

Irma Chacn

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,035
papers

24,923
citations

68
h-index

100
g-index

1,090
ext. papers

28,239
ext. citations

5.7
avg, IF

7.69
L-index

#	Paper	IF	Citations
1035	Development of non-deterministic energy-water-carbon nexus planning model: A case study of Shanghai, China. <i>Energy</i> , 2022 , 246, 123300	7.9	1
1034	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	10.7	2
1033	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	6	
1032	Regression Tree Ensemble Rainfall-Runoff Forecasting Model and Its Application to Xiangxi River, China. <i>Water (Switzerland)</i> , 2022 , 14, 463	3	1
1031	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	10.7	1
1030	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	5.8	0
1029	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	11.9	0
1028	Treatment of decentralized low-strength livestock wastewater using microcurrent-assisted multi-soil-layering systems: Performance Assessment and microbial analysis.. <i>Chemosphere</i> , 2022 , 133536	8.4	0
1027	Development of an integrated bi-level model for China's multi-regional energy system planning under uncertainty. <i>Applied Energy</i> , 2022 , 308, 118299	10.7	6
1026	Energy-water-carbon nexus system planning: A case study of Yangtze River Delta urban agglomeration, China. <i>Applied Energy</i> , 2022 , 308, 118144	10.7	3
1025	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	10.3	0
1024	Electrically conductive inorganic membranes: A review on principles, characteristics and applications. <i>Chemical Engineering Journal</i> , 2022 , 427, 131987	14.7	6
1023	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	9.1	7
1022	Development of an SMR-induced environmental input-output analysis model - Application to Saskatchewan, Canada. <i>Science of the Total Environment</i> , 2022 , 806, 150297	10.2	1
1021	An Integrated Bi-level Optimization Model for Planning Water-Food-Energy Nexus System Under Uncertainty. <i>Environmental Science and Engineering</i> , 2022 , 304-314	0.2	
1020	Assessment of Climate Change Impacts on Streamflow - A Case Study of Naryn River Basin, Central Asia. <i>Environmental Science and Engineering</i> , 2022 , 186-192	0.2	
1019	Planning Water-Food-Energy Nexus System Towards Sustainable Development Under Uncertainty. <i>Environmental Science and Engineering</i> , 2022 , 328-338	0.2	

1018	Low-Cost Ceramic Disk Filters Coated with Graphitic Carbon Nitride (g-C3N4) for Drinking Water Disinfection and Purification. <i>Separation and Purification Technology</i> , 2022 , 120999	8.3	1
1017	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	3.9	
1016	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	10.7	0
1015	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	7.9	0
1014	Planning water-food-ecology nexus system under uncertainty: Tradeoffs and synergies in Central Asia. <i>Agricultural Water Management</i> , 2022 , 266, 107549	5.9	0
1013	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	3.9	1
1012	A two-phase factorial input-output model for analyzing CO2-emission reduction pathway and strategy from multiple perspectives [A case study of Fujian province. <i>Energy</i> , 2022 , 248, 123615	7.9	2
1011	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	7.9	
1010	Identifying critical energy-water paths and clusters within the urban agglomeration using machine learning algorithm. <i>Energy</i> , 2022 , 250, 123880	7.9	2
1009	Development of a disaggregated multi-level factorial hydrologic data assimilation model. <i>Journal of Hydrology</i> , 2022 , 127802	6	0
1008	Perspectives on environmental applications of hexagonal boron nitride nanomaterials. <i>Nano Today</i> , 2022 , 44, 101486	17.9	5
1007	Pressure Drop Optimization of the Main Steam and Reheat Steam System of a 1000 MW Secondary Reheat Unit. <i>Energies</i> , 2022 , 15, 3279	3.1	
1006	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 , 132059	10.3	0
1005	Conjunctive Water Management under Multiple Uncertainties: A Case Study of the Amu Darya River Basin, Central Asia. <i>Water (Switzerland)</i> , 2022 , 14, 1541	3	
1004	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	10.7	0
1003	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 , 119343	9.3	1
1002	Inter-Provincial Electricity Trading and Its Effects on Carbon Emissions from the Power Industry. <i>Energies</i> , 2022 , 15, 3601	3.1	
1001	Optimizing effluent trading and risk management schemes considering dual risk aversion for an agricultural watershed. <i>Agricultural Water Management</i> , 2022 , 269, 107716	5.9	0

1000	Photocatalytic disinfection for point-of-use water treatment using Ti3+ self-doping TiO2 nanoparticle decorated ceramic disk filter. <i>Environmental Research</i> , 2022 , 113602	7.9	0
999	Analysis of South American climate and teleconnection indices. <i>Journal of Contaminant Hydrology</i> , 2021 , 244, 103915	3.9	
998	Sustainable conjunctive water management model for alleviating water shortage.. <i>Journal of Environmental Management</i> , 2021 , 304, 114243	7.9	0
997	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> , 2021 , 812, 152472	10.2	0
996	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	3.9	1
995	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	5.8	1
994	Dynamical Downscaling of Temperature Variations over the Canadian Prairie Provinces under Climate Change. <i>Remote Sensing</i> , 2021 , 13, 4350	5	2
993	Unveiling Carbon Emission Attributions along Sale Chains. <i>Environmental Science & Technology</i> , 2021 , 55, 220-229	10.3	6
992	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	10.3	3
991	Optimization of Water-Food Nexus System under Dual Uncertainties. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 691, 012010	0.3	
990	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	10.3	4
989	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	7.9	0
988	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	6	2
987	Projection of apparent temperature using statistical downscaling approach in the Pearl River Delta. <i>Theoretical and Applied Climatology</i> , 2021 , 144, 1253-1266	3	1
986	Development of a factorial water policy simulation approach from production and consumption perspectives. <i>Water Research</i> , 2021 , 193, 116892	12.5	10
985	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	10.3	7
984	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	7.9	12
983	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	10.3	7

982	Development of clustered polynomial chaos expansion model for stochastic hydrological prediction. <i>Journal of Hydrology</i> , 2021 , 595, 126022	6	6
981	Wind Farm Location Special Optimization Based on Grid GIS and Choquet Fuzzy Integral Method in Dalian City, China. <i>Energies</i> , 2021 , 14, 2454	3.1	1
980	A C-Vine Copula-Based Quantile Regression Method for Streamflow Forecasting in Xiangxi River Basin, China. <i>Sustainability</i> , 2021 , 13, 4627	3.6	2
979	Multi-hierarchy virtual-water management—A case study of Hubei Province, China. <i>Journal of Cleaner Production</i> , 2021 , 293, 126244	10.3	3
978	Hazardous chemical accident prediction for drinking water sources in Three Gorges Reservoir. <i>Journal of Cleaner Production</i> , 2021 , 296, 126529	10.3	0
977	SMR siting for the electricity system management. <i>Journal of Cleaner Production</i> , 2021 , 297, 126621	10.3	3
976	Systematic evaluation for hydropower exploitation rationality in hydro-dominant area: A case study of Sichuan Province, China. <i>Renewable Energy</i> , 2021 , 168, 1096-1111	8.1	3
975	An inexact two-stage multi-objective waste management planning model under considerations of subsidies and uncertainties: A case study of Baotou, China. <i>Journal of Cleaner Production</i> , 2021 , 298, 126873	10.3	5
974	Economic sensitivity analysis of dual perspectives induced by energy scarcity for energy-dependent region. <i>Science of the Total Environment</i> , 2021 , 768, 144876	10.2	4
973	A chance-constrained urban agglomeration energy model for cooperative carbon emission management. <i>Energy</i> , 2021 , 223, 119885	7.9	3
972	Analyzing streamflow variation in the data-sparse mountainous regions: An integrated CCA-RF-FA framework. <i>Journal of Hydrology</i> , 2021 , 596, 126056	6	2
971	A two-stage factorial-analysis-based input-output model for virtual-water quantification and metabolic-network identification in Kyrgyzstan. <i>Journal of Cleaner Production</i> , 2021 , 301, 126960	10.3	3
970	Economic modeling of national energy, water and air pollution nexus in China under changing climate conditions. <i>Renewable Energy</i> , 2021 , 170, 375-386	8.1	7
969	A fractional multi-stage simulation-optimization energy model for carbon emission management of urban agglomeration. <i>Science of the Total Environment</i> , 2021 , 774, 144963	10.2	4
968	Impacts of climate variations on non-stationarity of streamflow over Canada. <i>Environmental Research</i> , 2021 , 197, 111118	7.9	2
967	A multi-scenario factorial analysis and multi-regional input-output model for analyzing CO2 emission reduction path in Jing-Jin-Ji region. <i>Journal of Cleaner Production</i> , 2021 , 300, 126782	10.3	11
966	Assessment of regional greenhouse gas emissions from spring wheat cropping system: A case study of Saskatchewan in Canada. <i>Journal of Cleaner Production</i> , 2021 , 301, 126917	10.3	3
965	Trophic transfer potential of nTiO, nZnO, and triclosan in an algae-algae eating fish food chain. <i>Aquatic Toxicology</i> , 2021 , 235, 105824	5.1	7

964	Optimal design and sensitivity analysis of the stand-alone hybrid energy system with PV and biomass-CHP for remote villages. <i>Energy</i> , 2021 , 225, 120323	7.9	16
963	Development of enthalpy-based climate indicators for characterizing building cooling and heating energy demand under climate change. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 143, 110799	16.2	0
962	Multi-level factorial analysis for ensemble data-driven hydrological prediction. <i>Advances in Water Resources</i> , 2021 , 153, 103948	4.7	4
961	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	10.3	7
960	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	6	3
959	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	3.6	0
958	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	7.9	11
957	Removal of arsenic from water through ceramic filter modified by nano-CeO: A cost-effective approach for remote areas. <i>Science of the Total Environment</i> , 2021 , 750, 141510	10.2	11
956	Exploration of nanocellulose washing agent for the green remediation of phenanthrene-contaminated soil. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123861	12.8	10
955	Inter-regional cluster analysis of heavy-metal emissions. <i>Journal of Cleaner Production</i> , 2021 , 282, 124439	10.3	4
954	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	12.5	22
953	Review of aquatic toxicity of pharmaceuticals and personal care products to algae. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124619	12.8	18
952	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	11.9	9
951	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	10.3	3
950	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	10.2	11
949	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	16.2	7
948	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	10.2	21
947	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	2.6	7

946	Vine Copula Ensemble Downscaling for Precipitation Projection Over the Loess Plateau Based on High-Resolution Multi-RCM Outputs. <i>Water Resources Research</i> , 2021 , 57,	5.4	4
945	Comprehensive evaluation of adsorption performances of carbonaceous materials for sulfonamide antibiotics removal. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 2400-2414	5.1	6
944	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	7.1	1
943	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	7.2	1
942	Probabilistic assessment of crop yield loss to drought time-scales in Xinjiang, China. <i>International Journal of Climatology</i> , 2021 , 41, 4077-4094	3.5	4
941	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	3.5	1
940	Ensemble projection of city-level temperature extremes with stepwise cluster analysis. <i>Climate Dynamics</i> , 2021 , 56, 3313-3335	4.2	2
939	A factorial emission-focused general equilibrium model for investigating composite effects of multiple environmental policies. <i>Water Research</i> , 2021 , 201, 117336	12.5	1
938	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	7.9	1
937	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	5.6	2
936	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	3.6	
935	Stochastic Rainwater Harvesting System Modeling Under Random Rainfall Features and Variable Water Demands. <i>Water Resources Research</i> , 2021 , 57, e2021WR029731	5.4	1
934	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	10.2	2
933	Multi-regional industrial wastewater metabolism analysis for the Yangtze River Economic Belt, China. <i>Environmental Pollution</i> , 2021 , 284, 117118	9.3	2
932	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	16.2	3
931	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	7.9	10
930	Long-Term Projection of Water Cycle Changes over China Using RegCM. <i>Remote Sensing</i> , 2021 , 13, 3832	5	2
929	Editorial Overview: Emissions of Microplastics and Their Control in the Environment. <i>Journal of Environmental Engineering, ASCE</i> , 2021 , 147, 01821002	2	3

928	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	3.9	5
927	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	10.3	11
926	A review on graphitic carbon nitride (g-CN) based hybrid membranes for water and wastewater treatment. <i>Science of the Total Environment</i> , 2021 , 792, 148462	10.2	14
925	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	10.3	6
924	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	10.3	
923	Identifying optimal virtual water management strategy for Kazakhstan: A factorial ecologically-extended input-output model. <i>Journal of Environmental Management</i> , 2021 , 297, 113303	7.9	2
922	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	10.2	1
921	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	16.2	2
920	A multi-sectoral decomposition and decoupling analysis of carbon emissions in Guangdong province, China. <i>Journal of Environmental Management</i> , 2021 , 298, 113485	7.9	13
919	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	3.9	0
918	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	2.3	4
917	Will the Chemical Contaminants in Agricultural Soil Affect the Ecotoxicity of Microplastics?. <i>ACS Agricultural Science and Technology</i> , 2021 , 1, 3-4		5
916	Planning electric power system under carbon-price mechanism considering multiple uncertainties - A case study of Tianjin. <i>Journal of Environmental Management</i> , 2020 , 269, 110721	7.9	6
915	Two-pathway perspective for heavy metal emission mitigation: A case study of Guangdong Province, China. <i>Science of the Total Environment</i> , 2020 , 735, 139583	10.2	8
914	Temporal and Spatial Characteristics of Multidimensional Extreme Precipitation Indicators: A Case Study in the Loess Plateau, China. <i>Water (Switzerland)</i> , 2020 , 12, 1217	3	
913	Revealing environmental inequalities embedded within regional trades. <i>Journal of Cleaner Production</i> , 2020 , 264, 121719	10.3	7
912	Functional PVDF ultrafiltration membrane for Tetrabromobisphenol-A (TBBPA) removal with high water recovery. <i>Water Research</i> , 2020 , 181, 115952	12.5	13
911	The development of inexact dual-objective programming for regional energy systems planning in Guang-Fo-Zhao region, China. <i>Journal of Cleaner Production</i> , 2020 , 265, 121351	10.3	5

910	Exploring the biophysicochemical alteration of green alga <i>Asterococcus superbis</i> interactively affected by nanoparticles, triclosan and illumination. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122855	12.8	7
909	Energy-water nexus planning of regional electric power system within an inexact optimization model in Tangshan City, China. <i>Journal of Cleaner Production</i> , 2020 , 266, 121997	10.3	11
908	How to balance ecosystem services and economic benefits? - A case study in the Pearl River Delta, China. <i>Journal of Environmental Management</i> , 2020 , 271, 110917	7.9	14
907	Application of fiducial method for streamflow prediction under small sample cases in Xiangxihe watershed, China. <i>Journal of Hydrology</i> , 2020 , 586, 124866	6	6
906	Multi-dimensional diagnosis model for the sustainable development of regions facing water scarcity problem: A case study for Guangdong, China. <i>Science of the Total Environment</i> , 2020 , 734, 139394	10.2	9
905	Multi-Indicator Evaluation for Extreme Precipitation Events in the Past 60 Years over the Loess Plateau. <i>Water (Switzerland)</i> , 2020 , 12, 193	3	3
904	Effects of Y on the Deformation Mechanisms of Extruded Mg-Y Sheets During Room-Temperature Compression. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020 , 51, 2738-2751	2.3	11
903	Total phosphorus accident pollution and emergency response study based on geographic information system in Three Gorges Reservoir area. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	2
902	Surface temperature variations and their relationships with land cover in the Pearl River Delta. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 37614-37625	5.1	6
901	A factorial Bayesian copula framework for partitioning uncertainties in multivariate risk inference. <i>Environmental Research</i> , 2020 , 183, 109215	7.9	9
900	Synergetic optimization management of crop-biomass coproduction with food-energy-water nexus under uncertainties. <i>Journal of Cleaner Production</i> , 2020 , 258, 120645	10.3	16
899	Evaluating the added values of regional climate modeling over China at different resolutions. <i>Science of the Total Environment</i> , 2020 , 718, 137350	10.2	9
898	A bi-level chance-constrained programming method for quantifying the effectiveness of water-trading to water-food-ecology nexus in Amu Darya River basin of Central Asia. <i>Environmental Research</i> , 2020 , 183, 109229	7.9	19
897	Planning energy-water nexus systems based on a dual risk aversion optimization method under multiple uncertainties. <i>Journal of Cleaner Production</i> , 2020 , 255, 120100	10.3	12
896	Multi-stage stochastic fuzzy random programming for food-water-energy nexus management under uncertainties. <i>Resources, Conservation and Recycling</i> , 2020 , 155, 104665	11.9	19
895	A copula-based fuzzy interval-random programming approach for planning water-energy nexus system under uncertainty. <i>Energy</i> , 2020 , 196, 117063	7.9	21
894	Projections of daily mean surface temperature over the Beijing-Tianjin-Hebei region through a stepwise cluster downscaling method. <i>Theoretical and Applied Climatology</i> , 2020 , 141, 71-86	3	1
893	Quantifying the impact of water availability on China's energy system under uncertainties: A perceptive of energy-water nexus. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 134, 110321	16.2	5

892	Low-cost microbiological purification using a new ceramic disk filter functionalized by chitosan/TiO ₂ nanocomposites. <i>Separation and Purification Technology</i> , 2020 , 248, 116984	8.3	11
891	Inter-regional carbon flows embodied in electricity transmission: network simulation for energy-carbon nexus. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 118, 109511	16.2	46
890	Dynamic wastewater-induced research based on input-output analysis for Guangdong Province, China. <i>Environmental Pollution</i> , 2020 , 256, 113502	9.3	18
889	A biophysiological perspective on enhanced nitrate removal from decentralized domestic sewage using gravitational-flow multi-soil-layering systems. <i>Chemosphere</i> , 2020 , 240, 124868	8.4	21
888	Planning an Energy-Water-Environment Nexus System in Coal-Dependent Regions under Uncertainties. <i>Energies</i> , 2020 , 13, 208	3.1	4
887	Immobilization of TBBPA on pyrogenic carbon subjected to natural organic matter under freeze-thawing conditions: insights into surface functionalization, coverage processes and binding affinity. <i>Environmental Science: Nano</i> , 2020 , 7, 472-485	7.1	5
886	Projected changes in wind speed and its energy potential in China using a high-resolution regional climate model. <i>Wind Energy</i> , 2020 , 23, 471-485	3.4	10
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