <i>Water Resources Research</i> , 2022, 58, .	1.7	9
23	Regression Tree Ensemble Rainfall-Runoff Forecasting Model and Its Application to Xiangxi River, China. <i>Water (Switzerland)</i> , 2022, 14, 463.	1.2	7
24	Development of a Stepwise-Clustered Multi-Catchment Hydrological Model for Quantifying Interactions in Regional Climate-Runoff Relationships. <i>Water Resources Research</i> , 2022, 58, .	1.7	5
25	A coupled non-deterministic optimization and mixed-level factorial analysis model for power generation expansion planning - A case study of Jing-Jin-Ji metropolitan region, China. <i>Applied Energy</i> , 2022, 311, 118621.	5.1	3
26	Development of a multi-GCMs Bayesian copula method for assessing multivariate drought risk under climate change: A case study of the Aral Sea basin. <i>Catena</i> , 2022, 212, 106048.	2.2	12
27	Water Footprint Analysis Under Dual Pressures of Carbon Mitigation and Trade Barrier: A CGE-Based Study for Yangtze River Economic Belt. <i>Water Resources Research</i> , 2022, 58, .	1.7	3
28	Mapping Water, Energy and Carbon Footprints Along Urban Agglomeration Supply Chains. <i>Earth's Future</i> , 2022, 10, .	2.4	3
29	Low-Cost ceramic disk filters coated with Graphitic carbon nitride (g-C ₃ N ₄) for drinking water disinfection and purification. <i>Separation and Purification Technology</i> , 2022, 292, 120999.	3.9	10
30	A fixed-mix stochastic fractional programming method for optimizing agricultural irrigation and hydropower generation in Central Asia. <i>Journal of Contaminant Hydrology</i> , 2022, 248, 104004.	1.6	2
31	Planning energy economy and eco-environment nexus system under uncertainty: A copula-based stochastic multi-level programming method. <i>Applied Energy</i> , 2022, 312, 118736.	5.1	9
32	Optimal design of two-dimensional water trading based on risk aversion for sustainable development of Daguhe watershed, China. <i>Journal of Environmental Management</i> , 2022, 309, 114679.	3.8	5
33	Planning water-food-ecology nexus system under uncertainty: Tradeoffs and synergies in Central Asia. <i>Agricultural Water Management</i> , 2022, 266, 107549.	2.4	3
34	Planning regional-scale water-energy-food nexus system management under uncertainty: An inexact fractional programming method. <i>Journal of Contaminant Hydrology</i> , 2022, 247, 103985.	1.6	6
35	A two-phase factorial input-output model for analyzing CO ₂ -emission reduction pathway and strategy from multiple perspectives - A case study of Fujian province. <i>Energy</i> , 2022, 248, 123615.	4.5	11
36	An improved fuzzy sorting algorithm coupling bi-level programming for synergetic optimization of agricultural water resources: A case study of Fujian Province, China. <i>Journal of Environmental Management</i> , 2022, 312, 114946.	3.8	3

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37	Identifying critical energy-water paths and clusters within the urban agglomeration using machine learning algorithm. <i>Energy</i> , 2022, 250, 123880.	4.5	8
38	Development of a Bayesian Copula-based Spatial-temporal Method for Multivariate Drought Risk Analysis. , 2022, , .		0
39	Development of a disaggregated multi-level factorial hydrologic data assimilation model. <i>Journal of Hydrology</i> , 2022, 610, 127802.	2.3	11
40	Perspectives on environmental applications of hexagonal boron nitride nanomaterials. <i>Nano Today</i> , 2022, 44, 101486.	6.2	60
41	Pressure Drop Optimization of the Main Steam and Reheat Steam System of a 1000 MW Secondary Reheat Unit. <i>Energies</i> , 2022, 15, 3279.	1.6	2
42	A factorial interval chance-constrained diet model for dairy farms under climate change: A case study for the Province of Saskatchewan, Canada. <i>Journal of Cleaner Production</i> , 2022, 360, 132059.	4.6	3
43	Conjunctive Water Management under Multiple Uncertainties: A Case Study of the Amu Darya River Basin, Central Asia. <i>Water (Switzerland)</i> , 2022, 14, 1541.	1.2	0
44	Sector-level socio-economic and environmental effects of large-scale hydropower initiatives -- a multi-region multi-phase model for the Wudongde Hydropower Station. <i>Applied Energy</i> , 2022, 317, 119157.	5.1	5
45	An interval two-stage fuzzy fractional programming model for planning water resources management in the coastal region " A case study of Shenzhen, China. <i>Environmental Pollution</i> , 2022, 306, 119343.	3.7	3
46	Inter-Provincial Electricity Trading and Its Effects on Carbon Emissions from the Power Industry. <i>Energies</i> , 2022, 15, 3601.	1.6	4
47	Analyzing "spatial" temporal change of multivariate drought risk based on Bayesian copula: Application to the Balkhash Lake basin. <i>Theoretical and Applied Climatology</i> , 2022, 149, 787-804.	1.3	3
48	Optimizing effluent trading and risk management schemes considering dual risk aversion for an agricultural watershed. <i>Agricultural Water Management</i> , 2022, 269, 107716.	2.4	14
49	Development of a Joint Probabilistic Rainfall-Runoff Model for High-to-Extreme Flow Projections Under Changing Climatic Conditions. <i>Water Resources Research</i> , 2022, 58, .	1.7	7
50	Developing a factorial hypothetical extraction model for assessing composite effects on cutting national carbon emission intensity. <i>Journal of Environmental Sciences</i> , 2022, , .	3.2	0
51	Photocatalytic disinfection for point-of-use water treatment using Ti3+ self-doping TiO2 nanoparticle decorated ceramic disk filter. <i>Environmental Research</i> , 2022, 212, 113602.	3.7	5
52	Identifying Main Factors of Wind Power Generation Based on Principal Component Regression: A Case Study of Xiamen. , 2022, , .		0
53	Functional flax fiber with UV-induced switchable wettability for multipurpose oil-water separation. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	3.3	9
54	Multifactorial Principal-Monotonicity Inference for Macro-Scale Distributed Hydrologic Modeling. <i>Water Resources Research</i> , 2022, 58, .	1.7	2

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55	Impact from the evolution of private vehicle fleet composition on traffic related emissions in the small-medium automotive city. <i>Science of the Total Environment</i> , 2022, 840, 156657.	3.9	6
56	Planning Economy-energy-environment Nexus System: A Case Study of Pearl River Delta, China. , 2022, , .		0
57	Exploring the embodied carbon flow interactive relationships in China from an ecological network perspective: a model framework and application at provincial level. <i>Environmental Science and Pollution Research</i> , 2022, 29, 88972-88988.	2.7	2
58	Spatiotemporal Heterogeneity in Precipitation over China and Its Connections with Large-Scale Climate Oscillationsâ€”A Moisture Budget Perspective. <i>Journal of Climate</i> , 2022, 35, 5257-5281.	1.2	2
59	Medium- and Long-Term Planning of an Integrated Eco-Compensation System Considering Ecological Water Demand under Uncertainty: A Case Study of Daguhe Watershed in China. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022, 148, .	1.3	4
60	Stepwise clustering future meteorological drought projection and multi-level factorial analysis under climate change: A case study of the Pearl River Basin, China. <i>Environmental Research</i> , 2021, 196, 110368.	3.7	29
61	Removal of arsenic from water through ceramic filter modified by nano-CeO2: A cost-effective approach for remote areas. <i>Science of the Total Environment</i> , 2021, 750, 141510.	3.9	23
62	Exploration of nanocellulose washing agent for the green remediation of phenanthrene-contaminated soil. <i>Journal of Hazardous Materials</i> , 2021, 403, 123861.	6.5	23
63	Inter-regional cluster analysis of heavy-metal emissions. <i>Journal of Cleaner Production</i> , 2021, 282, 124439.	4.6	6
64	Exploring the decentralized treatment of sulfamethoxazole-contained poultry wastewater through vertical-flow multi-soil-layering systems in rural communities. <i>Water Research</i> , 2021, 188, 116480.	5.3	48
65	Review of aquatic toxicity of pharmaceuticals and personal care products to algae. <i>Journal of Hazardous Materials</i> , 2021, 410, 124619.	6.5	73
66	A GIS-based multi-criteria decision making method for the potential assessment and suitable sites selection of PV and CSP plants. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105306.	5.3	55
67	Risk of hydrological failure under the compound effects of instant flow and precipitation peaks under climate change: A case study of Mountain Island Dam, North Carolina. <i>Journal of Cleaner Production</i> , 2021, 284, 125305.	4.6	10
68	Identifying the key sectors for regional energy, water and carbon footprints from production-, consumption- and network-based perspectives. <i>Science of the Total Environment</i> , 2021, 764, 142821.	3.9	34
69	Carbon-subsidized inter-regional electric power system planning under cost-risk tradeoff and uncertainty: A case study of Inner Mongolia, China. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110439.	8.2	16
70	A factorial CGE model for analyzing the impacts of stepped carbon tax on Chinese economy and carbon emission. <i>Science of the Total Environment</i> , 2021, 759, 143512.	3.9	55
71	Urban land-use planning under multi-uncertainty and multiobjective considering ecosystem service value and economic benefit - A case study of Guangzhou, China. <i>Ecological Complexity</i> , 2021, 45, 100886.	1.4	18
72	Vine Copula Ensemble Downscaling for Precipitation Projection Over the Loess Plateau Based on Highâ€”Resolution Multiâ€”RCM Outputs. <i>Water Resources Research</i> , 2021, 57, .	1.7	12

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73	Comprehensive evaluation of adsorption performances of carbonaceous materials for sulfonamide antibiotics removal. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2400-2414.	2.7	10
74	Long-term effects of TBBPA-contaminated pyrogenic organic matter under abiotic aging: insights on immobilization capacity, surface functionality correlation, and phytotoxicity to <i>Thinopyrum ponticum</i> . <i>Environmental Science: Nano</i> , 2021, 8, 1896-1909.	2.2	1
75	A Structural Adjustment optimization model for electric-power system management under multiple Uncertainties – A case study of Urumqi city, China. <i>Energy Policy</i> , 2021, 149, 112056.	4.2	4
76	Probabilistic assessment of crop yield loss to drought time-scales in Xinjiang, China. <i>International Journal of Climatology</i> , 2021, 41, 4077-4094.	1.5	12
77	An integrated multi-GCMs Bayesian-neural-network hydrological analysis method for quantifying climate change impact on runoff of the Amu Darya River basin. <i>International Journal of Climatology</i> , 2021, 41, 3411-3424.	1.5	12
78	Ensemble projection of city-level temperature extremes with stepwise cluster analysis. <i>Climate Dynamics</i> , 2021, 56, 3313-3335.	1.7	11
79	A multicriteria small modular reactor site selection model under long-term variations of climatic conditions – A case study for the province of Saskatchewan, Canada. <i>Journal of Cleaner Production</i> , 2021, 290, 125651.	4.6	5
80	Optimization of Water-Food Nexus System under Dual Uncertainties. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 691, 012010.	0.2	0
81	Assessment and offset of the adverse effects induced by PM2.5 from coal-fired power plants in China. <i>Journal of Cleaner Production</i> , 2021, 286, 125397.	4.6	9
82	Assessment of the effects of human activity and natural condition on the outflow of Syr Darya River: A stepwise-cluster factorial analysis method. <i>Environmental Research</i> , 2021, 194, 110634.	3.7	5
83	An integrated Bayesian least-squares-support-vector-machine factorial-analysis (B-LSVM-FA) method for inferring inflow from the Amu Darya to the Aral Sea under ensemble prediction. <i>Journal of Hydrology</i> , 2021, 594, 125909.	2.3	10
84	Projection of apparent temperature using statistical downscaling approach in the Pearl River Delta. <i>Theoretical and Applied Climatology</i> , 2021, 144, 1253-1266.	1.3	3
85	Development of a factorial water policy simulation approach from production and consumption perspectives. <i>Water Research</i> , 2021, 193, 116892.	5.3	23
86	Synergetic management of energy-water nexus system under uncertainty: An interval bi-level joint-probabilistic programming method. <i>Journal of Cleaner Production</i> , 2021, 292, 125942.	4.6	16
87	Development of an integrated multivariate trend-frequency analysis method: Spatial-temporal characteristics of climate extremes under global warming for Central Asia. <i>Environmental Research</i> , 2021, 195, 110859.	3.7	32
88	A copula-based stochastic fractional programming method for optimizing water-food-energy nexus system under uncertainty in the Aral Sea basin. <i>Journal of Cleaner Production</i> , 2021, 292, 126037.	4.6	32
89	Development of clustered polynomial chaos expansion model for stochastic hydrological prediction. <i>Journal of Hydrology</i> , 2021, 595, 126022.	2.3	16
90	Wind Farm Location Special Optimization Based on Grid GIS and Choquet Fuzzy Integral Method in Dalian City, China. <i>Energies</i> , 2021, 14, 2454.	1.6	3

#	ARTICLE	IF	CITATIONS
91	A C-Vine Copula-Based Quantile Regression Method for Streamflow Forecasting in Xiangxi River Basin, China. Sustainability, 2021, 13, 4627.	1.6	4
92	Multi-hierarchy virtual-water managementâ€“ A case study of Hubei Province, China. Journal of Cleaner Production, 2021, 293, 126244.	4.6	9
93	Hazardous chemical accident prediction for drinking water sources in Three Gorges Reservoir. Journal of Cleaner Production, 2021, 296, 126529.	4.6	8
94	SMR siting for the electricity system management. Journal of Cleaner Production, 2021, 297, 126621.	4.6	4
95	Systematic evaluation for hydropower exploitation rationality in hydro-dominant area: A case study of Sichuan Province, China. Renewable Energy, 2021, 168, 1096-1111.	4.3	10
96	An inexact two-stage multi-objective waste management planning model under considerations of subsidies and uncertainties: A case study of Baotou, China. Journal of Cleaner Production, 2021, 298, 126873.	4.6	15
97	Economic sensitivity analysis of dual perspectives induced by energy scarcity for energy-dependent region. Science of the Total Environment, 2021, 768, 144876.	3.9	13
98	A chance-constrained urban agglomeration energy model for cooperative carbon emission management. Energy, 2021, 223, 119885.	4.5	9
99	Analyzing streamflow variation in the data-sparse mountainous regions: An integrated CCA-RF-FA framework. Journal of Hydrology, 2021, 596, 126056.	2.3	11
100	A two-stage factorial-analysis-based input-output model for virtual-water quantification and metabolic-network identification in Kyrgyzstan. Journal of Cleaner Production, 2021, 301, 126960.	4.6	9
101	Economic modeling of national energy, water and air pollution nexus in China under changing climate conditions. Renewable Energy, 2021, 170, 375-386.	4.3	16
102	A fractional multi-stage simulation-optimization energy model for carbon emission management of urban agglomeration. Science of the Total Environment, 2021, 774, 144963.	3.9	15
103	Impacts of climate variations on non-stationarity of streamflow over Canada. Environmental Research, 2021, 197, 111118.	3.7	12
104	A multi-scenario factorial analysis and multi-regional input-output model for analyzing CO2 emission reduction path in Jing-Jin-Ji region. Journal of Cleaner Production, 2021, 300, 126782.	4.6	23
105	Assessment of regional greenhouse gas emissions from spring wheat cropping system: A case study of Saskatchewan in Canada. Journal of Cleaner Production, 2021, 301, 126917.	4.6	6
106	Trophic transfer potential of nTiO2, nZnO, and triclosan in an algae-algae eating fish food chain. Aquatic Toxicology, 2021, 235, 105824.	1.9	22
107	Optimal design and sensitivity analysis of the stand-alone hybrid energy system with PV and biomass-CHP for remote villages. Energy, 2021, 225, 120323.	4.5	50
108	Development of enthalpy-based climate indicators for characterizing building cooling and heating energy demand under climate change. Renewable and Sustainable Energy Reviews, 2021, 143, 110799.	8.2	9

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109	Multi-level factorial analysis for ensemble data-driven hydrological prediction. <i>Advances in Water Resources</i> , 2021, 153, 103948.	1.7	12
110	Mathematical modeling for planning water-food-ecology-energy nexus system under uncertainty: A case study of the Aral Sea Basin. <i>Journal of Cleaner Production</i> , 2021, 308, 127368.	4.6	33
111	A multi-scenario ensemble streamflow forecast method for Amu Darya River Basin under considering climate and land-use changes. <i>Journal of Hydrology</i> , 2021, 598, 126276.	2.3	15
112	A Factorial Ecological-Extended Physical Input-Output Model for Identifying Optimal Urban Solid Waste Path in Fujian Province, China. <i>Sustainability</i> , 2021, 13, 8341.	1.6	2
113	A factorial emission-focused general equilibrium model for investigating composite effects of multiple environmental policies. <i>Water Research</i> , 2021, 201, 117336.	5.3	7
114	Ensemble Drought Exposure Projection for Multifactorial Interactive Effects of Climate Change and Population Dynamics: Application to the Pearl River Basin. <i>Earth's Future</i> , 2021, 9, e2021EF002215.	2.4	12
115	Development of a Wilks feature importance method with improved variable rankings for supporting hydrological inference and modelling. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4947-4966.	1.9	7
116	A Statistical Hydrological Model for Yangtze River Watershed Based on Stepwise Cluster Analysis. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
117	The Optimization of Canola Crop Production through Wheat Residue Management within a Western Canadian Context – A Case Study of Saint-Front, Saskatchewan. <i>Sustainability</i> , 2021, 13, 10459.	1.6	0
118	Stochastic Rainwater Harvesting System Modeling Under Random Rainfall Features and Variable Water Demands. <i>Water Resources Research</i> , 2021, 57, e2021WR029731.	1.7	5
119	Life cycle-based water footprint analysis of ceramic filter for point-of-use water purification in remote areas. <i>Science of the Total Environment</i> , 2021, 786, 147424.	3.9	6
120	Multi-regional industrial wastewater metabolism analysis for the Yangtze River Economic Belt, China. <i>Environmental Pollution</i> , 2021, 284, 117118.	3.7	15
121	A chance-constrained small modular reactor siting model – a case study for the Province of Saskatchewan, Canada. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 148, 111320.	8.2	7
122	Segmented carbon tax may significantly affect the regional and national economy and environment-a CGE-based analysis for Guangdong Province. <i>Energy</i> , 2021, 231, 120958.	4.5	26
123	Long-Term Projection of Water Cycle Changes over China Using RegCM. <i>Remote Sensing</i> , 2021, 13, 3832.	1.8	6
124	Ensemble Temperature and Precipitation Projection for Multi-Factorial Interactive Effects of GCMs and SSPs: Application to China. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	12
125	Editorial Overview: Emissions of Microplastics and Their Control in the Environment. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	0.7	11
126	Regional agricultural water resources management with respect to fuzzy return and energy constraint under uncertainty: An integrated optimization approach. <i>Journal of Contaminant Hydrology</i> , 2021, 242, 103863.	1.6	11

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127	Investigation into the influencing factors and adsorption characteristics in the removal of sulfonamide antibiotics by carbonaceous materials. <i>Journal of Cleaner Production</i> , 2021, 319, 128692.	4.6	40
128	A review on graphitic carbon nitride (g-C ₃ N ₄) based hybrid membranes for water and wastewater treatment. <i>Science of the Total Environment</i> , 2021, 792, 148462.	3.9	51
129	A multi-scenario input-output economy-energy-environment nexus management model for Pearl River Delta urban agglomeration. <i>Journal of Cleaner Production</i> , 2021, 317, 128402.	4.6	17
130	Characterization of canola growth and in-vivo element fate in Canadian prairie under the interferences of tillage and residue treatment. <i>Journal of Cleaner Production</i> , 2021, 320, 128707.	4.6	0
131	Identifying optimal virtual water management strategy for Kazakhstan: A factorial ecologically-extended input-output model. <i>Journal of Environmental Management</i> , 2021, 297, 113303.	3.8	12
132	Development of a distributive Three Gorges Project input-output model to investigate the disaggregated sectoral effects of Three Gorges Project. <i>Science of the Total Environment</i> , 2021, 797, 148817.	3.9	7
133	Projections of carbon metabolism in 2035 and implications for demand-side controls under various scenarios. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111561.	8.2	11
134	A multi-sectoral decomposition and decoupling analysis of carbon emissions in Guangdong province, China. <i>Journal of Environmental Management</i> , 2021, 298, 113485.	3.8	60
135	Projections of meteorological drought based on CMIP6 multi-model ensemble: A case study of Henan Province, China. <i>Journal of Contaminant Hydrology</i> , 2021, 243, 103887.	1.6	9
136	Anomalous Tension Twinning Activity in Extruded Mg Sheet During Hard-Orientation Loading at Room Temperature. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 449-456.	1.1	22
137	Will the Chemical Contaminants in Agricultural Soil Affect the Ecotoxicity of Microplastics?. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 3-4.	1.0	11
138	Unveiling Carbon Emission Attributions along Sale Chains. <i>Environmental Science & Technology</i> , 2021, 55, 220-229.	4.6	18
139	Temporal-Spatial changes of monthly vegetation growth and their driving forces in the ancient Yellow river irrigation system, China. <i>Journal of Contaminant Hydrology</i> , 2021, 243, 103911.	1.6	4
140	Risk Assessment of Dam-Breach Flood Under Extreme Storm Events. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	1
141	Quantifying effects of compound dry-hot extremes on vegetation in Xinjiang (China) using a vine-copula conditional probability model. <i>Agricultural and Forest Meteorology</i> , 2021, 311, 108658.	1.9	23
142	Dynamical Downscaling of Temperature Variations over the Canadian Prairie Provinces under Climate Change. <i>Remote Sensing</i> , 2021, 13, 4350.	1.8	13
143	Planning a Waterâ€“Foodâ€“Energyâ€“Ecology Nexus System toward Sustainability: A Copula Bi-level Fractional Programming Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15212-15228.	3.2	9
144	Optimizing Water Resources Allocation and Hydropower Generation for Supporting Reservoir Management. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
145	An Ecological-network-analysis Input-output Model for Analyzing Energy Consumption in Fujian Province. , 2021, , .		0
146	A Stepwise-Clustered Simulation Approach for Projecting Future Heat Wave Over Guangdong Province. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	3
147	Quantifying Energy Consumption and Trade in Kyrgyzstan Based on Energy-extended Input-output Model. , 2021, , .		0
148	A genetic-algorithm-aided fuzzy chance-constrained programming model for municipal solid waste management. <i>Engineering Optimization</i> , 2020, 52, 652-668.	1.5	9
149	Revealing dynamic impacts of socioeconomic factors on air pollution changes in Guangdong Province, China. <i>Science of the Total Environment</i> , 2020, 699, 134178.	3.9	21
150	Evolution of virtual water metabolic network in developing regions: A case study of Guangdong province. <i>Ecological Indicators</i> , 2020, 108, 105750.	2.6	20
151	A novel multi-stage fuzzy stochastic programming for electricity system structure optimization and planning with energy-water nexus - A case study of Tianjin, China. <i>Energy</i> , 2020, 190, 116418.	4.5	26
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