

Four billion people facing severe water scarcity

Science Advances

2, e1500323

DOI: [10.1126/sciadv.1500323](https://doi.org/10.1126/sciadv.1500323)

Citation Report

#	ARTICLE	IF	CITATIONS
2	The Political Economy of the Water Footprint: A Cross-National Analysis of Ecologically Unequal Exchange. Sustainability, 2016, 8, 1263.	1.6	19
3	Towards more spatially explicit assessments of virtual water flows: linking local water use and scarcity to global demand of Brazilian farming commodities. Environmental Research Letters, 2016, 11, 075003.	2.2	38
4	European Water Footprint Scenarios for 2050. Water (Switzerland), 2016, 8, 226.	1.2	20
5	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. Hydrology and Earth System Sciences, 2016, 20, 3631-3650.	1.9	289
6	Undermining Demand Management with Supply Management: Moral Hazard in Israeli Water Policies. Water (Switzerland), 2016, 8, 159.	1.2	31
7	Water Footprint and Virtual Water Trade of Brazil. Water (Switzerland), 2016, 8, 517.	1.2	45
8	Potential and Pitfalls of Frugal Innovation in the Water Sector: Insights from Tanzania to Global Value Chains. Sustainability, 2016, 8, 888.	1.6	30
9	Community Water Improvement, Household Water Insecurity, and Women's Psychological Distress: An Intervention and Control Study in Ethiopia. PLoS ONE, 2016, 11, e0153432.	1.1	83
10	'Water scarcity' affects four billion people each year. Nature, 0, , .	13.7	6
11	Challenges in water stress quantification using small unmanned aerial system (sUAS): Lessons from a growing season of almond. , 2016, , .		1
12	Imported water risk: the case of the UK. Environmental Research Letters, 2016, 11, 055002.	2.2	69
13	More Reliable Crop Water Stress Quantification Using Small Unmanned Aerial Systems (sUAS)**This work is supported in part by UC ANR Competitive Grant Award No. 13-2628 (2014-2019) entitled Evaluating and extending the use of small, multi-rotor unmanned aerial vehicles (UAVs) as a crop monitoring tool. IFAC-PapersOnLine, 2016, 49, 409-414.	0.5	21
14	The all-inclusive sustainable development goals: the WASH professional's guide (or should that be) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50 0,7 3		
15	Urban food consumption and associated water resources: The example of Dutch cities. Science of the Total Environment, 2016, 565, 232-239.	3.9	64
16	Uncertainty and Sensitivity in Surface Dynamics Modeling. Computers and Geosciences, 2016, 90, 1-5.	2.0	2
17	Future freshwater stress for island populations. Nature Climate Change, 2016, 6, 720-725.	8.1	49
18	EARNPIPE: A Testbed for Smart Water Pipeline Monitoring Using Wireless Sensor Network. Procedia Computer Science, 2016, 96, 285-294.	1.2	59
19	Advanced Cellulosic Materials for Treatment and Detection of Industrial Contaminants in Wastewater. ChemistrySelect, 2016, 1, 4472-4488.	0.7	7

#	ARTICLE	IF	CITATIONS
20	Energy efficiency of batch and semi-batch (CCRO) reverse osmosis desalination. <i>Water Research</i> , 2016, 106, 272-282.	5.3	136
21	Emerging investigators series: using an analytical solution approach to permit high volume groundwater withdrawals. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 942-952.	1.2	1
22	Water consumption related to different diets in Mediterranean cities. <i>Science of the Total Environment</i> , 2016, 573, 96-105.	3.9	71
23	Graphene oxide-based efficient and scalable solar desalination under one sun with a confined 2D water path. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13953-13958.	3.3	971
24	Porous MnO ₂ -Covered Electrospun Carbon Nanofiber for Capacitive Deionization. <i>Journal of the Electrochemical Society</i> , 2016, 163, A2515-A2523.	1.3	31
25	Impact of agricultural expansion on water footprint in the Amazon under climate change scenarios. <i>Science of the Total Environment</i> , 2016, 569-570, 1159-1173.	3.9	35
26	Water Allocation in Transboundary River Basins under Water Scarcity: a Cooperative Bargaining Approach. <i>Water Resources Management</i> , 2016, 30, 4451-4466.	1.9	80
27	Water footprinting and mining: Where are the limitations and opportunities?. <i>Journal of Cleaner Production</i> , 2016, 135, 1098-1116.	4.6	128
28	Deconstructing Demand: The Anthropogenic and Climatic Drivers of Urban Water Consumption. <i>Environmental Science & Technology</i> , 2016, 50, 12557-12566.	4.6	17
29	(Virtual) Water Flows Uphill toward Money. <i>Environmental Science & Technology</i> , 2016, 50, 12320-12330.	4.6	34
30	Consumptive water footprint and virtual water trade scenarios for China – With a focus on crop production, consumption and trade. <i>Environment International</i> , 2016, 94, 211-223.	4.8	86
31	Bumps lead the way. <i>Nature Materials</i> , 2016, 15, 378-379.	13.3	2
32	The effect of inter-annual variability of consumption, production, trade and climate on crop-related green and blue water footprints and inter-regional virtual water trade: A study for China (1978–2008). <i>Water Research</i> , 2016, 94, 73-85.	5.3	162
33	Economic Water Productivities Along the Dairy Value Chain in South Africa: Implications for Sustainable and Economically Efficient Water-use Policies in the Dairy Industry. <i>Ecological Economics</i> , 2017, 134, 22-28.	2.9	23
34	Rice yields and water use under alternate wetting and drying irrigation: A meta-analysis. <i>Field Crops Research</i> , 2017, 203, 173-180.	2.3	437
35	Growing into Water Conservation? Decomposing the Drivers of Reduced Water Consumption in Las Vegas, NV. <i>Ecological Economics</i> , 2017, 133, 99-110.	2.9	34
36	Human factors were dominant drivers of record low streamflow to a surface water irrigation district in the US southern Great Plains. <i>Agricultural Water Management</i> , 2017, 185, 93-104.	2.4	13
37	Thomas Malthus, Ester Boserup, and Agricultural Development Models in the Age of Limits. <i>Journal of Agricultural and Environmental Ethics</i> , 2017, 30, 87-98.	0.9	7

#	ARTICLE	IF	CITATIONS
38	Sustainability of water resources for agriculture considering grain production, trade and consumption in China from 2004 to 2013. <i>Journal of Cleaner Production</i> , 2017, 149, 1210-1218.	4.6	72
39	Water, land and carbon footprints of sheep and chicken meat produced in Tunisia under different farming systems. <i>Ecological Indicators</i> , 2017, 77, 304-313.	2.6	55
40	Trees, forests and water: Cool insights for a hot world. <i>Global Environmental Change</i> , 2017, 43, 51-61.	3.6	660
41	Theoretical evaluation of electrochemical cell architectures using cation intercalation electrodes for desalination. <i>Electrochimica Acta</i> , 2017, 230, 333-341.	2.6	87
42	Water harvesting from air with metal-organic frameworks powered by natural sunlight. <i>Science</i> , 2017, 356, 430-434.	6.0	1,179
43	Freshwater use in livestock production—To be used for food crops or livestock feed?. <i>Agricultural Systems</i> , 2017, 155, 1-8.	3.2	18
44	Ensemble Streamflow Forecasting across the U.S. Mid-Atlantic Region with a Distributed Hydrological Model Forced by GEFS Reforecasts. <i>Journal of Hydrometeorology</i> , 2017, 18, 1905-1928.	0.7	35
45	Water Footprint Assessment: Evolvement of a New Research Field. <i>Water Resources Management</i> , 2017, 31, 3061-3081.	1.9	202
46	The measurement of water scarcity: Defining a meaningful indicator. <i>Ambio</i> , 2017, 46, 513-531.	2.8	178
47	A strategic framework for sustainable water resource management in small island nations: the case of Barbados. <i>Water Policy</i> , 2017, 19, 601-619.	0.7	2
48	Food consumption and related water resources in Nordic cities. <i>Ecological Indicators</i> , 2017, 74, 119-129.	2.6	46
49	Challenges in Water Stress Quantification Using Small Unmanned Aerial System (sUAS): Lessons from a Growing Season of Almond. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017, 88, 721-735.	2.0	35
50	Enhanced capacitive deionization desalination provided by chemical activation of sugar cane bagasse fly ash electrodes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 126, 143-153.	2.6	42
51	Water scarcity hotspots travel downstream due to human interventions in the 20th and 21st century. <i>Nature Communications</i> , 2017, 8, 15697.	5.8	287
52	Nanophotonics-enabled solar membrane distillation for off-grid water purification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6936-6941.	3.3	348
53	Influence of internal variability on population exposure to hydroclimatic changes. <i>Environmental Research Letters</i> , 2017, 12, 044007.	2.2	22
54	Shifting Pacific storm tracks as stressors to ecosystems of western North America. <i>Global Change Biology</i> , 2017, 23, 4896-4906.	4.2	15
55	Moisture Farming with Metal-Organic Frameworks. <i>CheM</i> , 2017, 2, 757-759.	5.8	5

#	ARTICLE	IF	CITATIONS
56	3D soil water nowcasting using electromagnetic conductivity imaging and the ensemble Kalman filter. <i>Journal of Hydrology</i> , 2017, 549, 62-78.	2.3	10
57	Water scarcity assessments in the past, present, and future. <i>Earth's Future</i> , 2017, 5, 545-559.	2.4	545
58	Groundwater depletion embedded in international food trade. <i>Nature</i> , 2017, 543, 700-704.	13.7	612
59	Responding to the "Wicked Problem"™ of Water Insecurity. <i>Water Resources Management</i> , 2017, 31, 3023-3041.	1.9	34
60	Patterned Polymer Coatings Increase the Efficiency of Dew Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13676-13684.	4.0	67
61	The compartment bag test (CBT) for enumerating fecal indicator bacteria: Basis for design and interpretation of results. <i>Science of the Total Environment</i> , 2017, 587-588, 102-107.	3.9	11
62	Assessment of fresh water security in coastal Bangladesh: An insight from salinity, community perception and adaptation. <i>Ocean and Coastal Management</i> , 2017, 137, 68-81.	2.0	70
63	Improving governance in transboundary cooperation in water and climate change adaptation. <i>Water Policy</i> , 2017, 19, 1014-1029.	0.7	12
64	Is there a relationship between water scarcity and water use efficiency in China? A national decadal assessment across spatial scales. <i>Land Use Policy</i> , 2017, 69, 502-511.	2.5	47
65	A Global Assessment of Runoff Sensitivity to Changes in Precipitation, Potential Evaporation, and Other Factors. <i>Water Resources Research</i> , 2017, 53, 8475-8486.	1.7	125
66	The environmental cost of a reference withdrawal from surface waters: Definition and geography. <i>Advances in Water Resources</i> , 2017, 110, 228-237.	1.7	10
67	Enhanced water permeability and tunable ion selectivity in subnanometer carbon nanotube porins. <i>Science</i> , 2017, 357, 792-796.	6.0	566
68	THE ROAD IS MADE BY WALKING: AN INTRODUCTION. <i>Zygon</i> , 2017, 52, 764-776.	0.2	2
69	High-absorption recyclable photothermal membranes used in a bionic system for high-efficiency solar desalination via enhanced localized heating. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20044-20052.	5.2	108
70	A simple way to achieve bioinspired hybrid wettability surface with micro/nanopatterns for efficient fog collection. <i>Nanoscale</i> , 2017, 9, 14620-14626.	2.8	259
71	Efficient steam generation by inexpensive narrow gap evaporation device for solar applications. <i>Scientific Reports</i> , 2017, 7, 11970.	1.6	40
72	Characterizing the Impacts of Deposition Techniques on the Performance of MnO ₂ Cathodes for Sodium Electrosorption in Hybrid Capacitive Deionization. <i>Environmental Science & Technology</i> , 2017, 51, 12027-12034.	4.6	72
73	Graphene oxide-based evaporator with one-dimensional water transport enabling high-efficiency solar desalination. <i>Nano Energy</i> , 2017, 41, 201-209.	8.2	316

#	ARTICLE	IF	CITATIONS
74	The water challenges: alternative paths to trigger large-scale behavioural shifts. <i>Lancet Planetary Health</i> , The, 2017, 1, e46-e47.	5.1	4
75	Interbasin water transfer for the rehabilitation of a transboundary Mediterranean stream: An economic analysis. <i>Journal of Environmental Management</i> , 2017, 202, 276-286.	3.8	17
76	Membrane-based zero liquid discharge: Myth or reality?. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 192-202.	2.7	95
77	Life cycle assessment (LCA) of urban water infrastructure: emerging approaches to balance objectives and inform comprehensive decision-making. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 1002-1014.	1.2	47
78	Freshwater Vulnerability beyond Local Water Stress: Heterogeneous Effects of Water-Electricity Nexus Across the Continental United States. <i>Environmental Science & Technology</i> , 2017, 51, 9899-9910.	4.6	38
79	Trends in biomarkers, biotic indices, and fish population size revealed contrasting long-term effects of recycled water on the ecological status of a Mediterranean river. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 340-348.	2.9	9
80	Evaluation of water footprint and economic water productivities of dairy products of South Africa. <i>Ecological Indicators</i> , 2017, 83, 32-40.	2.6	39
82	Problematic Quantifications: a Critical Appraisal of Scenario Making for a Global "Sustainable" Food Production. <i>Food Ethics</i> , 2017, 1, 173-179.	1.2	11
83	Energy Reduction Effect of the South-to-North Water Diversion Project in China. <i>Scientific Reports</i> , 2017, 7, 15956.	1.6	48
84	A large-scale water-harvesting device with $\text{Al}(\text{OH})_3$ microcone arrays by simple hydrothermal synthesis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25328-25337.	5.2	31
85	Removal of refractory organics from saline concentrate produced by electrodialysis in petroleum industry using bone char. <i>Adsorption</i> , 2017, 23, 983-997.	1.4	16
86	Water in Central Asia: an integrated assessment for science-based management. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	57
87	Functional patterned coatings by thin polymer film dewetting. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 453-469.	5.0	26
88	INCOSE academic research forum "Future systems engineering research directions." , 2017, .		0
89	Four dimensions of water security with a case of the indirect role of water in global food security. <i>Water Security</i> , 2017, 1, 36-45.	1.2	45
90	Modeling Suburban Phosphorus Runoff and BMPs: Downscaling from Watershed Systems to Site-Specific Scales. <i>Journal of Sustainable Water in the Built Environment</i> , 2017, 3, .	0.9	1
91	Are we in deep water? Water scarcity and its limits to economic growth. <i>Ecological Economics</i> , 2017, 142, 130-147.	2.9	178
92	Mortality awareness and water decisions: a social psychological analysis of supply-management, demand-management and soft-path paradigms. <i>Water International</i> , 2017, 42, 1-17.	0.4	23

#	ARTICLE	IF	CITATIONS
94	A comprehensive analysis of blue water scarcity from the production, consumption, and water transfer perspectives. <i>Ecological Indicators</i> , 2017, 72, 870-880.	2.6	60
95	Cellulose nanofiber intermediary to fabricate highly-permeable ultrathin nanofiltration membranes for fast water purification. <i>Journal of Membrane Science</i> , 2017, 524, 174-185.	4.1	113
96	Urban consumption of meat and milk and its green and blue water footprintsâ€”Patterns in the 1980s and 2000s for Nairobi, Kenya. <i>Science of the Total Environment</i> , 2017, 579, 786-796.	3.9	31
97	Evaluating the electricity intensity of evolving water supply mixes: the case of Californiaâ€™s water network. <i>Environmental Research Letters</i> , 2017, 12, 114005.	2.2	31
98	Water and Land Footprints and Economic Productivity as Factors in Local Crop Choice: The Case of Silk in Malawi. <i>Water (Switzerland)</i> , 2017, 9, 802.	1.2	15
99	The business case for soil. <i>Nature</i> , 2017, 543, 309-311.	13.7	41
100	Marginal cost curves for water footprint reduction in irrigated agriculture: guiding a cost-effective reduction of crop water consumption to a permit or benchmark level. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3507-3524.	1.9	32
101	Potential Impact on Freshwater Resources from Agrofuel Feedstock Cultivation in Thailand: Implications of the Alternative Energy Development Plan 2015. <i>Water (Switzerland)</i> , 2017, 9, 919.	1.2	6
102	Surviving a Dry Future: Abscisic Acid (ABA)-Mediated Plant Mechanisms for Conserving Water under Low Humidity. <i>Plants</i> , 2017, 6, 54.	1.6	28
103	A Self-Calibrating Runoff and Streamflow Remote Sensing Model for Ungauged Basins Using Open-Access Earth Observation Data. <i>Remote Sensing</i> , 2017, 9, 86.	1.8	30
104	Decomposition of the Urban Water Footprint of Food Consumption: A Case Study of Xiamen City. <i>Sustainability</i> , 2017, 9, 135.	1.6	23
105	Responsible Innovation: A Complementary View from Industry with Proposals for Bridging Different Perspectives. <i>Sustainability</i> , 2017, 9, 1719.	1.6	48
106	Valuation of Hidden Water Ecosystem Services: The Replacement Cost of the Aquifer System in Central Mexico. <i>Water (Switzerland)</i> , 2017, 9, 571.	1.2	17
107	Forecasting of Industrial Water Demand Using Case-Based Reasoningâ€”A Case Study in Zhangye City, China. <i>Water (Switzerland)</i> , 2017, 9, 626.	1.2	9
108	The Free-Swimming Device Leakage Detection in Plastic Water-filled Pipes through Tuning the Wavelet Transform to the Underwater Acoustic Signals. <i>Water (Switzerland)</i> , 2017, 9, 731.	1.2	9
109	<i>Water Pollution Control Technologies.</i> , 2017, , 3-22.		9
110	<i>Water Footprint: State of the Art: What, Why, and How?.</i> , 2017, , 153-163.		4
111	<i>Mechanisms to Allocate Environmental Water.</i> , 2017, , 361-398.		20

#	ARTICLE	IF	CITATIONS
112	Controlling Bacterial Pathogens in Water for Reuse: Treatment Technologies for Water Recirculation in the Blue Diversion Autarky Toilet. <i>Frontiers in Environmental Science</i> , 2017, 5, 90.	1.5	18
113	Impacts of forest restoration on water yield: A systematic review. <i>PLoS ONE</i> , 2017, 12, e0183210.	1.1	230
114	Killing of diverse eye pathogens (<i>Acanthamoeba</i> spp., <i>Fusarium solani</i> , and <i>Chlamydia trachomatis</i>) with alcohols. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005382.	1.3	11
115	BOARD-INVITED REVIEW: Quantifying water use in ruminant production ¹ . <i>Journal of Animal Science</i> , 2017, 95, 2001-2018.	0.2	3
116	Water Savings of Crop Redistribution in the United States. <i>Water (Switzerland)</i> , 2017, 9, 83.	1.2	35
117	Black titania/graphene oxide nanocomposite films with excellent photothermal property for solar steam generation. <i>Journal of Materials Research</i> , 2018, 33, 674-684.	1.2	65
118	Effective reduction of water molecules' interaction for efficient water evaporation in desalination. <i>Desalination</i> , 2018, 436, 91-97.	4.0	31
119	Relating transport modeling to nanofiltration membrane fabrication: Navigating the permeability-selectivity trade-off in desalination pretreatment. <i>Journal of Membrane Science</i> , 2018, 554, 26-38.	4.1	52
120	The impact of global dietary guidelines on climate change. <i>Global Environmental Change</i> , 2018, 49, 46-55.	3.6	103
121	Groundwater as a strategic resource for improved resilience: a case study from peri-urban Accra. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	39
122	The Global Foodâ€Energyâ€Water Nexus. <i>Reviews of Geophysics</i> , 2018, 56, 456-531.	9.0	446
123	High Rate Production of Clean Water Based on the Combined Photoâ€Electroâ€Thermal Effect of Graphene Architecture. <i>Advanced Materials</i> , 2018, 30, e1706805.	11.1	214
124	Radionuclide geochemistry of groundwater in the Eastern Desert, Egypt. <i>Applied Geochemistry</i> , 2018, 93, 69-80.	1.4	17
125	Food processing industry energy and water consumption in the Pacific northwest. <i>Innovative Food Science and Emerging Technologies</i> , 2018, 47, 371-383.	2.7	81
126	Environmental evaluation of high-value agricultural produce with diverse water sources: case study from Southern California. <i>Environmental Research Letters</i> , 2018, 13, 025007.	2.2	22
127	The Waterâ€Energy Nexus of Hydraulic Fracturing: A Global Hydrologic Analysis for Shale Oil and Gas Extraction. <i>Earth's Future</i> , 2018, 6, 745-756.	2.4	61
128	Water Use Efficiency in Rice Production: Implications for Climate Change Adaptation in the Vietnamese Mekong Delta. <i>Process Integration and Optimization for Sustainability</i> , 2018, 2, 221-238.	1.4	5
129	Comparing the performance of the DNDC, Holos, and VSMB models for predicting the water partitioning of various crops and sites across Canada. <i>Canadian Journal of Soil Science</i> , 2018, 98, 212-231.	0.5	11

#	ARTICLE	IF	CITATIONS
130	Integrating the social, hydrological and ecological dimensions of freshwater health: The Freshwater Health Index. <i>Science of the Total Environment</i> , 2018, 627, 304-313.	3.9	96
131	Phosphorus induced crystallinity in carbon dots for solar light assisted seawater desalination. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4111-4118.	5.2	53
132	Flexible and Salt Resistant Janus Absorbers by Electrospinning for Stable and Efficient Solar Desalination. <i>Advanced Energy Materials</i> , 2018, 8, 1702884.	10.2	635
133	Socio-Environmental Effects of Large-Scale Land Acquisition in Mozambique. <i>Research for Development</i> , 2018, , 377-389.	0.2	44
134	Mapping Monthly Water Scarcity in Global Transboundary Basins at Country-Basin Mesh Based Spatial Resolution. <i>Scientific Reports</i> , 2018, 8, 2144.	1.6	59
135	Healthy and sustainable diets for future generations. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 3219-3224.	1.7	19
136	Soil Moisture-€Temperature Coupling in a Set of Land Surface Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1481-1498.	1.2	51
137	Tunnel structured manganese oxide nanowires as redox active electrodes for hybrid capacitive deionization. <i>Nano Energy</i> , 2018, 44, 476-488.	8.2	145
138	Future Systems Engineering Research Directions. , 2018, , 1165-1179.		4
139	A comparative study of a full value-chain water footprint assessment using two international standards at a large-scale hog farm in China. <i>Journal of Cleaner Production</i> , 2018, 176, 557-565.	4.6	15
140	Biodigester Technology for Effective and Ecofriendly Decomposition of Nightsoil. <i>Energy, Environment, and Sustainability</i> , 2018, , 361-381.	0.6	2
142	Virtual water flows and water-footprint of agricultural crop production, import and export: A case study for Israel. <i>Science of the Total Environment</i> , 2018, 622-623, 1438-1447.	3.9	50
143	Beyond NEWater: An insight into Singapore's water reuse prospects. <i>Current Opinion in Environmental Science and Health</i> , 2018, 2, 26-31.	2.1	61
144	Forests, atmospheric water and an uncertain future: the new biology of the global water cycle. <i>Forest Ecosystems</i> , 2018, 5, .	1.3	99
145	Irrigation methods affect water productivity, grain yield, and growth responses of rice at different levels of nitrogen. <i>Journal of Soils and Water Conservation</i> , 2018, 73, 329-336.	0.8	6
146	Everything flows-€ unevenly: social stratification in coupled socio-ecological systems. <i>Current Opinion in Environmental Sustainability</i> , 2018, 33, 51-57.	3.1	13
147	Increasing water productivity, nitrogen economy, and grain yield of rice by water saving irrigation and fertilizer-N management. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16601-16615.	2.7	27
148	Super Absorbent Polymer and Irrigation Regime Effects on Growth and Water Use Efficiency of Container-Grown Cherry Tomatoes. <i>Transactions of the ASABE</i> , 2018, 61, 523-531.	1.1	19

#	ARTICLE	IF	CITATIONS
149	Life cycle cost analysis of structural concrete using seawater, recycled concrete aggregate, and GFRP reinforcement. <i>Construction and Building Materials</i> , 2018, 175, 152-160.	3.2	93
150	Biomimetic scale-resistant polymer nanocomposites: towards universal additive-free scale inhibition. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10189-10195.	5.2	11
151	Harvesting Water from Air: Using Anhydrous Salt with Sunlight. <i>Environmental Science & Technology</i> , 2018, 52, 5398-5406.	4.6	145
152	Safe Use of Wastewater in Agriculture: The Golden Example of Nexus Approach. , 2018, , 1-11.		1
153	The Opportunity Versus Risks in Wastewater Irrigation. , 2018, , 13-25.		2
154	Water scarcity and livelihoods in Bihar and West Bengal, India. <i>Oxford Development Studies</i> , 2018, 46, 497-518.	0.9	9
155	Fog Harvesting with Harps. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11979-11986.	4.0	146
156	Adsorption-based atmospheric water harvesting device for arid climates. <i>Nature Communications</i> , 2018, 9, 1191.	5.8	401
157	Urban water security indicators: Development and pilot. <i>Environmental Science and Policy</i> , 2018, 83, 33-45.	2.4	128
158	Environmental Changes in Central and East Asian Drylands and their Effects on Major River-Lake Systems. <i>Quaternary International</i> , 2018, 475, 91-100.	0.7	37
159	Drought adaptation and development: small-scale irrigated agriculture in northeast Brazil. <i>Climate and Development</i> , 2018, 10, 337-346.	2.2	16
160	Fixed-bed study for bone char adsorptive removal of refractory organics from electro dialysis concentrate produced by petroleum refinery. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1544-1556.	1.2	19
161	Flow velocityâ€“ecology thresholds in Canadian rivers: A comparison of trait and taxonomyâ€“based approaches. <i>Freshwater Biology</i> , 2018, 63, 891-905.	1.2	21
162	Dopamine crosslinked graphene oxide membrane for simultaneous removal of organic pollutants and trace heavy metals from aqueous solution. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 3055-3065.	1.2	36
163	Physical water scarcity metrics for monitoring progress towards SDG target 6.4: An evaluation of indicator 6.4.2 â€œLevel of water stressâ€œ. <i>Science of the Total Environment</i> , 2018, 613-614, 218-232.	3.9	223
164	Recent progress in the use of renewable energy sources to power water desalination plants. <i>Desalination</i> , 2018, 435, 97-113.	4.0	433
165	Poverty as Functioning Deprivation: Global Estimates. <i>Social Indicators Research</i> , 2018, 140, 1077-1108.	1.4	3
166	Virtual Water Scarcity Risk to the Global Trade System. <i>Environmental Science & Technology</i> , 2018, 52, 673-683.	4.6	86

#	ARTICLE	IF	CITATIONS
167	The blue and grey water footprint of construction materials: Steel, cement and glass. <i>Water Resources and Industry</i> , 2018, 19, 1-12.	1.9	74
168	Wood-Based Nanotechnologies toward Sustainability. <i>Advanced Materials</i> , 2018, 30, 1703453.	11.1	359
169	Exergoeconomic evaluation of a CSP plant in combination with a desalination unit. <i>Renewable Energy</i> , 2018, 128, 586-602.	4.3	47
170	Real-Time Root Monitoring of Hydroponic Crop Plants: Proof of Concept for a New Image Analysis System. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 313-323.	0.3	0
171	Optimal allocation of physical water resources integrated with virtual water trade in water scarce regions: A case study for Beijing, China. <i>Water Research</i> , 2018, 129, 264-276.	5.3	116
172	Understanding and managing the food-energy-water nexus – opportunities for water resources research. <i>Advances in Water Resources</i> , 2018, 111, 259-273.	1.7	218
173	Freshwater production from the motion of ocean waves – A review. <i>Desalination</i> , 2018, 435, 161-171.	4.0	63
174	Considering Resources Beyond Water: Irrigation and Drainage Management in the Context of the Water-Energy-Food Nexus. <i>Irrigation and Drainage</i> , 2018, 67, 12-21.	0.8	19
175	A New Mobile and Hybrid Desalination Unit with Solar Energy and Enhanced Reverse Osmosis. , 2018, , .		0
176	Framing Smart Meter Feedback in Relation to Practice Theory. <i>Sustainability</i> , 2018, 10, 3553.	1.6	16
177	Energy and Population in Sub-Saharan Africa: Energy for Four Billion?. <i>Environments - MDPI</i> , 2018, 5, 107.	1.5	11
178	Application of a novel Mass Bio System to remove low-concentration ammonia nitrogen from water bodies. <i>RSC Advances</i> , 2018, 8, 42429-42437.	1.7	3
179	A plasmonic interfacial evaporator for high-efficiency solar vapor generation. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2762-2769.	2.5	53
180	Replacing Imports of Crop Based Commodities by Domestic Production in Finland: Potential to Reduce Virtual Water Imports. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	12
181	Environmental Impacts of Cooling Tower Operations – The Influence of Regional Conditions on Energy and Water Demands. <i>Procedia CIRP</i> , 2018, 69, 277-282.	1.0	12
182	A novel household water insecurity scale: Procedures and psychometric analysis among postpartum women in western Kenya. <i>PLoS ONE</i> , 2018, 13, e0198591.	1.1	49
184	Fullerene-Tailored Graphene Oxide Interlayer Spacing for Energy-Efficient Water Desalination. <i>ACS Applied Nano Materials</i> , 2018, 1, 6168-6175.	2.4	23
185	Engineered Slippery Surface to Mitigate Gypsum Scaling in Membrane Distillation for Treatment of Hypersaline Industrial Wastewaters. <i>Environmental Science & Technology</i> , 2018, 52, 14362-14370.	4.6	148

#	ARTICLE	IF	CITATIONS
186	Physical and virtual water transfers and the impacts on regional ecosystem quality and resources. MATEC Web of Conferences, 2018, 246, 01070.	0.1	0
187	The impact of climate change policy on the risk of water stress in southern and eastern Asia. Environmental Research Letters, 2018, 13, 064039.	2.2	12
188	Passive solar high-yield seawater desalination by modular and low-cost distillation. Nature Sustainability, 2018, 1, 763-772.	11.5	262
189	A MINLP model to design desalinated water supply systems including solar energy as an energy source. Computer Aided Chemical Engineering, 2018, 44, 1687-1692.	0.3	2
190	Functionalized carbon nanotubes for adsorptive removal of water pollutants. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 236-237, 61-69.	1.7	14
191	The implications of rural perceptions of water scarcity on differential adaptation behaviour in Rajasthan, India. Regional Environmental Change, 2018, 18, 2417-2432.	1.4	45
192	Multidimensional Framework for Achieving Sustainable and Resilient Food Systems in Nigeria. , 2018, , 1-23.		0
193	Risco de contaminação pela presença de resíduos final de resíduos sólidos em bacias de captação superficial de água. Engenharia Sanitaria E Ambiental, 2018, 23, 871-880.	0.1	0
194	Drag Effect of Water Consumption on Urbanization – A Case Study of the Yangtze River Economic Belt from 2000 to 2015. Water (Switzerland), 2018, 10, 1115.	1.2	20
195	Payments for Watershed Services and Practices in China: Achievements and Challenges. Chinese Geographical Science, 2018, 28, 873-893.	1.2	11
196	Desert Beetle-Inspired Superhydrophilic/Superhydrophobic Patterned Cellulose Film with Efficient Water Collection and Antibacterial Performance. ACS Sustainable Chemistry and Engineering, 2018, 6, 14679-14684.	3.2	85
197	Biomass production in plantations: Land constraints increase dependency on irrigation water. GCB Bioenergy, 2018, 10, 628-644.	2.5	15
198	Fresh and hardened properties of seawater-mixed concrete. Construction and Building Materials, 2018, 190, 276-286.	3.2	190
199	Progress and Expectation of Atmospheric Water Harvesting. Joule, 2018, 2, 1452-1475.	11.7	424
200	Storage and Recycling of Interfacial Solar Steam Enthalpy. Joule, 2018, 2, 2477-2484.	11.7	205
201	Governing Non-Potable Water-Reuse to Alleviate Water Stress: The Case of Sabadell, Spain. Water (Switzerland), 2018, 10, 739.	1.2	24
202	Electrochemical Desalination Using Bi/BiOCl Electrolysis Cells. ACS Sustainable Chemistry and Engineering, 2018, 6, 15455-15462.	3.2	39
203	Urban Water Security Dashboard: Systems Approach to Characterizing the Water Security of Cities. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	1.3	43

#	ARTICLE	IF	CITATIONS
204	Expected increase in staple crop imports in water-scarce countries in 2050. <i>Water Research X</i> , 2018, 1, 100001.	2.8	14
205	A contribution to harmonize water footprint assessments. <i>Global Environmental Change</i> , 2018, 53, 252-264.	3.6	12
206	A Multi-Dimensional Approach of Green Marketing Competitive Advantage: A Perspective of Small Medium and Micro Enterprises from Western Cape, South Africa. <i>Sustainability</i> , 2018, 10, 3764.	1.6	26
207	A Quantitative Investigation of the Thresholds for Two Conventional Water Scarcity Indicators Using a State-of-the-Art Global Hydrological Model With Human Activities. <i>Water Resources Research</i> , 2018, 54, 8279-8294.	1.7	34
208	The water footprint of the EU: quantification, sustainability and relevance. <i>Water International</i> , 2018, 43, 731-745.	0.4	13
209	Monetizing Environmental Footprints: Index Development and Application to a Solar-Powered Chemicals Self-Supplied Desalination Plant. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14533-14541.	3.2	11
210	The impact of water crises and climate changes on the transmission of protozoan parasites in Africa. <i>Pathogens and Global Health</i> , 2018, 112, 281-293.	1.0	47
211	China's Environment on a Metacoupled Planet. <i>Annual Review of Environment and Resources</i> , 2018, 43, 1-34.	5.6	60
212	Investigation of a floating solar desalination film. <i>Desalination</i> , 2018, 447, 43-54.	4.0	27
213	Theoretical and experimental study of organic fouling of loose nanofiltration membrane. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 509-518.	2.7	28
214	Zwitterionic Polymer Modified Porous Carbon for High-Performance and Antifouling Capacitive Desalination. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33564-33573.	4.0	27
215	Closing the yield gap while ensuring water sustainability. <i>Environmental Research Letters</i> , 2018, 13, 104002.	2.2	127
216	Tannic acid functionalized graphene hydrogel for organic dye adsorption. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 299-306.	2.9	66
217	Hybrid Hydrogel with High Water Vapor Harvesting Capacity for Deployable Solar-Driven Atmospheric Water Generator. <i>Environmental Science & Technology</i> , 2018, 52, 11367-11377.	4.6	264
218	Groundwater saving and quality improvement by reducing water footprints of crops to benchmarks levels. <i>Advances in Water Resources</i> , 2018, 121, 480-491.	1.7	17
219	A Continental-Scale Hydroeconomic Model for Integrating Water-Energy-Land Nexus Solutions. <i>Water Resources Research</i> , 2018, 54, 7511-7533.	1.7	57
220	Highly efficient solar steam generation by hybrid plasmonic structured TiN/mesoporous anodized alumina membrane. <i>Journal of Materials Research</i> , 2018, 33, 3857-3869.	1.2	19
221	Global assessment of water challenges under uncertainty in water scarcity projections. <i>Nature Sustainability</i> , 2018, 1, 486-494.	11.5	274

#	ARTICLE	IF	CITATIONS
222	The water footprint of different diets within European sub-national geographical entities. <i>Nature Sustainability</i> , 2018, 1, 518-525.	11.5	101
223	Hydrophilic and hydrophobic materials and their applications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2686-2725.	1.2	119
224	Remote land use impacts on river flows through atmospheric teleconnections. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4311-4328.	1.9	79
225	Environmental Impacts of Abdominal Imaging: A Pilot Investigation. <i>Journal of the American College of Radiology</i> , 2018, 15, 1385-1393.	0.9	41
226	Towards high throughput plasma based water purifiers: design considerations and the pathway towards practical application. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 293001.	1.3	52
227	Water desalination under one sun using graphene-based material modified PTFE membrane. <i>Desalination</i> , 2018, 442, 1-7.	4.0	113
228	Water harvesting from air with a hygroscopic salt in a hydrogel-derived matrix. <i>Communications Chemistry</i> , 2018, 1, .	2.0	153
229	Nanoparticle-templated nanofiltration membranes for ultrahigh performance desalination. <i>Nature Communications</i> , 2018, 9, 2004.	5.8	457
230	High salt capacity and high removal rate capacitive deionization enabled by hierarchical porous carbons. <i>Carbon</i> , 2018, 139, 614-625.	5.4	83
231	Highly Efficient Water Harvesting with Optimized Solar Thermal Membrane Distillation Device. <i>Global Challenges</i> , 2018, 2, 1800001.	1.8	108
232	Capability of Sentinel-2 data for estimating maximum evapotranspiration and irrigation requirements for tomato crop in Central Italy. <i>Remote Sensing of Environment</i> , 2018, 215, 452-470.	4.6	91
233	Dynamic Impacts of Climate and Land-Use Changes on Surface Runoff in the Mountainous Region of the Haihe River Basin, China. <i>Advances in Meteorology</i> , 2018, 2018, 1-10.	0.6	15
234	Permselectivity limits of biomimetic desalination membranes. <i>Science Advances</i> , 2018, 4, eaar8266.	4.7	72
235	PMRs in Photodegradation of Organic Contaminants. , 2018, , 189-208.		3
236	From aquaporin to ecosystem: Plants in the water cycle. <i>Journal of Plant Physiology</i> , 2018, 227, 1-2.	1.6	7
237	Comparison of Flooded and Furrow-Irrigated Transplanted Rice (<i>Oryza sativa</i> L.): Farm-Level Perspectives. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, .	0.6	7
238	Hierarchically textured superhydrophobic polyvinylidene fluoride membrane fabricated via nanocasting for enhanced membrane distillation performance. <i>Desalination</i> , 2018, 443, 228-236.	4.0	65
239	Socio-environmental drivers of sustainable adoption of household water treatment in developing countries. <i>Npj Clean Water</i> , 2018, 1, .	3.1	20

#	ARTICLE	IF	CITATIONS
240	Nanoporous Polymers Based on Liquid Crystals. <i>Materials</i> , 2018, 11, 104.	1.3	30
241	Water-quality impacts in semi-arid regions: can natural "green filters"™ mitigate adverse effects on fish assemblages?. <i>Water Research</i> , 2018, 144, 628-641.	5.3	9
242	Quantifying, Projecting, and Addressing India's Hidden Hunger. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	42
243	Millet for Food Security in the Context of Climate Change: A Review. <i>Sustainability</i> , 2018, 10, 2228.	1.6	84
244	The role of fog, orography, and seasonality on precipitation in a semiarid, tropical island. <i>Hydrological Processes</i> , 2018, 32, 2792-2805.	1.1	11
245	Alternate Wetting and Drying Decreases Methylmercury in Flooded Rice (<i>Oryza sativa</i>) Systems. <i>Soil Science Society of America Journal</i> , 2018, 82, 115-125.	1.2	33
246	Critical Biofilm Growth throughout Unmodified Carbon Felts Allows Continuous Bioelectrochemical Chain Elongation from CO ₂ up to Caproate at High Current Density. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	146
247	Finger Millet Growth and Nutrient Uptake Is Improved in Intercropping With Pigeon Pea Through "Biofertilization" and "Bioirrigation" Mediated by Arbuscular Mycorrhizal Fungi and Plant Growth Promoting Rhizobacteria. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	44
248	Industrial water use, income, trade, and employment: environmental Kuznets curve evidence from 17 Taiwanese manufacturing industries. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26903-26915.	2.7	7
249	Blockchain with Artificial Intelligence to Efficiently Manage Water Use under Climate Change. <i>Environments - MDPI</i> , 2018, 5, 34.	1.5	22
250	Remote Sensing and Cropping Practices: A Review. <i>Remote Sensing</i> , 2018, 10, 99.	1.8	242
251	Multilayer Perceptron Neural Network for Surface Water Extraction in Landsat 8 OLI Satellite Images. <i>Remote Sensing</i> , 2018, 10, 755.	1.8	77
252	Analysis of Blue and Green Water Consumption at the Irrigation District Scale. <i>Sustainability</i> , 2018, 10, 305.	1.6	11
253	Farmer Perceptions of Conflict Related to Water in Zambia. <i>Sustainability</i> , 2018, 10, 313.	1.6	7
254	Applying Place-Based Social-Ecological Research to Address Water Scarcity: Insights for Future Research. <i>Sustainability</i> , 2018, 10, 1516.	1.6	19
255	Bioassessment of a Drinking Water Reservoir Using Plankton: High Throughput Sequencing vs. Traditional Morphological Method. <i>Water (Switzerland)</i> , 2018, 10, 82.	1.2	19
256	A First Estimation of County-Based Green Water Availability and Its Implications for Agriculture and Bioenergy Production in the United States. <i>Water (Switzerland)</i> , 2018, 10, 148.	1.2	23
257	Evaluating Water Use for Agricultural Intensification in Southern Amazonia Using the Water Footprint Sustainability Assessment. <i>Water (Switzerland)</i> , 2018, 10, 349.	1.2	27

#	ARTICLE	IF	CITATIONS
258	Fog Water Collection: Challenges beyond Technology. <i>Water</i> (Switzerland), 2018, 10, 372.	1.2	57
259	Sustainable Urban Water Management under a Changing Climate: The Role of Spatial Planning. <i>Water</i> (Switzerland), 2018, 10, 546.	1.2	46
260	The Water-Energy-Food Nexus: Climate Risks and Opportunities in Southern Africa. <i>Water</i> (Switzerland), 2018, 10, 567.	1.2	127
261	Simulation of Urban Water Resources in Xiamen Based on a WEAP Model. <i>Water</i> (Switzerland), 2018, 10, 732.	1.2	19
262	Evaluating the Impacts of IWRM Policy Actions on Demand Satisfaction and Downstream Water Availability in the Upper Awash Basin, Ethiopia. <i>Water</i> (Switzerland), 2018, 10, 892.	1.2	24
263	Charges for Water and Access: What Explains the Differences Among West Virginian Municipalities?. <i>Water Economics and Policy</i> , 2018, 04, 1850017.	0.3	2
264	Biosensors for wastewater monitoring: A review. <i>Biosensors and Bioelectronics</i> , 2018, 118, 66-79.	5.3	190
265	Genomic Prediction Accounting for Genotype by Environment Interaction Offers an Effective Framework for Breeding Simultaneously for Adaptation to an Abiotic Stress and Performance Under Normal Cropping Conditions in Rice. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2319-2332.	0.8	30
266	Interest group perceptions on water policy reforms: insight from a water-stressed basin. <i>Water Policy</i> , 2018, 20, 794-810.	0.7	6
267	A Path to Ultraspecificity: Support Layer Properties To Maximize Performance of Biomimetic Desalination Membranes. <i>Environmental Science & Technology</i> , 2018, 52, 10737-10747.	4.6	36
268	Artificial water channelsâ€™ deconvolution of natural Aquaporins through synthetic design. <i>Npj Clean Water</i> , 2018, 1, .	3.1	46
269	Are water markets globally applicable?. <i>Environmental Research Letters</i> , 2018, 13, 034032.	2.2	50
270	Changes and driving mechanism of water footprint scarcity in crop production: A study of Jiangsu Province, China. <i>Ecological Indicators</i> , 2018, 95, 444-454.	2.6	31
271	Enhancement of energy utilization using nanofluid in solar powered membrane distillation. <i>Chemosphere</i> , 2018, 212, 554-562.	4.2	51
272	Crop yield and water use efficiency under aerated irrigation: A meta-analysis. <i>Agricultural Water Management</i> , 2018, 210, 158-164.	2.4	74
273	Global Freshwater Availability Below Normal Conditions and Population Impact Under 1.5 and 2Â°C Stabilization Scenarios. <i>Geophysical Research Letters</i> , 2018, 45, 9803-9813.	1.5	29
275	A dual-function battery for desalination and energy storage. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2522-2526.	3.0	37
276	Bioware fog collectors: the Texas horned lizard as a model for a biomimetic fog-harvesting. <i>Materials Research Express</i> , 2018, 5, 115502.	0.8	14

#	ARTICLE	IF	CITATIONS
277	Thermal analysis and optimization of a system for water harvesting from humid air using thermoelectric coolers. <i>Energy Conversion and Management</i> , 2018, 174, 417-429.	4.4	83
278	Forecasting Industrial Water Demand Using Case Based Reasoning: A Case Study in Zhangye City, China. <i>Ecohydrology</i> , 2018, , 1-30.	0.2	0
279	Sustainable food security in India—Domestic production and macronutrient availability. <i>PLoS ONE</i> , 2018, 13, e0193766.	1.1	55
280	Modeling Sugar Beet Response to Different Combinations of On-Farm Water Management Practices Under Semi-arid Sub-tropical Environment. <i>Sugar Tech</i> , 2019, 21, 122-134.	0.9	2
281	Water used to be infinite: a Brazilian tale of climate change. <i>Kybernetes</i> , 2019, 48, 143-162.	1.2	5
282	Surface modified polyamide nanofiltration membranes with high permeability and stability. <i>Journal of Membrane Science</i> , 2019, 592, 117386.	4.1	63
283	Acquisition of Extracellular DNA by <i>Acinetobacter baylyi</i> ADP1 in Response to Solar and UV-C _{254nm} Disinfection. <i>Environmental Science & Technology</i> , 2019, 53, 10312-10319.	4.6	35
284	A 3D-Structured Sustainable Solar-Driven Steam Generator Using Super-Black Nylon Flocking Materials. <i>Small</i> , 2019, 15, e1902070.	5.2	67
285	Hybrid concentrated solar power (CSP)-desalination systems: A review. <i>Desalination</i> , 2019, 468, 114083.	4.0	83
286	Software tools for management of conjunctive use of surface- and ground-water in the rural environment: integration of the Farm Process and the Crop Growth Module in the FREEWAT platform. <i>Agricultural Water Management</i> , 2019, 223, 105717.	2.4	18
287	Ag@SnO ₂ @ZnO core-shell nanocomposites assisted solar-photocatalysis downregulates multidrug resistance in <i>Bacillus</i> sp.: A catalytic approach to impede antibiotic resistance. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118065.	10.8	50
288	Enhancement of desalination performance of thin-film nanocomposite membrane by cellulose nanofibers. <i>Journal of Membrane Science</i> , 2019, 592, 117363.	4.1	82
289	Beetle-Inspired Hierarchical Antibacterial Interface for Reliable Fog Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34330-34337.	4.0	70
290	Antimicrobial Thin-Film Composite Membranes with Chemically Decorated Ultrasmall Silver Nanoclusters. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14848-14855.	3.2	17
291	Recyclable Polydopamine-Functionalized Sponge for High-Efficiency Clean Water Generation with Dual-Purpose Solar Evaporation and Contaminant Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32559-32568.	4.0	99
292	Water pollution in Bangladesh and its impact on public health. <i>Heliyon</i> , 2019, 5, e02145.	1.4	260
293	Constructing long-term high-frequency time series of global lake and reservoir areas using Landsat imagery. <i>Remote Sensing of Environment</i> , 2019, 232, 111210.	4.6	102
294	Hydrogeology and Hydrogeochemistry of the Lauria Mountains Northern Sector Groundwater Resources (Basilicata, Italy). <i>Geofluids</i> , 2019, 2019, 1-16.	0.3	7

#	ARTICLE	IF	CITATIONS
295	Environmental footprint family to address local to planetary sustainability and deliver on the SDGs. <i>Science of the Total Environment</i> , 2019, 693, 133642.	3.9	245
296	Design and experimental study of a small scale adsorption desalinators. <i>Applied Energy</i> , 2019, 253, 113584.	5.1	26
297	A Spatially Explicit Assessment of Growing Water Stress in China From the Past to the Future. <i>Earth's Future</i> , 2019, 7, 1027-1043.	2.4	27
298	Engineering Selective Desalination Membranes via Molecular Control of Polymer Functional Groups. <i>Environmental Science and Technology Letters</i> , 2019, 6, 462-466.	3.9	22
299	A New Scenario-Based Framework for Conflict Resolution in Water Allocation in Transboundary Watersheds. <i>Water (Switzerland)</i> , 2019, 11, 1174.	1.2	15
300	Socioeconomic Impacts of LCD-Treated Drinking Water Distribution in an Urban Community of the Kathmandu Valley, Nepal. <i>Water (Switzerland)</i> , 2019, 11, 1323.	1.2	5
301	Identification of water use efficient wheat genotypes with high yield for regions of depleting water resources in India. <i>Agricultural Water Management</i> , 2019, 223, 105709.	2.4	24
302	Hydrogen Peroxide Interference in Chemical Oxygen Demand Assessments of Plasma Treated Waters. <i>Plasma</i> , 2019, 2, 294-302.	0.7	14
303	Modifying water sorption properties with polymer additives for atmospheric water harvesting applications. <i>Applied Thermal Engineering</i> , 2019, 161, 114109.	3.0	42
304	Pressure effect on an ocean-based humidification-dehumidification desalination process. <i>Desalination</i> , 2019, 468, 114056.	4.0	7
305	Water Security. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2019, , 1-9.	0.0	0
306	The effect of development in water-saving irrigation techniques on spatial-temporal variations in crop water footprint and benchmarking. <i>Journal of Hydrology</i> , 2019, 577, 123916.	2.3	43
307	Water security implications of coal-fired power plants financed through China's Belt and Road Initiative. <i>Energy Policy</i> , 2019, 132, 1101-1109.	4.2	53
308	Hierarchical fibers for water collection inspired by spider silk. <i>Nanoscale</i> , 2019, 11, 15448-15463.	2.8	45
309	Active-salinity-control reverse osmosis desalination as a flexible load resource. <i>Desalination</i> , 2019, 468, 114062.	4.0	18
310	Numerical quantification of current status quo and future prediction of water quality in eight Asian megacities: challenges and opportunities for sustainable water management. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 319.	1.3	32
311	Effect of liquid depth on microcontaminant removal by solar photo-Fenton with Fe(III):EDDS at neutral pH in high salinity wastewater. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28071-28079.	2.7	7
312	A water cycle for the Anthropocene. <i>Hydrological Processes</i> , 2019, 33, 3046-3052.	1.1	44

#	ARTICLE	IF	CITATIONS
313	Identifying hydro-climatic and socioeconomic forces of water scarcity through structural decomposition analysis: A case study of Beijing city. <i>Science of the Total Environment</i> , 2019, 687, 590-600.	3.9	24
314	Forward osmosis research trends in desalination and wastewater treatment: A review of research trends over the past decade. <i>Journal of Water Process Engineering</i> , 2019, 31, 100886.	2.6	117
315	Risk Assessment and Pressure Response Analysis of the Water Footprint of Agriculture and Livestock: A Case Study of the Beijing-Tianjin-Hebei Region in China. <i>Sustainability</i> , 2019, 11, 3693.	1.6	2
316	Unsustainable groundwater use for global food production and related international trade. <i>Global Sustainability</i> , 2019, 2, .	1.6	29
317	The Planet's Stressed River Basins: Too Much Pressure or Too Little Adaptive Capacity?. <i>Earth's Future</i> , 2019, 7, 1118-1135.	2.4	33
318	The consumptive water footprint of the European Union energy sector. <i>Environmental Research Letters</i> , 2019, 14, 104016.	2.2	29
319	Thermal Efficiency of Solar Steam Generation Approaching 100% through Capillary Water Transport. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 19041-19046.	7.2	167
320	An Interfacial Solar-Driven Atmospheric Water Generator Based on a Liquid Sorbent with Simultaneous Adsorption-Desorption. <i>Advanced Materials</i> , 2019, 31, e1903378.	11.1	147
321	Current Crises and Potential Conflicts in Asia and the Pacific: Challenges Facing Global Health or Global Public Health by a Different Name. <i>Prehospital and Disaster Medicine</i> , 2019, 34, 653-667.	0.7	1
322	Ecological risk assessment of heavy metals in vegetables irrigated with groundwater and wastewater: The particular case of Sahiwal district in Pakistan. <i>Agricultural Water Management</i> , 2019, 226, 105816.	2.4	48
323	Urban Green Spaces and Their Need in Cities of Rapidly Urbanizing India: A Review. <i>Urban Science</i> , 2019, 3, 94.	1.1	79
324	Application of Set Pair Analysis in a Comprehensive Evaluation of Water Resource Assets: A Case Study of Wuhan City, China. <i>Water (Switzerland)</i> , 2019, 11, 1718.	1.2	14
325	Acute Water-Scarcity Monitoring for Africa. <i>Water (Switzerland)</i> , 2019, 11, 1968.	1.2	36
326	Managing Forests for Both Downstream and Downwind Water. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	1.0	30
327	Devices for promising applications. , 2019, , 247-314.		0
328	Electrothermally Driven Membrane Distillation for Low-Energy Consumption and Wetting Mitigation. <i>Environmental Science & Technology</i> , 2019, 53, 13506-13513.	4.6	44
329	Global unsustainable virtual water flows in agricultural trade. <i>Environmental Research Letters</i> , 2019, 14, 114001.	2.2	108
330	Sustainable Biochar-Based Solar Absorbers for High-Performance Solar-Driven Steam Generation and Water Purification. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19311-19320.	3.2	99

#	ARTICLE	IF	CITATIONS
331	A nexus modeling framework for assessing water scarcity solutions. <i>Current Opinion in Environmental Sustainability</i> , 2019, 40, 72-80.	3.1	27
332	Economic performance of membrane distillation configurations in optimal solar thermal desalination systems. <i>Desalination</i> , 2019, 472, 114164.	4.0	53
333	The Forestâ€™Water Nexus: An International Perspective. <i>Forests</i> , 2019, 10, 915.	0.9	26
334	Vulnerabilities of the European Unionâ€™s Economy to Hydrological Extremes Outside its Borders. <i>Atmosphere</i> , 2019, 10, 593.	1.0	13
335	Water Governance in India: Evidence on Water Law, Policy, and Administration from Eight Indian States. <i>Water (Switzerland)</i> , 2019, 11, 2071.	1.2	30
336	Water Desalination with Two-Dimensional Metalâ€™Organic Framework Membranes. <i>Nano Letters</i> , 2019, 19, 8638-8643.	4.5	119
337	Evaluation of MOD16 Algorithm over Irrigated Rice Paddy Using Flux Tower Measurements in Southern Brazil. <i>Water (Switzerland)</i> , 2019, 11, 1911.	1.2	22
338	Organic rice farming: an alternative to sustainable agriculture. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 546, 022008.	0.3	1
339	A Precipitation Recycling Network to Assess Freshwater Vulnerability: Challenging the Watershed Convention. <i>Water Resources Research</i> , 2019, 55, 9947-9961.	1.7	33
340	Atomicâ€™and Molecularâ€™Level Design of Functional Metalâ€™Organic Frameworks (MOFs) and Derivatives for Energy and Environmental Applications. <i>Advanced Science</i> , 2019, 6, 1901129.	5.6	121
341	Thermal Efficiency of Solar Steam Generation Approaching 100â€™% through Capillary Water Transport. <i>Angewandte Chemie</i> , 2019, 131, 19217-19222.	1.6	122
342	Characterization of implementation limits and identification of optimization strategies for sustainable water resource recovery through life cycle impact analysis. <i>Environment International</i> , 2019, 133, 105266.	4.8	12
343	Post-synthesis of a covalent organic framework nanofiltration membrane for highly efficient water treatment. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24205-24210.	5.2	101
344	Spatial Pattern Analysis of Regional Water Use Profile Based on the Gini Coefficient and Location Quotient. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1349-1366.	1.0	11
345	Carbonized Treeâ€™Like Furry Magnolia Fruitâ€™Based Evaporator Replicating the Feat of Plant Transpiration. <i>Global Challenges</i> , 2019, 3, 1900040.	1.8	30
346	Six Collective Challenges for Sustainability of AlmerÃa Greenhouse Horticulture. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4097.	1.2	54
347	Future Hydroclimatic Impacts on Africa: Beyond the Paris Agreement. <i>Earth's Future</i> , 2019, 7, 748-761.	2.4	21
348	Rapid Cycling and Exceptional Yield in a Metal-Organic Framework Water Harvester. <i>ACS Central Science</i> , 2019, 5, 1699-1706.	5.3	340

#	ARTICLE	IF	CITATIONS
349	Soil matric potential and salt transport in response to different irrigated lands and soil heterogeneity in the North China Plain. <i>Journal of Soils and Sediments</i> , 2019, 19, 3982-3993.	1.5	10
350	Reassessing the projections of the World Water Development Report. <i>Npj Clean Water</i> , 2019, 2, .	3.1	1,095
351	Photochemically Induced Water Harvesting in Metal-Organic Framework. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15854-15859.	3.2	24
352	Integrated water resources management and modeling: A case study of Bow river basin, Canada. <i>Journal of Cleaner Production</i> , 2019, 240, 118242.	4.6	41
353	Water for maize for pigs for pork: An analysis of inter-provincial trade in China. <i>Water Research</i> , 2019, 166, 115074.	5.3	45
354	The Effectiveness of Urban Irrigation Day Restrictions in California. <i>Water Economics and Policy</i> , 2019, 05, 1950001.	0.3	3
355	Evaluating the viability of establishing container-based sanitation in low-income settlements. <i>Waterlines</i> , 2019, 38, 154-169.	0.1	4
356	Influence of Zeolite and Phosphorus Applications on Water Use, P Uptake and Yield in Rice under Different Irrigation Managements. <i>Agronomy</i> , 2019, 9, 537.	1.3	16
357	A small-scale adsorption desalinator. <i>Energy Procedia</i> , 2019, 158, 1425-1430.	1.8	10
358	Disaggregating SDG-6 water stress indicator at different spatial and temporal scales in Tunisia. <i>Science of the Total Environment</i> , 2019, 694, 133766.	3.9	22
359	Streamflow response to climate change in the Greater Horn of Africa. <i>Climatic Change</i> , 2019, 156, 341-363.	1.7	24
360	Large-scale efficient water harvesting using bioinspired micro-patterned copper oxide nanoneedle surfaces and guided droplet transport. <i>Nanoscale Advances</i> , 2019, 1, 4025-4040.	2.2	33
361	Global-scale human pressure evolution imprints on sustainability of river systems. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3933-3944.	1.9	13
362	Tandem Desalination/Salination Strategies Enabling the Use of Redox Couples for Efficient and Sustainable Electrochemical Desalination. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38641-38647.	4.0	23
363	Water use of a biomass direct-combustion power generation system in China: A combination of life cycle assessment and water footprint analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109396.	8.2	39
364	A Feasibility Study on the Use of an Atmospheric Water Generator (AWG) for the Harvesting of Fresh Water in a Semi-Arid Region Affected by Mining Pollution. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3278.	1.3	16
365	Ultrahigh Permeable C ₂ N-Inspired Graphene Nanomesh Membranes versus Highly Strained C ₂ N for Reverse Osmosis Desalination. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8740-8752.	1.2	22
366	Constructing hierarchical carbon framework and quantifying water transfer for novel solar evaporation configuration. <i>Carbon</i> , 2019, 155, 25-33.	5.4	44

#	ARTICLE	IF	CITATIONS
367	Influence of cooling temperature increase in a hygroscopic cycle on the performance of the cooling equipment. <i>Energy Conversion and Management</i> , 2019, 200, 112080.	4.4	6
368	Does food processing mitigate consumers's™ concerns about crops grown with recycled water?. <i>Food Policy</i> , 2019, 88, 101748.	2.8	14
369	Polymerizable Photocleavable Columnar Liquid Crystals for Nanoporous Water Treatment Membranes. <i>ACS Macro Letters</i> , 2019, 8, 1303-1308.	2.3	34
370	Mobilising hydrosocial power: Climate perception, migration and the small scale geography of water in Cambodia. <i>Political Geography</i> , 2019, 75, 102055.	1.3	15
371	A high-absorption and self-driven salt-resistant black gold nanoparticle-deposited sponge for highly efficient, salt-free, and long-term durable solar desalination. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2581-2588.	5.2	103
372	A bioinspired hybrid membrane with wettability and topology anisotropy for highly efficient fog collection. <i>Journal of Materials Chemistry A</i> , 2019, 7, 124-132.	5.2	93
373	Assessment of algal biofuel resource potential in the United States with consideration of regional water stress. <i>Algal Research</i> , 2019, 37, 30-39.	2.4	29
374	Desalination of brackish groundwater and reuse of wastewater by forward osmosis coupled with nanofiltration for draw solution recovery. <i>Water Research</i> , 2019, 153, 134-143.	5.3	64
375	Reclaimed water and food production: Cautionary tales from consumer research. <i>Environmental Research</i> , 2019, 170, 320-331.	3.7	35
376	Estimating River Discharge With Swath Altimetry: A Proof of Concept Using AirSWOT Observations. <i>Geophysical Research Letters</i> , 2019, 46, 1459-1466.	1.5	56
377	Combined effects of salinity and infectious disease on <i>Daphnia dentifera</i> at multiple scales. <i>Freshwater Biology</i> , 2019, 64, 601-607.	1.2	14
378	A Desalination Battery Combining $\text{Cu}_3[\text{Fe}(\text{CN})_6]_2$ as a Na-Storage Electrode and Bi as a Cl-Storage Electrode Enabling Membrane-Free Desalination. <i>Chemistry of Materials</i> , 2019, 31, 1460-1468.	3.2	70
379	Water scarcity risks mitigated or aggravated by the inter-regional electricity transmission across China. <i>Applied Energy</i> , 2019, 238, 413-422.	5.1	34
380	Future drought risk in Africa: Integrating vulnerability, climate change, and population growth. <i>Science of the Total Environment</i> , 2019, 662, 672-686.	3.9	190
381	Superamphiphobic coatings with polymer-wrapped particles: enhancing water harvesting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5426-5433.	5.2	73
382	Comparison of energy consumption in desalination by capacitive deionization and reverse osmosis. <i>Desalination</i> , 2019, 455, 100-114.	4.0	210
383	The Water Governance Reform Framework: Overview and Applications to Australia, Mexico, Tanzania, U.S.A and Vietnam. <i>Water (Switzerland)</i> , 2019, 11, 137.	1.2	17
384	A Modeling Approach to Diagnose the Impacts of Global Changes on Discharge and Suspended Sediment Concentration within the Red River Basin. <i>Water (Switzerland)</i> , 2019, 11, 958.	1.2	16

#	ARTICLE	IF	CITATIONS
385	Exposure of urban foodâ€“energyâ€“water (FEW) systems to water scarcity. <i>Sustainable Cities and Society</i> , 2019, 50, 101621.	5.1	59
386	Linking Water Scarcity to Mental Health: Hydroâ€“Social Interruptions in the Lake Urmia Basin, Iran. <i>Water (Switzerland)</i> , 2019, 11, 1092.	1.2	32
387	Adaptations in irrigated agriculture in the Mediterranean region: an overview and spatial analysis of implemented strategies. <i>Regional Environmental Change</i> , 2019, 19, 1401-1416.	1.4	52
388	An Interfacial Solar Heating Assisted Liquid Sorbent Atmospheric Water Generator. <i>Angewandte Chemie</i> , 2019, 131, 12182-12186.	1.6	34
389	Yield, fruit quality and water use efficiency of tomato for processing under regulated deficit irrigation: A meta-analysis. <i>Agricultural Water Management</i> , 2019, 222, 301-312.	2.4	78
391	Solar thermal desalination as a nonlinear optical process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13182-13187.	3.3	74
392	Water Security and Sustainability. , 2019, , 1-16.		0
393	Effect of the membrane exclusion mechanism on phosphate scaling during synthetic effluent desalination. <i>Water Research</i> , 2019, 161, 381-391.	5.3	17
394	Comparison of Biological Nutrient Removal via Two Biosorption-Activated Media Between Laboratory-Scale and Field-Scale Linear Ditch for Stormwater and Groundwater Co-treatment. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	11
395	Nanotechnology: Let the Land Not Be Parched. , 2019, , 335-353.		0
396	Reverse osmosis (RO) membrane desalination driven by wind and solar photovoltaic (PV) energy: State of the art and challenges for large-scale implementation. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 112, 669-685.	8.2	138
397	Skeletal Muscle Lipidomics as a New Tool to Determine Altered Lipid Homeostasis in Fish Exposed to Urban and Industrial Wastewaters. <i>Environmental Science & Technology</i> , 2019, 53, 8416-8425.	4.6	18
398	Global climatology of nocturnal low-level jets and associated moisture sources and sinks. <i>Atmospheric Research</i> , 2019, 229, 39-59.	1.8	28
399	Copper sulfide-macroporous polyacrylamide hydrogel for solar steam generation. <i>Chemical Engineering Science</i> , 2019, 207, 516-526.	1.9	77
400	Estimation of industrial water demand in India using census-based statistical data. <i>Resources, Conservation and Recycling</i> , 2019, 149, 31-44.	5.3	15
401	Human domination of the global water cycle absent from depictions and perceptions. <i>Nature Geoscience</i> , 2019, 12, 533-540.	5.4	245
402	Irrigation management strategies to increase water productivity in <i>Oryza sativa</i> (rice) in Uruguay. <i>Agricultural Water Management</i> , 2019, 222, 161-172.	2.4	43
403	Regional Multivariate Indices of Water Use Potential for the Continental United States. <i>Sustainability</i> , 2019, 11, 2292.	1.6	0

#	ARTICLE	IF	CITATIONS
404	Delineation of spring recharge zones using environmental isotopes to support climate-resilient interventions in two mountainous catchments in Far-Western Nepal. <i>Hydrogeology Journal</i> , 2019, 27, 2181-2197.	0.9	15
405	The evolution of lowland rice-based production systems in Asia: Historic trends, determinants of change, future perspective. <i>Advances in Agronomy</i> , 2019, , 293-327.	2.4	9
406	The science underlying frugal innovations should not be frugal. <i>Royal Society Open Science</i> , 2019, 6, 180421.	1.1	18
407	Mapping access to domestic water supplies from incomplete data in developing countries: An illustrative assessment for Kenya. <i>PLoS ONE</i> , 2019, 14, e0216923.	1.1	18
408	Three-Dimensional Modelling of Precipitation Enhancement by Cloud Seeding in Three Different Climate Zones. <i>Atmosphere</i> , 2019, 10, 294.	1.0	11
409	Review of remote sensing and geospatial technologies in estimating rooftop rainwater harvesting (RRWH) quality. <i>International Soil and Water Conservation Research</i> , 2019, 7, 266-274.	3.0	25
410	Climate Change, Land Use/Land Cover Change, and Population Growth as Drivers of Groundwater Depletion in the Central Valleys, Oaxaca, Mexico. <i>Remote Sensing</i> , 2019, 11, 1290.	1.8	34
411	A Moisture-Penetrating Humidity Pump Directly Powered by One-Sun Illumination. <i>IScience</i> , 2019, 15, 502-513.	1.9	28
412	One-step tailoring surface roughness and surface chemistry to prepare superhydrophobic polyvinylidene fluoride (PVDF) membranes for enhanced membrane distillation performances. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 99-107.	5.0	66
413	Computational discovery of nanoporous materials for energy- and environment-related applications. <i>Molecular Simulation</i> , 2019, 45, 1122-1147.	0.9	23
414	Electrodialysis-based zero liquid discharge in industrial wastewater treatment. <i>Water Science and Technology</i> , 2019, 79, 1580-1586.	1.2	15
415	Impact of alternative irrigation practices on rice quality. <i>Cereal Chemistry</i> , 2019, 96, 815-823.	1.1	17
416	An Interfacial Solar Heating Assisted Liquid Sorbent Atmospheric Water Generator. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12054-12058.	7.2	152
417	Water footprint assessment within a catchment: A case study for Upper Tigris River Basin. <i>Ecological Indicators</i> , 2019, 106, 105467.	2.6	41
418	Hydrogeochemical processes regulating the spatial distribution of groundwater contamination, using pollution index of groundwater (PIG) and hierarchical cluster analysis (HCA): A case study. <i>Groundwater for Sustainable Development</i> , 2019, 9, 100238.	2.3	101
419	Comprehensive Assessment of Water Footprints and Water Scarcity Pressure for Main Crops in Shandong Province, China. <i>Sustainability</i> , 2019, 11, 1856.	1.6	18
420	Discussion paper: Sustainable increase of crop production through improved technical strategies, breeding and adapted management – A European perspective. <i>Science of the Total Environment</i> , 2019, 678, 146-161.	3.9	24
421	Recycling of end-of-life reverse osmosis membranes for membrane biofilms reactors (MBfRs). Effect of chlorination on the membrane surface and gas permeability.. <i>Chemosphere</i> , 2019, 231, 103-112.	4.2	27

#	ARTICLE	IF	CITATIONS
422	Green-blue water accounting in a soil water balance. <i>Advances in Water Resources</i> , 2019, 129, 112-117.	1.7	72
423	Fabrication of ZrC/PVA-co-PE NF composite membranes with photo-thermal conversion for solar desalination. <i>Composites Communications</i> , 2019, 13, 151-155.	3.3	12
424	Photothermal Membrane Water Treatment for Two Worlds. <i>Accounts of Chemical Research</i> , 2019, 52, 1215-1225.	7.6	117
425	Adsorption-Based Atmospheric Water Harvesting: Impact of Material and Component Properties on System-Level Performance. <i>Accounts of Chemical Research</i> , 2019, 52, 1588-1597.	7.6	219
426	Assessing the water and carbon footprint of hydropower stations at a national scale. <i>Science of the Total Environment</i> , 2019, 676, 595-612.	3.9	29
427	Drinking Water: The Saltier The Better?. <i>Journal of the American Heart Association</i> , 2019, 8, e012758.	1.6	1
428	Evaluating hotspots for stormwater harvesting through participatory sensing. <i>Journal of Environmental Management</i> , 2019, 242, 351-361.	3.8	15
429	Interfacial Solar-Induced Heat Conversion for Desalination. <i>Advanced Energy Materials</i> , 2019, 9, 1900310.	10.2	174
430	Effective modifications of reciprocating-switcher energy recovery device by adopting pilot valve plates to decrease the switching load and fluid fluctuations. <i>Desalination</i> , 2019, 462, 39-47.	4.0	8
431	The Paris pledges and the energy-water-land nexus in Latin America: Exploring implications of greenhouse gas emission reductions. <i>PLoS ONE</i> , 2019, 14, e0215013.	1.1	20
432	Cattle Production for Exports in Water-Abundant Areas: The Case of Finland. <i>Sustainability</i> , 2019, 11, 1075.	1.6	6
433	Porphyrin Covalent Organic Framework (POF)-Based Interface Engineering for Solar Steam Generation. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900254.	1.9	76
434	Evaluating mountain water scarcity on the county scale: a case study of Dongchuan District, Kunming, China. <i>Journal of Mountain Science</i> , 2019, 16, 744-754.	0.8	5
435	Global agricultural green and blue water consumption under future climate and land use changes. <i>Journal of Hydrology</i> , 2019, 574, 242-256.	2.3	63
436	Assessment of Physical Water Scarcity in Africa Using GRACE and TRMM Satellite Data. <i>Remote Sensing</i> , 2019, 11, 904.	1.8	30
437	Spatially isolating salt crystallisation from water evaporation for continuous solar steam generation and salt harvesting. <i>Energy and Environmental Science</i> , 2019, 12, 1840-1847.	15.6	403
438	Carbon polyaniline capacitive deionization electrodes with stable cycle life. <i>Desalination</i> , 2019, 464, 25-32.	4.0	32
439	Performance investigation of MEMSYS vacuum membrane distillation system in single effect and multi-effect mode. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 34, 9-15.	1.7	23

#	ARTICLE	IF	CITATIONS
440	Tracking Seasonal Fluctuations in Land Water Storage Using Global Models and GRACE Satellites. <i>Geophysical Research Letters</i> , 2019, 46, 5254-5264.	1.5	84
441	On World Water Day, gender equality and empowerment require attention. <i>Lancet Planetary Health</i> , The, 2019, 3, e202-e203.	5.1	13
442	Spatial-temporal assessment of water footprint, water scarcity and crop water productivity in a major crop production region. <i>Journal of Cleaner Production</i> , 2019, 224, 375-383.	4.6	87
443	Forecasting Industrial Water Demand Using Case-Based Reasoning: A Case Study in Zhangye City, China. <i>Ecohydrology</i> , 2019, , 33-60.	0.2	1
444	Climate versus demographic controls on water availability across India at 1.5°C, 2.0°C and 3.0°C global warming levels. <i>Global and Planetary Change</i> , 2019, 177, 1-9.	1.6	22
445	Assessment of Agricultural Water Resources Sustainability in Arid Regions Using Virtual Water Concept: Case of South Khorasan Province, Iran. <i>Water (Switzerland)</i> , 2019, 11, 449.	1.2	16
446	Grooves Accelerate Dew Shedding. <i>Physical Review Letters</i> , 2019, 122, 098005.	2.9	64
447	Architectural design and performance evaluation of a ZigBee technology based adaptive sprinkler irrigation robot. <i>Computers and Electronics in Agriculture</i> , 2019, 160, 168-178.	3.7	29
448	Scalable and robust bilayer polymer foams for highly efficient and stable solar desalination. <i>Nano Energy</i> , 2019, 60, 841-849.	8.2	262
449	Factors Associated with Water Service Continuity for the Rural Populations of Bangladesh, Pakistan, Ethiopia, and Mozambique. <i>Environmental Science & Technology</i> , 2019, 53, 4355-4363.	4.6	15
450	MOF-Based Hierarchical Structures for Solar-Thermal Clean Water Production. <i>Advanced Materials</i> , 2019, 31, e1808249.	11.1	233
451	Zeolite amendment coupled with alternate wetting and drying to reduce nitrogen loss and enhance rice production. <i>Field Crops Research</i> , 2019, 235, 95-103.	2.3	32
452	Modeling the influence of forest cover on streamflows by different approaches. <i>Catena</i> , 2019, 178, 49-58.	2.2	23
453	Building a hydrologic foundation for tropical watershed management. <i>PLoS ONE</i> , 2019, 14, e0213306.	1.1	4
454	The Impact of Upstream Sub-basins' Water Use on Middle Stream and Downstream Sub-basins' Water Security at Country-Basin Unit Spatial Scale and Monthly Temporal Resolution. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 450.	1.2	9
455	Functionalized Porous Aromatic Frameworks as High-Performance Adsorbents for the Rapid Removal of Boric Acid from Water. <i>Advanced Materials</i> , 2019, 31, e1808027.	11.1	96
456	Why do payments for watershed services emerge? A cross-country analysis of adoption contexts. <i>World Development</i> , 2019, 119, 111-119.	2.6	20
457	Superelastic Graphene Nanocomposite for High Cycle-Stability Water Capture-Release under Sunlight. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15616-15622.	4.0	41

#	ARTICLE	IF	CITATIONS
458	Interactive national virtual water-energy nexus networks. <i>Science of the Total Environment</i> , 2019, 673, 128-135.	3.9	20
459	Can we sustain success in reducing deaths to extreme weather in a hotter world?. <i>World Development Perspectives</i> , 2019, 14, 100107.	0.8	7
460	Water vapor capturing using an array of traveling liquid beads for desalination and water treatment. <i>Science Advances</i> , 2019, 5, eaav7662.	4.7	38
461	Nature-inspired salt resistant bimodal porous solar evaporator for efficient and stable water desalination. <i>Energy and Environmental Science</i> , 2019, 12, 1558-1567.	15.6	482
462	Examining Water Security in the Challenging Environment in Togo, West Africa. <i>Water (Switzerland)</i> , 2019, 11, 231.	1.2	32
463	Decision-support framework for the environmental assessment of water treatment systems. <i>Journal of Cleaner Production</i> , 2019, 225, 599-609.	4.6	17
464	A bifunctional MoS ₂ -based solar evaporator for both efficient water evaporation and clean freshwater collection. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11177-11185.	5.2	105
465	Quantifying the global cropland footprint of the European Union's non-food bioeconomy. <i>Environmental Research Letters</i> , 2019, 14, 045011.	2.2	58
466	Solar radiation as a prospective energy source for green and economic processes in the food industry: From waste biomass valorization to dehydration, cooking, and baking. <i>Journal of Cleaner Production</i> , 2019, 220, 1121-1130.	4.6	29
467	Superhydrophilic and oleophobic membrane functionalized with heterogeneously tailored two-dimensional layered double hydroxide nanosheets for antifouling. <i>Journal of Membrane Science</i> , 2019, 577, 165-175.	4.1	30
468	Integrated hydrological modeling for assessment of water demand and supply under socio-economic and IPCC climate change scenarios using WEAP in Central Indus Basin. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2019, 68, 136-148.	0.6	30
469	Graphene oxide based materials for desalination. <i>Carbon</i> , 2019, 146, 320-328.	5.4	98
470	Urban Water Reclamation with Resource Recovery as a Cornerstone of Urban Climate Change Resilience. , 2019, , 1-22.		1
471	Water sharing, reciprocity, and need: A comparative study of interhousehold water transfers in sub-Saharan Africa. <i>Economic Anthropology (Hoboken, NJ)</i> , 2019, 6, 208-221.	0.4	33
472	Analysing the water and greenhouse gas effects of soya bean-based biodiesel in five different regions. <i>GCB Bioenergy</i> , 2019, 11, 381-399.	2.5	9
473	Limits to the world's green water resources for food, feed, fiber, timber, and bioenergy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4893-4898.	3.3	177
474	Development and validation protocol for an instrument to measure household water insecurity across cultures and ecologies: the Household Water InSecurity Experiences (HWISE) Scale. <i>BMJ Open</i> , 2019, 9, e023558.	0.8	64
475	What's in a name? Branding reclaimed water. <i>Environmental Research</i> , 2019, 172, 384-393.	3.7	22

#	ARTICLE	IF	CITATIONS
476	Interdependencies and telecoupling of oil palm expansion at the expense of Indonesian rainforest. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 105, 499-512.	8.2	92
477	Water Debt Indicator Reveals Where Agricultural Water Use Exceeds Sustainable Levels. <i>Water Resources Research</i> , 2019, 55, 2464-2477.	1.7	43
478	Multistage integrated water security assessment in a typical region of Northwestern China. <i>Journal of Cleaner Production</i> , 2019, 220, 732-744.	4.6	33
479	An open thermo-electrochemical cell enabled by interfacial evaporation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6514-6521.	5.2	52
480	Bioinspired Soot-Deposited Janus Fabrics for Sustainable Solar Steam Generation with Salt-Rejection. <i>Global Challenges</i> , 2019, 3, 1800117.	1.8	73
481	Solar-Intensified Ultrafiltration System Based on Porous Photothermal Membrane for Efficient Water Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4889-4896.	3.2	27
482	Bioinspired Hierarchical Surfaces Fabricated by Femtosecond Laser and Hydrothermal Method for Water Harvesting. <i>Langmuir</i> , 2019, 35, 3562-3567.	1.6	54
483	Global virtual water trade and the hydrological cycle: patterns, drivers, and socio-environmental impacts. <i>Environmental Research Letters</i> , 2019, 14, 053001.	2.2	118
484	Optical Fiber Refractometer Based Metal Ion Sensors. <i>Chemosensors</i> , 2019, 7, 63.	1.8	14
485	An Adaptable Approach for Pixel-Based Compositing and Crop Type/Tree Species Mapping. , 2019, , .		0
486	Monitoring Networked Infrastructure with Minimum Data via Sequential Graph Fourier Transforms. , 2019, , .		3
487	Water Filtration using Plant Xylem in Northern India. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 691, 012037.	0.3	3
488	Provision of Clean Water in Remote Village / Islet through Solar Energy Application: Case of Indonesia. , 2019, , .		0
489	Analysis of Wastewater Production to Implement Circular Economy Solutions in a Smart Cities University Campus Living Lab. , 2019, , .		1
490	Assessing the Vulnerabilities of Current and Future Production Systems in Punjab, Pakistan. <i>Sustainability</i> , 2019, 11, 5365.	1.6	4
491	Superstructure-Enabled Anti-Fouling Membrane for Efficient Photothermal Distillation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 20151-20158.	3.2	41
492	Spatiotemporal Changes in China's Terrestrial Water Storage From GRACE Satellites and Its Possible Drivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11976-11993.	1.2	44
493	Analysis of Water Resource Benefits Due to Power Grid Interconnections Using the Virtual Water Method. <i>Global Energy Interconnection</i> , 2019, 2, 276-284.	1.4	2

#	ARTICLE	IF	CITATIONS
494	Hierarchically textured superhydrophilic polyvinylidene fluoride membrane via nanocasting and post-fabrication grafting of surface-tailored silica nanoparticles. <i>Environmental Science: Nano</i> , 2019, 6, 3579-3589.	2.2	11
495	Urban Water Security: Definition and Assessment Framework. <i>Resources</i> , 2019, 8, 178.	1.6	45
496	Life-Cycle Environmental Impact Assessment of the Alternate Subsurface Intake Designs for Seawater Reverse Osmosis Desalination. <i>Computer Aided Chemical Engineering</i> , 2019, , 1561-1566.	0.3	6
497	Viscoelastic solid-repellent coatings for extreme water saving and global sanitation. <i>Nature Sustainability</i> , 2019, 2, 1097-1105.	11.5	77
498	The Water Footprint of Diets: A Global Systematic Review and Meta-analysis. <i>Advances in Nutrition</i> , 2020, 11, 375-386.	2.9	85
499	Decoupling Analysis of Water Footprint and Economic Growth: A Case Study of Beijingâ€“Tianjinâ€“Hebei Region from 2004 to 2017. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4873.	1.2	39
500	A Review of Earth Observation-Based Analyses for Major River Basins. <i>Remote Sensing</i> , 2019, 11, 2951.	1.8	17
501	A parsimonious approach to delineating groundwater potential zones using geospatial modeling and multicriteria decision analysis techniques under limited data availability condition. <i>Engineering Reports</i> , 2019, 1, e12073.	0.9	10
502	Fate of steroid hormone micropollutant estradiol in a hybrid magnetic ion exchange resin-nanofiltration process. <i>Environmental Chemistry</i> , 2019, 16, 630.	0.7	5
503	Integration of Hydraulic Wind Turbines for Seawater Reverse Osmosis Desalination. , 2019, , .		2
504	Rational Function Method for Allocating Water Resources in the Coupled Natural-Human Systems. <i>Water Resources Management</i> , 2019, 33, 57-73.	1.9	6
505	Evaluating water resource sustainability in Beijing, China: Combining PSR model and matter-element extension method. <i>Journal of Cleaner Production</i> , 2019, 206, 171-179.	4.6	116
506	Water Scarcity as a Driver of Multiple Stressor Effects. , 2019, , 111-129.		28
507	Persulfate non-radical activation by nano-CuO for efficient removal of chlorinated organic compounds: Reduced graphene oxide-assisted and CuO (0â€“1) facet-dependent. <i>Chemical Engineering Journal</i> , 2019, 356, 178-189.	6.6	129
508	Monthly blue water footprint caps in a river basin to achieve sustainable water consumption: The role of reservoirs. <i>Science of the Total Environment</i> , 2019, 650, 891-899.	3.9	26
509	Media Representations of Water Issues as Health Risks. <i>Environmental Communication</i> , 2019, 13, 926-942.	1.2	7
510	AWARE-US: Quantifying water stress impacts of energy systems in the United States. <i>Science of the Total Environment</i> , 2019, 648, 1313-1322.	3.9	33
511	Savings and losses of global water resources in foodâ€“related virtual water trade. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1320.	2.8	62

#	ARTICLE	IF	CITATIONS
512	Understanding of water resilience in the Anthropocene. <i>Journal of Hydrology X</i> , 2019, 2, 100009.	0.8	89
513	The state of desalination and brine production: A global outlook. <i>Science of the Total Environment</i> , 2019, 657, 1343-1356.	3.9	1,052
514	Household water sharing: a missing link in international health. <i>International Health</i> , 2019, 11, 163-165.	0.8	33
515	Salt stress under the scalpel “ dissecting the genetics of salt tolerance. <i>Plant Journal</i> , 2019, 97, 148-163.	2.8	219
516	Applying social influence insights to encourage climate resilient domestic water behavior: Bridging the theory–practice gap. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2019, 10, e562.	3.6	16
517	Health cost of salinity contamination in drinking water: evidence from Bangladesh. <i>Environmental Economics and Policy Studies</i> , 2019, 21, 371-397.	0.8	6
518	Evolution of multiple global virtual material flows. <i>Science of the Total Environment</i> , 2019, 658, 659-668.	3.9	30
519	Metal-air desalination battery: Concurrent energy generation and water desalination. <i>Journal of Power Sources</i> , 2019, 412, 197-203.	4.0	34
520	Water scarcity alleviation through water footprint reduction in agriculture: The effect of soil mulching and drip irrigation. <i>Science of the Total Environment</i> , 2019, 653, 241-252.	3.9	139
521	Emerging threats and persistent conservation challenges for freshwater biodiversity. <i>Biological Reviews</i> , 2019, 94, 849-873.	4.7	1,766
522	Under non-stationarity securitization contributes to uncertainty and Tragedy of the Commons. <i>Journal of Hydrology</i> , 2019, 568, 716-721.	2.3	25
523	Water footprint sustainability assessment for the chemical sector at the regional level. <i>Resources, Conservation and Recycling</i> , 2019, 142, 69-77.	5.3	20
524	Effect of biochar on heavy metal accumulation in potatoes from wastewater irrigation. <i>Journal of Environmental Management</i> , 2019, 232, 153-164.	3.8	63
525	Nanomaterials for the water-energy nexus. <i>MRS Bulletin</i> , 2019, 44, 59-66.	1.7	39
526	The carbon footprint of desalination. <i>Desalination</i> , 2019, 454, 71-81.	4.0	61
527	Preparing for the Future: Challenges in Water Management in Colombo, Sri Lanka. <i>Disaster Risk Reduction</i> , 2019, , 329-345.	0.2	1
528	Exploring Future Food Provision Scenarios for China. <i>Environmental Science & Technology</i> , 2019, 53, 1385-1393.	4.6	62
529	Recent Advances in Water and Wastewater Treatment with Emphasis in Membrane Treatment Operations. <i>Water (Switzerland)</i> , 2019, 11, 45.	1.2	7

#	ARTICLE	IF	CITATIONS
530	Solar Energy Triggered Clean Water Harvesting from Humid Air Existing above Sea Surface Enabled by a Hydrogel with Ultrahigh Hygroscopicity. <i>Advanced Materials</i> , 2019, 31, e1806730.	11.1	173
531	Conversion and pre-concentration of SWRO reject brine into high solubility liquid salts (HSLs) by using electrodialysis metathesis. <i>Separation and Purification Technology</i> , 2019, 213, 587-598.	3.9	38
532	Species delimitation in endangered groundwater salamanders: Implications for aquifer management and biodiversity conservation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2624-2633.	3.3	74
533	Healthy diet: a step toward a sustainable diet by reducing water footprint. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3769-3775.	1.7	12
534	Health risk assessment by consumption of vegetables irrigated with reclaimed waste water: A case study in Thika (Kenya). <i>Journal of Environmental Management</i> , 2019, 231, 576-581.	3.8	46
535	Strategic allocation of water conservation incentives to balance environmental flows and societal outcomes. <i>Ecological Engineering</i> , 2019, 127, 160-169.	1.6	26
536	Tree diversity in a human modified riparian forest landscape in semi-arid Kenya. <i>Forest Ecology and Management</i> , 2019, 433, 645-655.	1.4	20
537	Carbonized Bamboos as Excellent 3D Solar Vapor Generation Devices. <i>Advanced Materials Technologies</i> , 2019, 4, 1800593.	3.0	107
538	Complexity, creeping normalcy and conceit: sexy and unsexy catastrophic risks. <i>Foresight</i> , 2019, 21, 35-52.	1.2	14
539	The Built World and Health. , 2019, , 107-142.		0
540	Water risk assessment in supply chains. <i>Journal of Cleaner Production</i> , 2019, 208, 636-648.	4.6	26
541	Overuse of Water Resources: Water Stress and the Implications for Food and Agriculture. , 2019, , 206-211.		1
542	Water energy sustainability synergies and health benefits as means to motivate potable reuse of coalbed methane-produced waters. <i>Ambio</i> , 2019, 48, 752-768.	2.8	8
543	Formation of copper hydroxy double salts derived from metal oxides and their catalytic activity in degradation of methyl orange. <i>Ceramics International</i> , 2019, 45, 993-1000.	2.3	19
544	Accounting energy-based sustainability of crops production in India and Pakistan over first decade of the 21st century. <i>Journal of Cleaner Production</i> , 2019, 207, 111-122.	4.6	35
545	Water harvesting method via a hybrid superwetable coating with superhydrophobic and superhydrophilic nanoparticles. <i>Applied Surface Science</i> , 2019, 465, 986-994.	3.1	77
546	Engineered nanomaterials for water decontamination and purification: From lab to products. <i>Journal of Hazardous Materials</i> , 2019, 363, 295-308.	6.5	147
547	Water policy interventions for food security in Afghanistan. <i>International Journal of Water Resources Development</i> , 2019, 35, 49-70.	1.2	8

#	ARTICLE	IF	CITATIONS
548	Cities as hotspots of indirect water consumption: The case study of Hong Kong. <i>Journal of Hydrology</i> , 2019, 573, 1075-1086.	2.3	29
549	Assessment of short- and long-term memory in trends of major climatic variables over Iran: 1966–2015. <i>Theoretical and Applied Climatology</i> , 2019, 135, 677-691.	1.3	14
550	Water scarcity in Brazil: part 1 – regionalization of the AWARE model characterization factors. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 2342-2358.	2.2	14
551	A review of the impact of wastewater on the fate of pesticides in soils: Effect of some soil and solution properties. <i>Science of the Total Environment</i> , 2020, 718, 134468.	3.9	39
552	Does urbanization intensify regional water scarcity? Evidence and implications from a megaregion of China. <i>Journal of Cleaner Production</i> , 2020, 244, 118592.	4.6	67
553	Effects of industrial pollution on the reproductive biology of <i>Squalius laietanus</i> (Actinopterygii). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> 46, 247-264.	0.9	10
554	Salt-Resistant Carbon Nanotubes/Polyvinyl Alcohol Hybrid Gels with Tunable Water Transport for High-Efficiency and Long-Term Solar Steam Generation. <i>Energy Technology</i> , 2020, 8, 1900721.	1.8	46
555	Adsorption behavior and mechanism of Pb(II) and complex Cu(II) species by biowaste-derived char with amino functionalization. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 215-225.	5.0	54
556	Testing the theoretical similarities between food and water insecurity: Buffering hypothesis and effects on mental wellbeing. <i>Social Science and Medicine</i> , 2020, 244, 112412.	1.8	33
557	Toward strong science to support equitable water sharing in securitized transboundary watersheds. <i>Biologia (Poland)</i> , 2020, 75, 907-915.	0.8	5
558	Water, anxiety, and the human niche: a study in Southern Province, Zambia. <i>Climate and Development</i> , 2020, 12, 310-322.	2.2	6
559	Green Synthesis of Nanoparticles and Their Applications in Water and Wastewater Treatment. , 2020, , 349-379.		44
560	Freshwater: The Importance of Freshwater for Domestic Use. , 2020, , 12-21.		3
561	Water footprint and economic water productivity assessment of eight dairy cattle farms based on field measurement. <i>Animal</i> , 2020, 14, 180-189.	1.3	9
562	Manipulating Water and Heat with Nanoengineered Surfaces. <i>Women in Engineering and Science</i> , 2020, , 85-99.	0.2	0
563	Nanofiltration membrane via EGCG-PEI co-deposition followed by cross-linking on microporous PTFE substrates for desalination. <i>Separation and Purification Technology</i> , 2020, 232, 115964.	3.9	54
564	Optimal Sampling of Water Distribution Network Dynamics Using Graph Fourier Transform. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 1570-1582.	4.1	14
565	Assessment of GFRP bond behaviour for the design of sustainable reinforced seawater concrete structures. <i>Construction and Building Materials</i> , 2020, 231, 117277.	3.2	16

#	ARTICLE	IF	CITATIONS
566	Reaction kinetics and structural analysis of alkali activated Fe-Si-Ca rich materials. <i>Journal of Cleaner Production</i> , 2020, 246, 119065.	4.6	19
567	Performance of Seawater-Mixed Recycled-Aggregate Concrete. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	1.3	26
568	Vegetation source water identification using isotopic and hydrometric observations from a subhumid mountain catchment. <i>Ecohydrology</i> , 2020, 13, e2167.	1.1	9
569	Improving atmospheric water production yield: Enabling multiple water harvesting cycles with nano sorbent. <i>Nano Energy</i> , 2020, 67, 104255.	8.2	203
570	A molecular dynamics study on water desalination using single-layer MoSe ₂ nanopore. <i>Journal of Membrane Science</i> , 2020, 595, 117611.	4.1	40
571	New challenges of food security in Northwest China: Water footprint and virtual water perspective. <i>Journal of Cleaner Production</i> , 2020, 245, 118939.	4.6	59
572	Glycine-A bio-capping agent for the bioinspired synthesis of nano-zinc oxide photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2949-2966.	1.1	18
573	SHui, an EU-Chinese cooperative project to optimize soil and water management in agricultural areas in the XXI century. <i>International Soil and Water Conservation Research</i> , 2020, 8, 1-14.	3.0	5
574	Synergistic Tandem Solar Electricity-Water Generators. <i>Joule</i> , 2020, 4, 347-358.	11.7	91
575	Hydrogel assisted interfacial polymerization for advanced nanofiltration membranes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3238-3245.	5.2	99
576	Projecting China's future water footprint under the shared socio-economic pathways. <i>Journal of Environmental Management</i> , 2020, 260, 110102.	3.8	35
577	Some reflections on water for residential uses in developed countries. <i>International Journal of Water Resources Development</i> , 2020, 36, 311-324.	1.2	10
578	A tale of two water markets in Australia: lessons for understanding participation in formal water markets. <i>Oxford Review of Economic Policy</i> , 2020, 36, 132-153.	1.0	34
579	Spin-assisted interfacial polymerization strategy for graphene oxide-polyamide composite nanofiltration membrane with high performance. <i>Applied Surface Science</i> , 2020, 508, 145198.	3.1	46
580	Hollow spherical SiO ₂ micro-container encapsulation of LiCl for high-performance simultaneous heat reallocation and seawater desalination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1887-1895.	5.2	53
581	Potential of siltstone and its composites with biochar and magnetite nanoparticles for the removal of cadmium from contaminated aqueous solutions: Batch and column scale studies. <i>Environmental Pollution</i> , 2020, 259, 113938.	3.7	37
582	Envisioning Blue Cities: Urban Water Governance and Water Footprinting. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	6
583	Performance Recovery in Degraded Carbon-Based Electrodes for Capacitive Deionization. <i>Environmental Science & Technology</i> , 2020, 54, 1848-1856.	4.6	24

#	ARTICLE	IF	CITATIONS
584	Removal of chloride ions using a bismuth electrode in capacitive deionization (CDI). <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 373-382.	1.2	34
585	Gel-templated Polymeric Aerogels for Water Treatment by Organic Liquid Removal and Solar Vapor Generation. <i>ChemSusChem</i> , 2020, 13, 749-755.	3.6	25
586	Pelletization of pristine <i>Pteris vittata</i> L. pinnae powder and its application as a biosorbent of Cd(II) and Cr(VI). <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
587	Water pricing and the value-add of irrigation water in Vietnam: Insights from a crop choice model fitted to a national household survey. <i>Agricultural Water Management</i> , 2020, 228, 105881.	2.4	11
588	Reverse osmosis membrane fabrication and modification technologies and future trends: A review. <i>Advances in Colloid and Interface Science</i> , 2020, 276, 102100.	7.0	137
589	Integrating embedded resources and network analysis to understand food-energy-water nexus in the US. <i>Science of the Total Environment</i> , 2020, 709, 136153.	3.9	33
590	Assessing progress towards sustainable development over space and time. <i>Nature</i> , 2020, 577, 74-78.	13.7	407
591	Fog Collection on a Bio-inspired Topological Alloy Net with Micro-/Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5065-5072.	4.0	37
592	Virtual scarce water flows and economic benefits of the Belt and Road Initiative. <i>Journal of Cleaner Production</i> , 2020, 253, 119936.	4.6	37
593	EVALUATION OF AQUACROP MODEL IN SIMULATING BITTER GOURD WATER PRODUCTIVITY UNDER SALINE IRRIGATION. <i>Irrigation and Drainage</i> , 2020, 69, 63-73.	0.8	5
594	Effects of treated urban wastewater irrigation on bioenergy sorghum and soil quality. <i>Agricultural Water Management</i> , 2020, 228, 105894.	2.4	42
595	Exergoeconomic and environmental analysis of seawater desalination system augmented with nanoparticles and cotton hung pad. <i>Journal of Cleaner Production</i> , 2020, 248, 119180.	4.6	62
596	High resolution water scarcity analysis for cotton cultivation areas in Punjab, Pakistan. <i>Ecological Indicators</i> , 2020, 109, 105852.	2.6	22
597	NGO/PA layer with disordered arrangement hybrid PPS composite membrane for desalination. <i>Desalination</i> , 2020, 479, 114211.	4.0	11
598	Environmental performance of building integrated grey water reuse systems based on Life-Cycle Assessment: A systematic and bibliographic analysis. <i>Science of the Total Environment</i> , 2020, 712, 136535.	3.9	35
599	Beetle-like droplet-jumping superamphiphobic coatings for enhancing fog collection of sheet arrays. <i>RSC Advances</i> , 2020, 10, 282-288.	1.7	18
600	A multifunctional hierarchical porous SiO ₂ /GO membrane for high efficiency oil/water separation and dye removal. <i>Carbon</i> , 2020, 160, 88-97.	5.4	117
601	A comprehensive review of climate change impacts, adaptation, and mitigation on environmental and natural calamities in Pakistan. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 48.	1.3	108

#	ARTICLE	IF	CITATIONS
602	A 3D Hemispheric Steam Generator Based on An Organic-Inorganic Composite Light Absorber for Efficient Solar Evaporation and Desalination. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901715.	1.9	45
603	The potential for brackish water use in thermoelectric power generation in the American southwest. <i>Energy Policy</i> , 2020, 137, 111170.	4.2	11
604	Highly Efficient Clean Water Production from Contaminated Air with a Wide Humidity Range. <i>Advanced Materials</i> , 2020, 32, e1905875.	11.1	123
605	Applications of microalgal and cyanobacterial biomass on a way to safe, cleaner and a sustainable environment. <i>Journal of Cleaner Production</i> , 2020, 253, 119770.	4.6	108
606	A new type of artificial water channels. <i>Nature Nanotechnology</i> , 2020, 15, 9-10.	15.6	11
607	Balancing indicators for sustainable intensification of crop production at field and river basin levels. <i>Science of the Total Environment</i> , 2020, 705, 135925.	3.9	21
608	Hybrid Hydrophilic-Hydrophobic CuO@TiO ₂ -Coated Copper Mesh for Efficient Water Harvesting. <i>Langmuir</i> , 2020, 36, 64-73.	1.6	30
609	A Hybrid Stainless-steel Mesh with Nano-array Structure Applied for Efficient Fog Harvesting by Tuning Wetting. <i>Chemistry Letters</i> , 2020, 49, 79-82.	0.7	2
610	Enhanced water yield of solar desalination by thermal concentrated multistage distiller. <i>Desalination</i> , 2020, 477, 114260.	4.0	61
611	Intercalation of zwitterionic surfactants dramatically enhances the performance of low-pressure nanofiltration membrane. <i>Journal of Membrane Science</i> , 2020, 596, 117726.	4.1	19
612	Data-driven Bayesian network modelling to explore the relationships between SDG 6 and the 2030 Agenda. <i>Science of the Total Environment</i> , 2020, 710, 136014.	3.9	40
613	A review on the water-energy nexus for drinking water production from humid air. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 120, 109627.	8.2	127
614	Energy-water nexus in electricity trade network: A case study of interprovincial electricity trade in China. <i>Applied Energy</i> , 2020, 257, 113685.	5.1	38
615	Sustainable freshwater production using passive membrane distillation and waste heat recovery from portable generator sets. <i>Applied Energy</i> , 2020, 258, 114086.	5.1	38
616	Sediment deposition and distribution modelling in reservoirs: current trends and prospects. <i>Water Management</i> , 2020, 173, 172-188.	0.4	5
617	Water insecurity and urban poverty in the Global South: Implications for health and human biology. <i>American Journal of Human Biology</i> , 2020, 32, e23368.	0.8	60
618	Bamboo decorated with plasmonic nanoparticles for efficient solar steam generation. <i>Applied Thermal Engineering</i> , 2020, 167, 114712.	3.0	105
619	Field demonstration of a cost-optimized solar powered electrodialysis reversal desalination system in rural India. <i>Desalination</i> , 2020, 476, 114217.	4.0	24

#	ARTICLE	IF	CITATIONS
620	Energy transfer for storage or recovery in capacitive deionization using a DC-DC converter. <i>Journal of Power Sources</i> , 2020, 448, 227409.	4.0	16
621	Enhanced Photocatalytic Activity of Semiconductor Nanocomposites Doped with Ag Nanoclusters Under UV and Visible Light. <i>Catalysts</i> , 2020, 10, 31.	1.6	11
622	Transboundary water sharing problem; a theoretical analysis using evolutionary game and system dynamics. <i>Journal of Hydrology</i> , 2020, 582, 124521.	2.3	39
624	The Water Footprint of Global Food Production. <i>Water (Switzerland)</i> , 2020, 12, 2696.	1.2	90
625	Sulfonated nickel phthalocyanine redox flow cell for high-performance electrochemical water desalination. <i>Desalination</i> , 2020, 496, 114762.	4.0	10
626	Combined use of municipal solid waste biochar and bacterial biosorbent synergistically decreases Cd(II) and Pb(II) concentration in edible tissue of forage maize irrigated with heavy metal-spiked water. <i>Heliyon</i> , 2020, 6, e04688.	1.4	16
627	Numerical investigation of hydrodynamics and crystal growth in a forced circulation crystallizer. <i>Desalination</i> , 2020, 496, 114739.	4.0	8
628	Groundwater Resilience Assessment in a Communal Coastal Aquifer System. The Case of Manglaralto in Santa Elena, Ecuador. <i>Sustainability</i> , 2020, 12, 8290.	1.6	26
629	Self-pumping and scalable fog collector with diode-like micro-hole arrays inspired by natural asymmetric wettability. <i>Applied Materials Today</i> , 2020, 21, 100851.	2.3	18
630	Simultaneous generation of atmospheric water and electricity using a hygroscopic aerogel with fast sorption kinetics. <i>Nano Energy</i> , 2020, 78, 105326.	8.2	72
631	Elastic Microstaggered Porous Superhydrophilic Framework as a Robust Fogwater Harvester. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48049-48056.	4.0	9
632	Decentralized treatment and recycling of greywater from a school in rural India. <i>Journal of Water Process Engineering</i> , 2020, 38, 101695.	2.6	23
633	Harps under Heavy Fog Conditions: Superior to Meshes but Prone to Tangling. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48124-48132.	4.0	24
634	Disruptive Technologies for Improving Water Security in Large River Basins. <i>Water (Switzerland)</i> , 2020, 12, 2783.	1.2	4
635	Identification of Major Inefficient Water Consumption Areas Considering Water Consumption, Efficiencies, and Footprints in Australia. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6156.	1.3	4
636	All-Day Freshwater Harvesting through Combined Solar-Driven Interfacial Desalination and Passive Radiative Cooling. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47612-47622.	4.0	60
637	X-ray Scattering Studies of Reverse Osmosis Materials. <i>Synchrotron Radiation News</i> , 2020, 33, 40-45.	0.2	7
638	Determination of water quality of Ganga River System in Himalayan region, referencing indexing techniques. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	42

#	ARTICLE	IF	CITATIONS
639	Potential of constructed wetland treatment systems for agricultural wastewater reuse under the EU framework. <i>Journal of Environmental Management</i> , 2020, 275, 111219.	3.8	46
640	Building climate resilience in degraded agricultural landscapes through water management: A case study of Bundelkhand region, Central India. <i>Journal of Hydrology</i> , 2020, 591, 125592.	2.3	30
641	Toward tailoring of a new draw solute for forward osmosis process: Branched poly (deep eutectic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	18
642	Electrospun reduced graphene oxide/polyacrylonitrile membrane for high-performance solar evaporation. <i>Solar Energy</i> , 2020, 209, 325-333.	2.9	54
643	Unlocking the Impacts of COVID-19 Lockdowns: Changes in Thermal Electricity Generation Water Footprint and Virtual Water Trade in Europe. <i>Environmental Science and Technology Letters</i> , 2020, 7, 683-689.	3.9	41
644	World's Demand for Food and Water: The Consequences of Climate Change. , 0, , .		38
645	Nearly Free Sustainable Electric and Thermal Power for Desalination. , 2020, , .		2
646	Facile Fabrication of Slippery Lubricant-Infused CuO-Coated Surfaces with Different Morphologies for Efficient Water Collection and Excellent Slippery Stability. <i>Langmuir</i> , 2020, 36, 8983-8992.	1.6	21
647	Flexible Salt-Rejecting Photothermal Paper Based on Reduced Graphene Oxide and Hydroxyapatite Nanowires for High-Efficiency Solar Energy-Driven Vapor Generation and Stable Desalination. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32556-32565.	4.0	95
648	Establishment and implementation of green infrastructure practice for healthy watershed management: Challenges and perspectives. <i>Water-Energy Nexus</i> , 2020, 3, 186-197.	1.7	8
649	Exploring consumption-based planetary boundary indicators: An absolute water footprinting assessment of Chinese provinces and cities. <i>Water Research</i> , 2020, 184, 116163.	5.3	45
650	A self-rotating solar evaporator for continuous and efficient desalination of hypersaline brine. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16212-16217.	5.2	76
651	The Role of Renewable Energy Resources in Sustainability of Water Desalination as a Potential Fresh-Water Source: An Updated Review. <i>Sustainability</i> , 2020, 12, 5233.	1.6	37
652	The toll of household water insecurity on health and human biology: Current understandings and future directions. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1468.	2.8	62
653	Towards the new era of wastewater treatment of China: Development history, current status, and future directions. <i>Water Cycle</i> , 2020, 1, 80-87.	2.1	56
654	A yolk@shell superhydrophobic/superhydrophilic solar evaporator for efficient and stable desalination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14736-14745.	5.2	61
655	Highly efficient lead extraction from aqueous solutions using inorganic polymer foams derived from biomass fly ash and metakaolin. <i>Journal of Environmental Management</i> , 2020, 272, 111049.	3.8	15
656	Converting treatment wetlands into "treatment gardens": Use of ornamental plants for greywater treatment. <i>Science of the Total Environment</i> , 2020, 744, 140889.	3.9	25

#	ARTICLE	IF	CITATIONS
657	Reusing greywater for cultivation of <i>Capsicum frutescens</i> and <i>Calendula officinalis</i> . <i>Journal of Environmental Management</i> , 2020, 272, 111088.	3.8	7
658	Density enhancement of nano-sized and submicron-sized water droplets induced by charges released from corona discharge. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 445203.	1.3	14
659	Quantitative Analysis of the Effects of Natural and Human Factors on a Hydrological System in Zhangweinan Canal Basin. <i>Water (Switzerland)</i> , 2020, 12, 1864.	1.2	5
660	A Critical Review on Thin-Film Nanocomposite Membranes with Interlayered Structure: Mechanisms, Recent Developments, and Environmental Applications. <i>Environmental Science & Technology</i> , 2020, 54, 15563-15583.	4.6	308
661	Declining Soil Moisture Threatens Water Availability in the U.S. Great Plains. <i>Transactions of the ASABE</i> , 2020, 63, 1147-1156.	1.1	1
662	An all-day solar-driven vapor generator <i>via</i> photothermal and Joule-heating effects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25178-25186.	5.2	50
663	Design of self-righting steam generators for solar-driven interfacial evaporation and self-powered water wave detection. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24664-24674.	5.2	36
664	Recent advances in solar-driven evaporation systems. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25571-25600.	5.2	77
665	Plasmonic metal nitrides for solar-driven water evaporation. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3169-3177.	1.2	14
666	Climate Change, Water Security, and Conflict Potentials in South Africa: Assessing Conflict and Coping Strategies in Rural South Africa. , 2020, , 1-18.		5
667	Modular design of solar-thermal nanofluidics for advanced desalination membranes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24493-24500.	5.2	30
668	Scientific Literature Analysis on Sustainability with the Implication of Open Innovation. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2020, 6, 162.	2.6	16
669	Water Resources for Sustainable Healthy Diets: State of the Art and Outlook. <i>Water (Switzerland)</i> , 2020, 12, 3224.	1.2	13
670	First-Principles Modeling of Sodium Ion and Water Intercalation into Titanium Disulfide Interlayers for Water Desalination. <i>Chemistry of Materials</i> , 2020, 32, 10678-10687.	3.2	7
671	Biomimetic fog collection and its influencing factors. <i>New Journal of Chemistry</i> , 2020, 44, 20495-20519.	1.4	14
672	Reforestation Based on Mono-Plantation of Fast-Growing Tree Species Make It Difficult to Maintain (High) Soil Water Content in Tropics, a Case Study in Hainan Island, China. <i>Water (Switzerland)</i> , 2020, 12, 3077.	1.2	3
673	Removal of CX3R-type disinfection by-product precursors from rainwater with conventional drinking water treatment processes. <i>Water Research</i> , 2020, 185, 116099.	5.3	25
674	Linking Multiscalar Fisheries Using Metacoupling Models. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	8

#	ARTICLE	IF	CITATIONS
675	Study of the effective thickness of the water-intrudable hydrophilic layer in dual-layer hydrophilic-hydrophobic hollow fiber membranes for direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2020, 615, 118552.	4.1	11
676	Surface-ligand protected reduction on plasmonic tuning of one-dimensional MoO ₃ ·x nanobelts for solar steam generation. <i>Nano Research</i> , 2020, 13, 3025-3032.	5.8	33
677	Asymmetric Benefit Compensation Model for Resolving Transboundary Water Management Conflicts. <i>Water Resources Management</i> , 2020, 34, 3625-3647.	1.9	6
678	Adsorption of Divalent Copper Ions from Synthetic Wastewater Using Layered Double Hydroxides (NiZn) and Its Composites with Banana Biochar and Carbon Nanotubes. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	12
679	Water marginality in rural and peri-urban communities. <i>Journal of Cleaner Production</i> , 2020, 273, 122594.	4.6	11
680	A Novel Salt-Rejecting Linen Fabric-Based Solar Evaporator for Stable and Efficient Water Desalination under Highly Saline Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11845-11852.	3.2	65
681	Tillandsia-Inspired Hygroscopic Photothermal Organogels for Efficient Atmospheric Water Harvesting. <i>Angewandte Chemie</i> , 2020, 132, 19399-19408.	1.6	10
682	Tillandsia-Inspired Hygroscopic Photothermal Organogels for Efficient Atmospheric Water Harvesting. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19237-19246.	7.2	112
683	Al doped MoS ₂ for adsorption-based water collection. <i>Applied Surface Science</i> , 2020, 529, 147083.	3.1	15
684	Advanced Nanowood Materials for the Water-Energy Nexus. <i>Advanced Materials</i> , 2021, 33, e2001240.	11.1	59
685	Digital Surveillance for Monitoring Environmental Health Threats: A Case Study Capturing Public Opinion from Twitter about the 2019 Chennai Water Crisis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5077.	1.2	23
686	Seawater Desalination: A Review of Forward Osmosis Technique, Its Challenges, and Future Prospects. <i>Processes</i> , 2020, 8, 901.	1.3	52
687	Polymer-Based Membranes and Composites for Safe, Potable, and Usable Water: A Survey of Recent Advances. <i>Chemistry Africa</i> , 2020, 3, 593-608.	1.2	15
688	A Moisture-Hungry Copper Complex Harvesting Air Moisture for Potable Water and Autonomous Urban Agriculture. <i>Advanced Materials</i> , 2020, 32, e2002936.	11.1	81
689	Tuning the Surface Structure of Polyamide Membranes Using Porous Carbon Nitride Nanoparticles for High-Performance Seawater Desalination. <i>Membranes</i> , 2020, 10, 163.	1.4	12
690	Novel eco-friendly electrospun nanomagnetic zinc oxide hybridized PVA/alginate/chitosan nanofibers for enhanced phenol decontamination. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43077-43092.	2.7	42
691	Insights on the role of interparticle porosity and electrode thickness on capacitive deionization performance for desalination. <i>Desalination</i> , 2020, 492, 114594.	4.0	20
692	Experimental and numerical investigations of overlapping function in enhancing flow continuity for reciprocating-switcher energy recovery device. <i>Desalination</i> , 2020, 487, 114494.	4.0	8

#	ARTICLE	IF	CITATIONS
693	Supplyâ€“Demand of Water Resource of a Basin With High Anthropic Pressure: Case Study Quenane-Quenanito Basin in Colombia. <i>Air, Soil and Water Research</i> , 2020, 13, 117862212091772.	1.2	6
694	Alternate wetting and drying: A water-saving and ecofriendly rice production system. <i>Agricultural Water Management</i> , 2020, 241, 106363.	2.4	88
695	Asymmetric electrode capacitive deionization for energy efficient desalination. <i>Electrochimica Acta</i> , 2020, 358, 136939.	2.6	27
696	Alleviating water shortages by decreasing water footprint in sugarcane production: The impacts of different soil mulching and irrigation systems in South Africa. <i>Groundwater for Sustainable Development</i> , 2020, 11, 100464.	2.3	16
697	Critical risk analysis of metals toxicity in wastewater irrigated soil and crops: a study of a semi-arid developing region. <i>Scientific Reports</i> , 2020, 10, 12845.	1.6	40
698	Global Water Security: Current Research and Priorities for Action. <i>Transactions of the ASABE</i> , 2020, 63, 49-55.	1.1	1
700	A few-layer graphene for advanced composite PVDF membranes dedicated to water desalination: a comparative study. <i>Nanoscale Advances</i> , 2020, 2, 4728-4739.	2.2	19
701	Water Footprint Study Review for Understanding and Resolving Water Issues in China. <i>Water (Switzerland)</i> , 2020, 12, 2988.	1.2	11
702	Assessment of groundwater quality in Khulna city of Bangladesh in terms of water quality index for drinking purpose. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	22
703	Structural design of efficient fog collectors: A review. <i>Environmental Technology and Innovation</i> , 2020, 20, 101169.	3.0	42
704	Exploring the Function of Ion-Exchange Membrane in Membrane Capacitive Deionization via a Fully Coupled Two-Dimensional Process Model. <i>Processes</i> , 2020, 8, 1312.	1.3	6
705	Retaining and recycling water to address water scarcity in the City of Cape Town. <i>Development Southern Africa</i> , 2022, 39, 108-125.	1.1	7
706	Metalâ€“Organic Frameworks as Sorption Materials for Heat Transformation Processes. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4502-4515.	1.0	18
707	Incidence of enterococci resistant to clinically relevant antibiotics in environmental waters and in reclaimed waters used for irrigation. <i>Journal of Water and Health</i> , 2020, 18, 911-924.	1.1	8
708	Cation Selectivity in Capacitive Deionization: Elucidating the Role of Pore Size, Electrode Potential, and Ion Dehydration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42644-42652.	4.0	40
709	Water Supply and Water Scarcity. <i>Water (Switzerland)</i> , 2020, 12, 2347.	1.2	132
710	Sustainable solutions to mitigate occupational heat strain â€“ an umbrella review of physiological effects and global health perspectives. <i>Environmental Health</i> , 2020, 19, 95.	1.7	47
711	An Improved System Dynamics Model to Evaluate Regional Water Scarcity from a Virtual Water Perspective: A Case Study of Henan Province, China. <i>Sustainability</i> , 2020, 12, 7517.	1.6	5

#	ARTICLE	IF	CITATIONS
712	Identifying Problems in Watering Ponds with Different Purposes. <i>Environments - MDPI</i> , 2020, 7, 63.	1.5	3
713	Influence of Climate Changes on the State of Water Resources in Poland and Their Usage. <i>Geosciences (Switzerland)</i> , 2020, 10, 312.	1.0	35
714	Assessment of Inter-Sectoral Virtual Water Reallocation and Linkages in the Northern Tianshan Mountains, China. <i>Water (Switzerland)</i> , 2020, 12, 2363.	1.2	6
715	An Integrative Framework for Stakeholder Engagement Using the Basin Futures Platform. <i>Water (Switzerland)</i> , 2020, 12, 2398.	1.2	6
716	Compartmentalized desalination and salination by high energy density desalination seawater battery. <i>Desalination</i> , 2020, 495, 114666.	4.0	33
717	Development and validation of a physically-based, national-scale hydrological model in China. <i>Journal of Hydrology</i> , 2020, 590, 125431.	2.3	24
718	Bioinspired materials for water-harvesting: focusing on microstructure designs and the improvement of sustainability. <i>Materials Advances</i> , 2020, 1, 2592-2613.	2.6	23
719	IoT Water Monitor Implementation Strategy. <i>Journal of Physics: Conference Series</i> , 2020, 1577, 012045.	0.3	2
720	Why (Not) Desalination? Exploring Driving Factors from Irrigation Communities' Perception in South-East Spain. <i>Water (Switzerland)</i> , 2020, 12, 2408.	1.2	27
721	Nanofibrous Aerogels with Vertically Aligned Microchannels for Efficient Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42686-42695.	4.0	30
722	The Water Wars Novel. <i>Humanities</i> , 2020, 9, 76.	0.1	3
723	Electrically Tuning Ultrafiltration Behavior for Efficient Water Purification. <i>Environmental Science & Technology</i> , 2020, 54, 11536-11545.	4.6	12
724	Gas Foaming Guided Fabrication of 3D Porous Plasmonic Nanoplatform with Broadband Absorption, Tunable Shape, Excellent Stability, and High Photothermal Efficiency for Solar Water Purification. <i>Advanced Functional Materials</i> , 2020, 30, 2003995.	7.8	90
725	Water and sanitation for all in a pandemic. <i>Nature Sustainability</i> , 2020, 3, 773-775.	11.5	45
726	Solar passive distiller with high productivity and Marangoni effect-driven salt rejection. <i>Energy and Environmental Science</i> , 2020, 13, 3646-3655.	15.6	101
727	Water insecurity and psychosocial distress: case study of the Detroit water shutoffs. <i>Journal of Public Health</i> , 2021, 43, 839-845.	1.0	19
728	Cellulose acetate, cellulose acetate propionate and cellulose acetate butyrate membranes for water desalination applications. <i>Cellulose</i> , 2020, 27, 9525-9543.	2.4	25
729	A Hybrid Model-Based Adaptive Framework for the Analysis of Climate Change Impact on Reservoir Performance. <i>Water Resources Management</i> , 2020, 34, 4053-4066.	1.9	2

#	ARTICLE	IF	CITATIONS
730	The Water-Migration Nexus: An Analysis of Causalities and Response Mechanisms with a Focus on the Global South. United Nations University Series on Regionalism, 2020, , 85-115.	0.2	1
731	Water footprint saving through organic rice commodity. AIP Conference Proceedings, 2020, , .	0.3	3
732	Liquid harvesting and transport on multiscaled curvatures. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23436-23442.	3.3	78
733	State level water security indices in Mexico. Sustainable Earth, 2020, 3, .	1.3	4
734	Environmental-social-economic footprints of consumption and trade in the Asia-Pacific region. Nature Communications, 2020, 11, 4490.	5.8	76
735	Evaluating the Global State of Ecosystems and Natural Resources: Within and Beyond the SDGs. Sustainability, 2020, 12, 7381.	1.6	23
736	Sorption, coagulation, and biodegradation for graywater treatment. Water Science and Technology, 2020, 81, 2152-2162.	1.2	10
738	Engineering drought tolerance in plants by modification of transcription and signalling factors. Biotechnology and Biotechnological Equipment, 2020, 34, 781-789.	0.5	11
739	Recent progress in beetle-inspired superhydrophilic-superhydrophobic micropatterned water-collection materials. Water Science and Technology, 2020, 82, 207-226.	1.2	7
740	Mechanisms and Signaling Pathways of Salt Tolerance in Crops: Understanding from the Transgenic Plants. Tropical Plant Biology, 2020, 13, 297-320.	1.0	10
741	Resilient Urbanization: A Systematic Review on Urban Discourse in Pakistan. Urban Science, 2020, 4, 76.	1.1	16
742	The Water Footprint of the United States. Water (Switzerland), 2020, 12, 3286.	1.2	21
743	The Impacts of Arable Land per Farmer on Water Markets in China. Water (Switzerland), 2020, 12, 3433.	1.2	1
744	Reducing the Impacts of Biofouling in RO Membrane Systems through In Situ Low Fluence Irradiation Employing UVC-LEDs. Membranes, 2020, 10, 415.	1.4	10
745	Costâ€“Benefit Evaluation of Decentralized Greywater Reuse Systems in Rural Public Schools in Chile. Water (Switzerland), 2020, 12, 3468.	1.2	12
746	Nature Based Solutions for Urban Resilience: A Distinction Between No-Tech, Low-Tech and High-Tech Solutions. Frontiers in Environmental Science, 2020, 8, .	1.5	27
747	Sustainable Application of Livestock Water Footprints in Different Beef Production Systems of South Africa. Sustainability, 2020, 12, 9921.	1.6	6
748	Next-Generation Ultrafiltration Membranes Enabled by Block Polymers. ACS Nano, 2020, 14, 16446-16471.	7.3	108

#	ARTICLE	IF	CITATIONS
749	Water balance as an indicator of natural resource condition: Case studies from Great Sand Dunes National Park and Preserve. <i>Global Ecology and Conservation</i> , 2020, 24, e01300.	1.0	11
750	Informality and water justice: community perspectives on water issues in Cape Town's low-income neighbourhoods. <i>International Journal of Water Resources Development</i> , 0, , 1-22.	1.2	12
751	Groundwater utilization practices for irrigation systems in east Hararghe zone, Ethiopia. <i>Cogent Food and Agriculture</i> , 2020, 6, 1850200.	0.6	0
752	Avocado Production: Water Footprint and Socio-economic Implications. <i>EuroChoices</i> , 2021, 20, 48-53.	0.6	30
753	Blue water footprint linked to national consumption and international trade is unsustainable. <i>Nature Food</i> , 2020, 1, 792-800.	6.2	50
754	The assembly of a polymer and metal nanoparticle coated glass capillary array for efficient solar desalination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25904-25912.	5.2	28
755	Simultaneous recovery of ammonium and total phosphorus from toilet tail water by modified palygorskite-bentonite clay. <i>Water Environment Research</i> , 2021, 93, 1077-1086.	1.3	8
756	Chlorine Rechargeable Biocidal <i>N</i> -Halamine Nanofibrous Membranes Incorporated with Bifunctional Zwitterionic Polymers for Efficient Water Disinfection Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51057-51068.	4.0	25
757	A 422-Year Reconstruction of the Kaiken River Streamflow, Xinjiang, Northwest China. <i>Atmosphere</i> , 2020, 11, 1100.	1.0	1
758	Domestic and International Drivers of the Demand for Water Resources in the Context of Water Scarcity: A Cross-Country Study. <i>Journal of Risk and Financial Management</i> , 2020, 13, 255.	1.1	3
759	Laser-Engineered Graphene on Wood Enables Efficient Antibacterial, Anti-Salt-Fouling, and Lipophilic-Matter-Rejection Solar Evaporation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51864-51872.	4.0	64
760	Potential for sustainable irrigation expansion in a 3 °C warmer climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29526-29534.	3.3	106
761	Household-Reported Availability of Drinking Water in Africa: A Systematic Review. <i>Water (Switzerland)</i> , 2020, 12, 2603.	1.2	16
762	Livestock Manure and the Impacts on Soil Health: A Review. <i>Soil Systems</i> , 2020, 4, 64.	1.0	137
763	Effect of gray water reuse on toilet flush tank bacterial and scum formation. <i>Sustainable Water Resources Management</i> , 2020, 6, 1.	1.0	3
764	Water Footprint Expands with Gross Domestic Product. <i>Sustainability</i> , 2020, 12, 8741.	1.6	2
765	Producing Safe Drinking Water Using an Atmospheric Water Generator (AWG) in an Urban Environment. <i>Water (Switzerland)</i> , 2020, 12, 2940.	1.2	18
766	The Effect of Best Crop Practices in the Pig and Poultry Production on Water Productivity in a Southern Brazilian Watershed. <i>Water (Switzerland)</i> , 2020, 12, 3014.	1.2	4

#	ARTICLE	IF	CITATIONS
767	China's Belt & Road Initiative nuclear export: Implications for energy cooperation. <i>Energy Policy</i> , 2020, 142, 111519.	4.2	18
768	MOF water harvesters. <i>Nature Nanotechnology</i> , 2020, 15, 348-355.	15.6	400
769	Global agricultural economic water scarcity. <i>Science Advances</i> , 2020, 6, eaaz6031.	4.7	334
770	Sustainable food system policies need to address environmental pressures and impacts: The example of water use and water stress. <i>Science of the Total Environment</i> , 2020, 730, 139151.	3.9	29
771	Spatiotemporal variations and developments of water footprints of pig feeding and pork production in China (2004–2013). <i>Agriculture, Ecosystems and Environment</i> , 2020, 297, 106932.	2.5	24
772	Removal of Na ⁺ and Ca ²⁺ with Prussian blue analogue electrodes for brackish water desalination. <i>Desalination</i> , 2020, 487, 114479.	4.0	23
773	Self-cleaning, antibacterial mixed matrix membranes enabled by photocatalyst Ti-MOFs for efficient dye removal. <i>Journal of Membrane Science</i> , 2020, 610, 118219.	4.1	79
774	Worldwide lake level trends and responses to background climate variation. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2593-2608.	1.9	23
775	Changes in Antibiotic Resistance Gene Levels in Soil after Irrigation with Treated Wastewater: A Comparison between Heterogeneous Photocatalysis and Chlorination. <i>Environmental Science & Technology</i> , 2020, 54, 7677-7686.	4.6	54
776	Rural people's intention to adopt sustainable water management by rainwater harvesting practices: application of TPB and HBM models. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 1847-1861.	1.0	32
777	High-performance polyamide nanofiltration membrane with arch-bridge structure on a highly hydrated cellulose nanofiber support. <i>Science China Materials</i> , 2020, 63, 2570-2581.	3.5	35
778	Environmental Sustainability of Water Footprint in Mainland China. <i>Geography and Sustainability</i> , 2020, 1, 8-17.	1.9	26
779	Water Delivery Channel Design in Solar Evaporator for Efficient and Durable Water Evaporation with Salt Rejection. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7753-7761.	3.2	69
780	Aquafoldmer-Based Aquaporin-like Synthetic Water Channel. <i>Journal of the American Chemical Society</i> , 2020, 142, 10050-10058.	6.6	71
781	Atmospheric Water Harvesting: A Review of Material and Structural Designs. , 2020, 2, 671-684.		274
782	Photovoltaic panel cooling by atmospheric water sorption–evaporation cycle. <i>Nature Sustainability</i> , 2020, 3, 636-643.	11.5	153
783	Incorporating the red jujube water footprint and economic water productivity into sustainable integrated management policy. <i>Journal of Environmental Management</i> , 2020, 269, 110828.	3.8	12
784	Tuning intermolecular pores of resorcin[4]arene-based membranes for enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020, 610, 118282.	4.1	9

#	ARTICLE	IF	CITATIONS
785	Photothermal conversion of Bi ₂ Se ₃ nanosheets and efficient steam generation by capillary siphoning. <i>Energy Reports</i> , 2020, 6, 1304-1311.	2.5	8
786	Why is Single-Layer MoS ₂ a More Energy Efficient Membrane for Water Desalination?. <i>ACS Energy Letters</i> , 2020, 5, 2217-2222.	8.8	78
787	Future Transboundary Water Stress and Its Drivers Under Climate Change: A Global Study. <i>Earth's Future</i> , 2020, 8, e2019EF001321.	2.4	48
788	An Assessment of Water Resources in the Taiwan Strait Island Using the Water Poverty Index. <i>Sustainability</i> , 2020, 12, 2351.	1.6	10
789	Asymmetric Membrane Capacitive Deionization Using Anion-Exchange Membranes Based on Quaternized Polymer Blends. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2946-2956.	2.0	26
790	A Pathway to the Automated Global Assessment of Water Level in Reservoirs with Synthetic Aperture Radar (SAR). <i>Remote Sensing</i> , 2020, 12, 1353.	1.8	7
791	Surface morphology enhances deposition efficiency in biomimetic, wind-driven fog collection. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200038.	1.5	7
792	Titanium nitride nanoparticle embedded membrane for photothermal membrane distillation. <i>Chemosphere</i> , 2020, 256, 127053.	4.2	52
793	Operating within Planetary Boundaries without compromising well-being? A Data Envelopment Analysis approach. <i>Journal of Cleaner Production</i> , 2020, 270, 121833.	4.6	7
794	Novel energy-efficient electrodialysis system for continuous brackish water desalination: Innovative stack configurations and optimal inflow modes. <i>Water Research</i> , 2020, 179, 115847.	5.3	24
795	A geospatial technique based site suitability analysis for construction of water reservoirs in Arsha and Balarampur Blocks, Purulia. , 2020, 6, 52-88.		14
796	Double-layer cellulose hydrogel solar steam generation for high-efficiency desalination. <i>Carbohydrate Polymers</i> , 2020, 243, 116480.	5.1	100
797	A salt-rejecting anisotropic structure for efficient solar desalination via heat-mass flux decoupling. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12089-12096.	5.2	27
798	Conductive polymers in water treatment: A review. <i>Journal of Molecular Liquids</i> , 2020, 312, 113447.	2.3	104
799	Urbanisation and emerging economies: Issues and potential solutions for water and food security. <i>Science of the Total Environment</i> , 2020, 732, 139057.	3.9	82
800	Government initiatives and policies for water conservation and wastewater treatment in South Africa and indigenous knowledge. , 2020, , 285-293.		0
801	Quantifying the Inter- and Intra-Annual Variations in Regional Water Consumption and Scarcity Incorporating Water Quantity and Quality. <i>Water Resources Management</i> , 2020, 34, 2313-2327.	1.9	4
802	New hydrogel materials for improving solar water evaporation, desalination and wastewater treatment: A review. <i>Desalination</i> , 2020, 491, 114564.	4.0	142

#	ARTICLE	IF	CITATIONS
803	Synthesis of composite material HKUST-1/LiCl with high water uptake for water extraction from atmospheric air. <i>Inorganica Chimica Acta</i> , 2020, 511, 119842.	1.2	19
804	Machine learning based estimation of land productivity in the contiguous US using biophysical predictors. <i>Environmental Research Letters</i> , 2020, 15, 074013.	2.2	29
805	N-methyl-D-glucamine based cryogels as reusable sponges to enhance heavy metals removal from water. <i>Chemical Engineering Journal</i> , 2020, 399, 125753.	6.6	13
806	Reduce blue water scarcity and increase nutritional and economic water productivity through changing the cropping pattern in a catchment. <i>Journal of Hydrology</i> , 2020, 588, 125086.	2.3	30
807	Hourglass-Shaped Microfibers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29747-29756.	4.0	5
808	Perception of domestic rainwater harvesting by Iranian citizens. <i>Sustainable Cities and Society</i> , 2020, 60, 102278.	5.1	28
809	Carbon footprint and water footprint in China: Similarities and differences. <i>Science of the Total Environment</i> , 2020, 739, 140070.	3.9	23
810	Corrugated Wood Fabricated Using Laser-Induced Graphitization for Salt-Resistant Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30320-30327.	4.0	67
811	Is India Ready for Alt-Meat? Preferences and Willingness to Pay for Meat Alternatives. <i>Sustainability</i> , 2020, 12, 4377.	1.6	35
812	Changing global cropping patterns to minimize national blue water scarcity. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3015-3031.	1.9	37
813	Present applications of titanium dioxide for the photocatalytic removal of pollutants from water: A review. <i>Journal of Environmental Management</i> , 2020, 270, 110906.	3.8	237
814	A GIS-based DRASTIC Model and an Adjusted DRASTIC Model (DRASTICA) for Groundwater Susceptibility Assessment along the Chinaâ€Pakistan Economic Corridor (CPEC) Route. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 332.	1.4	40
815	Highly Thermally Insulated and Superhydrophilic Corn Straw for Efficient Solar Vapor Generation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16503-16511.	4.0	108
816	Water productivity benchmarks: The case of maize and soybean in Nebraska. <i>Agricultural Water Management</i> , 2020, 234, 106122.	2.4	24
817	A Hydrogenated Metal Oxide with Full Solar Spectrum Absorption for Highly Efficient Photothermal Water Evaporation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2502-2509.	2.1	44
818	An Overview of Managed Aquifer Recharge in Mexico and Its Legal Framework. <i>Water (Switzerland)</i> , 2020, 12, 474.	1.2	16
819	Water Stress and Productivity: An Empirical Analysis of Trends and Drivers. <i>Water Resources Research</i> , 2020, 56, e2019WR025925.	1.7	15
820	Preparation and Electrosorption Desalination Performance of Peanut Shell-Based Activated Carbon and MoS ₂ . <i>International Journal of Electrochemical Science</i> , 2020, 15, 1861-1880.	0.5	9

#	ARTICLE	IF	CITATIONS
821	Solar-driven interfacial desalination for simultaneous freshwater and salt generation. <i>Desalination</i> , 2020, 484, 114423.	4.0	121
822	Superhydrophilic porous carbon foam as a self-desalting monolithic solar steam generation device with high energy efficiency. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9528-9535.	5.2	163
823	Water Security Assessment for the Contiguous United States Using Water Footprint Concepts. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087061.	1.5	31
824	The Water Footprint Concept and Water's Grand Environmental Challenges. <i>One Earth</i> , 2020, 2, 218-222.	3.6	63
825	Deceleration of China's human water use and its key drivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7702-7711.	3.3	155
826	Innovative light-driven chemical/catalytic reactors towards contaminants of emerging concern mitigation: A review. <i>Chemical Engineering Journal</i> , 2020, 394, 124865.	6.6	36
827	“We are free when water is available”: gendered livelihood implications of sporadic water supply in Northern Ghana. <i>Local Environment</i> , 2020, 25, 320-335.	1.1	14
828	Structure Architecting for Salt-Rejecting Solar Interfacial Desalination to Achieve High-Performance Evaporation With In Situ Energy Generation. <i>Advanced Science</i> , 2020, 7, 1903478.	5.6	224
829	Livestock policy for sustainable development. <i>Nature Food</i> , 2020, 1, 160-165.	6.2	97
830	The relative insignificance of advanced materials in enhancing the energy efficiency of desalination technologies. <i>Energy and Environmental Science</i> , 2020, 13, 1694-1710.	15.6	206
831	Effective data convergence, mapping, and pollution categorization of ghats at Ganga River Front in Varanasi. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15912-15924.	2.7	19
832	Disinfection for decentralized wastewater reuse in rural areas through wetlands and solar driven onsite chlorination. <i>Science of the Total Environment</i> , 2020, 721, 137595.	3.9	25
833	In Water-Limited Landscapes, an Anthropocene Exchange: Trading Lakes for Irrigated Agriculture. <i>Earth's Future</i> , 2020, 8, e2019EF001274.	2.4	30
834	Restricting Our Consumption of Material Goods: An Application of the Theory of Planned Behavior. <i>Sustainability</i> , 2020, 12, 800.	1.6	8
835	Hydrological Alteration Index as an Indicator of the Calibration Complexity of Water Quantity and Quality Modeling in the Context of Global Change. <i>Water (Switzerland)</i> , 2020, 12, 115.	1.2	13
836	Water Allocation Using the Bankruptcy Model: A Case Study of the Missouri River. <i>Water (Switzerland)</i> , 2020, 12, 619.	1.2	7
837	Hydrological consequences of natural rubber plantations in Southeast Asia. <i>Land Degradation and Development</i> , 2020, 31, 2060-2073.	1.8	21
838	Analysis of consumer awareness of sustainable water consumption by the water footprint concept. <i>Science of the Total Environment</i> , 2020, 721, 137743.	3.9	38

#	ARTICLE	IF	CITATIONS
839	Regional Carrying Capacities of Freshwater Consumptionâ€”Current Pressure and Its Sources. <i>Environmental Science & Technology</i> , 2020, 54, 9083-9094.	4.6	23
840	Water management impact on denitrifier community and denitrification activity in a paddy soil at different growth stages of rice. <i>Agricultural Water Management</i> , 2020, 241, 106354.	2.4	13
841	Pilot-scale hybrid constructed wetlands for the treatment of cooling tower water prior to its desalination and reuse. <i>Journal of Environmental Management</i> , 2020, 271, 110972.	3.8	14
842	Spatial-temporal variations in blue and green water resources, water footprints and water scarcities in a large river basin: A case for the Yellow River basin. <i>Journal of Hydrology</i> , 2020, 590, 125222.	2.3	72
843	A solar membrane-based wastewater treatment system for high-quality water production. <i>Energy</i> , 2020, 206, 118233.	4.5	7
844	Cross-stacked super-aligned carbon nanotube/activated carbon composite electrodes for efficient water purification via capacitive deionization enhanced ultrafiltration. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	18
845	Green Infrastructure and Water: An Analysis of Global Research. <i>Water (Switzerland)</i> , 2020, 12, 1760.	1.2	17
846	A novel strategy based on magnetic field assisted preparation of magnetic and photocatalytic membranes with improved performance. <i>Journal of Membrane Science</i> , 2020, 612, 118378.	4.1	90
847	Facile Deflagration Synthesis of Hollow Carbon Nanospheres with Efficient Performance for Solar Water Evaporation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35193-35200.	4.0	33
848	Ultrafast Ion Sieving from Honeycomb-like Polyamide Membranes Formed Using Porous Protein Assemblies. <i>Nano Letters</i> , 2020, 20, 5821-5829.	4.5	46
849	Giving Legs to Handprint Thinking: Foundations for Evaluating the Good We Do. <i>Earth's Future</i> , 2020, 8, e2019EF001422.	2.4	11
850	Current research status of large river systems: a cross-continental comparison. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39413-39426.	2.7	9
851	Fabrication of high performance TFN membrane containing NH ₂ -SWCNTs via interfacial regulation. <i>RSC Advances</i> , 2020, 10, 25186-25199.	1.7	14
852	Is household water insecurity a link between water governance and well-being? A multi-site analysis. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2020, 10, 320-334.	0.7	27
853	Versatile photonic band gap materials for water desalination. <i>Optik</i> , 2020, 219, 165160.	1.4	28
854	First approach on nanofluid-based solar still in high altitude for water desalination and solar water disinfection (SODIS). <i>Desalination</i> , 2020, 491, 114592.	4.0	126
855	The Effect of Acid Sanitizers on the Microbiome of Re-use Water. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	2
856	Factorial design of experiments for optimization of photocatalytic degradation of tartrazine by zinc oxide (ZnO) nanorods with different aspect ratios. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104235.	3.3	26

#	ARTICLE	IF	CITATIONS
857	Sustainability of the blue water footprint of crops. <i>Advances in Water Resources</i> , 2020, 143, 103679.	1.7	66
858	Climatization of environmental degradation: a widespread challenge to the integrity of earth science. <i>Hydrological Sciences Journal</i> , 2020, 65, 867-883.	1.2	11
859	Environment as provider. , 2020, , 33-54.		0
860	Designing a bioinspired synthetic tree by unidirectional freezing for simultaneous solar steam generation and salt collection. <i>EcoMat</i> , 2020, 2, e12018.	6.8	65
861	An interdisciplinary approach to perception of water quality for human consumption in a Mapuche community of arid Patagonia, Argentina. <i>Science of the Total Environment</i> , 2020, 720, 137508.	3.9	8
862	Low-Cost, Scalable, and Reusable Photothermal Layers for Highly Efficient Solar Steam Generation and Versatile Energy Conversion. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900153.	2.7	79
863	Evaluation of hydrologic impact of an irrigation curtailment program using Landsat satellite data. <i>Hydrological Processes</i> , 2020, 34, 1697-1713.	1.1	8
864	A review of the assessment of sustainable water use at continental-to-global scale. <i>Sustainable Water Resources Management</i> , 2020, 6, 1.	1.0	19
865	Sustainable Living Filtration Membranes. <i>Environmental Science and Technology Letters</i> , 2020, 7, 213-218.	3.9	22
866	Bioinspired Temperature Regulation in Interfacial Evaporation. <i>Advanced Functional Materials</i> , 2020, 30, 1910481.	7.8	42
867	Groundwater vulnerability and trace element dispersion in the Quaternary aquifers along middle Upper Egypt. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 174.	1.3	12
868	Treenuts and groundnuts in the EAT-Lancet reference diet: Concerns regarding sustainable water use. <i>Global Food Security</i> , 2020, 24, 100357.	4.0	40
869	Water sorption on composite material α -zeolite 13X modified by LiCl and CaCl ₂ . <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110109.	2.2	38
870	An L-cystine-L-cysteine impregnated nanofiltration membrane with the superior performance of an anchoring heavy metal in wastewater. <i>RSC Advances</i> , 2020, 10, 3438-3449.	1.7	13
871	An Asymmetric Iron-Based Redox-Active System for Electrochemical Separation of Ions in Aqueous Media. <i>Advanced Functional Materials</i> , 2020, 30, 1910363.	7.8	39
872	Regional Water Resources Assessment using Water Scarcity Pinch Analysis. <i>Resources, Conservation and Recycling</i> , 2020, 157, 104749.	5.3	51
873	Energy Efficiency of Electro-Driven Brackish Water Desalination: Electrodialysis Significantly Outperforms Membrane Capacitive Deionization. <i>Environmental Science & Technology</i> , 2020, 54, 3663-3677.	4.6	133
874	A fog-collecting surface mimicking the Namib beetle: its water collection efficiency and influencing factors. <i>Nanoscale</i> , 2020, 12, 6921-6936.	2.8	46

#	ARTICLE	IF	CITATIONS
875	Balancing Water Sustainability and Productivity Objectives in Microalgae Cultivation: Siting Open Ponds by Considering Seasonal Water-Stress Impact Using AWARE-US. <i>Environmental Science & Technology</i> , 2020, 54, 2091-2102.	4.6	17
876	TiN, ZrN, and HfN Nanoparticles on Nanoporous Aluminum Oxide Membranes for Solar-Driven Water Evaporation and Desalination. <i>ACS Applied Nano Materials</i> , 2020, 3, 2787-2794.	2.4	53
877	Impact of salt retention on true batch reverse osmosis energy consumption: Experiments and model validation. <i>Desalination</i> , 2020, 479, 114177.	4.0	34
878	Flexible and Robust Polyaniline Composites for Highly Efficient and Durable Solar Desalination. <i>ACS Applied Energy Materials</i> , 2020, 3, 2634-2642.	2.5	73
879	Resonant energy transfer enhances solar thermal desalination. <i>Energy and Environmental Science</i> , 2020, 13, 968-976.	15.6	33
880	The Problem with Solutions: Development Failures in Bangladesh and the Interests They Obscure. <i>Annals of the American Association of Geographers</i> , 2020, 110, 1631-1651.	1.5	8
881	A Systematic Literature Review on Water Insecurity from an Oregon Public Health Perspective. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1122.	1.2	10
882	The Nanosized Dye Adsorbents for Water Treatment. <i>Nanomaterials</i> , 2020, 10, 295.	1.9	114
883	Agricultural Adoption and Behavioral Economics: Bridging the Gap. <i>Applied Economic Perspectives and Policy</i> , 2020, 42, 54-66.	3.1	50
884	Field scale quantification indicates potential for variability in return flows from flood irrigation in the high altitude western US. <i>Agricultural Water Management</i> , 2020, 232, 106062.	2.4	4
885	Scalable solutions to freshwater scarcity: Advancing theories of change to incentivise sustainable water use. <i>Water Security</i> , 2020, 9, 100055.	1.2	29
886	Multifunctional Ag ₃ PO ₄ -rGO-Coated Textiles for Clean Water Production by Solar-Driven Evaporation, Photocatalysis, and Disinfection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6343-6350.	4.0	110
887	Understanding empowerment in water, sanitation, and hygiene (WASH): a scoping review. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2020, 10, 5-15.	0.7	36
888	Groundwater recharge from drywells under constant head conditions. <i>Journal of Hydrology</i> , 2020, 583, 124569.	2.3	19
889	Capping Human Water Footprints in the World's River Basins. <i>Earth's Future</i> , 2020, 8, e2019EF001363.	2.4	40
890	Biodiversity and ecology of microorganisms in high pressure membrane filtration systems. <i>Water Research</i> , 2020, 172, 115511.	5.3	29
891	Efficient Solar-Driven Water Harvesting from Arid Air with Metal-Organic Frameworks Modified by Hygroscopic Salt. <i>Angewandte Chemie</i> , 2020, 132, 5240-5248.	1.6	11
892	Experimental Study and Performance Analysis of a Portable Atmospheric Water Generator. <i>Energies</i> , 2020, 13, 73.	1.6	26

#	ARTICLE	IF	CITATIONS
893	Ultrahigh-efficiency desalination <i>via</i> a thermally-localized multistage solar still. <i>Energy and Environmental Science</i> , 2020, 13, 830-839.	15.6	317
894	An improved water footprint model of steel production concerning virtual water of personnel: The case of Iran. <i>Journal of Environmental Management</i> , 2020, 260, 110065.	3.8	27
895	Rethinking the economics of water: an assessment. <i>Oxford Review of Economic Policy</i> , 2020, 36, 1-23.	1.0	54
896	Efficient Solar-Driven Water Harvesting from Arid Air with Metal-Organic Frameworks Modified by Hygroscopic Salt. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5202-5210.	7.2	231
897	Zinc Spinel Ferrite Nanoparticles as a Pseudocapacitive Electrode with Ultrahigh Desalination Capacity and Long-Term Stability. <i>Environmental Science and Technology Letters</i> , 2020, 7, 118-125.	3.9	40
898	Pollution exacerbates China's water scarcity and its regional inequality. <i>Nature Communications</i> , 2020, 11, 650.	5.8	260
899	Hydrophilic polymer-stabilized porous composite membrane for water evaporation and solar desalination. <i>RSC Advances</i> , 2020, 10, 2507-2512.	1.7	25
900	Sprayed hierarchical biomimetic superhydrophilic-superhydrophobic surface for efficient fog harvesting. <i>Chemical Engineering Journal</i> , 2020, 388, 124283.	6.6	82
901	Phosphonium Modification Leads to Ultraporous Antibacterial Polyamide Composite Membranes with Unreduced Thickness. <i>Advanced Materials</i> , 2020, 32, e2001383.	11.1	150
902	POC/PIM-1 mixed-matrix membranes for water desalination: A molecular simulation study. <i>Journal of Membrane Science</i> , 2020, 608, 118173.	4.1	22
903	Defining the Nature of the Nexus: Specialization, Connectedness, Scarcity, and Scale in Food-Energy-Water Management. <i>Water (Switzerland)</i> , 2020, 12, 972.	1.2	7
904	Impact of Extreme Drought Climate on Water Security in North Borneo: Case Study of Sabah. <i>Water (Switzerland)</i> , 2020, 12, 1135.	1.2	56
905	Participatory Approach for More Robust Water Resource Management: Case Study of the Santa Rosa Sub-Watershed of the Philippines. <i>Water (Switzerland)</i> , 2020, 12, 1172.	1.2	12
906	Sustainable Water Resources Management in an Arid Area Using a Coupled Optimization-Simulation Modeling. <i>Water (Switzerland)</i> , 2020, 12, 885.	1.2	22
907	Efficiency and sustainability of inter-provincial crop-related virtual water transfers in China. <i>Advances in Water Resources</i> , 2020, 138, 103560.	1.7	29
908	Investigation into sustainable water use in India using combined large-scale earth system-based modelling and census-based statistical data. <i>Journal of Hydrology</i> , 2020, 587, 124930.	2.3	7
909	Over 10 kg m ⁻² h ⁻¹ Evaporation Rate Enabled by a 3D Interconnected Porous Carbon Foam. <i>Joule</i> , 2020, 4, 928-937.	11.7	263
910	Humidification-dehumidification desalination systems driven by thermal-based renewable and low-grade energy sources: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 125, 109817.	8.2	86

#	ARTICLE	IF	CITATIONS
911	Nanocomposite membranes embedded with dopamine-melanin nanospheres for enhanced interfacial compatibility and nanofiltration performance. <i>Separation and Purification Technology</i> , 2020, 242, 116816.	3.9	26
912	Practical implementation of true on-site water recycling systems for hand washing and toilet flushing. <i>Water Research X</i> , 2020, 7, 100051.	2.8	14
913	Realization of Low Latent Heat of a Solar Evaporator via Regulating the Water State in Wood Channels. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18504-18511.	4.0	83
914	Quantifying Resilience via Multiscale Feedback Loops in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	15
915	Energy Recovery in SWRO Desalination: Current Status and New Possibilities. <i>Frontiers in Sustainable Cities</i> , 2020, 2, .	1.2	33
916	Agriculture's Historic Twin-Challenge Toward Sustainable Water Use and Food Supply for All. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	30
917	Opportunities for big data in conservation and sustainability. <i>Nature Communications</i> , 2020, 11, 2003.	5.8	49
918	Enhanced Directional Seawater Desalination Using a Structure-Guided Wood Aerogel. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22387-22397.	4.0	53
919	Continuous Leak Detection and Location through the Optimal Mother Wavelet Transform to AE Signal. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020, 11, .	0.9	7
920	Household Water Security Index: development and application in the Awash Basin of Ethiopia. <i>International Journal of River Basin Management</i> , 2022, 20, 185-201.	1.5	10
921	Harps Enable Water Harvesting under Light Fog Conditions. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000040.	2.7	29
922	Localizing resource insecurities: A biocultural perspective on water and wellbeing. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1440.	2.8	27
923	Reducing food waste and changing cropping patterns to reduce water consumption and pollution in cereal production in Iran. <i>Journal of Hydrology</i> , 2020, 586, 124881.	2.3	34
924	Spatial-temporal assessment of agricultural virtual water and uncertainty analysis: The case of Kazakhstan (2000â€“2016). <i>Science of the Total Environment</i> , 2020, 724, 138155.	3.9	13
925	The potential for atmospheric water harvesting to accelerate household access to safe water. <i>Lancet Planetary Health</i> , The, 2020, 4, e91-e92.	5.1	20
926	Shape of a water crisis: practitioner perspectives on urban water scarcity and â€˜Day Zeroâ€™™ in South Africa. <i>Water Policy</i> , 2020, 22, 193-210.	0.7	20
927	Geohydrology: Global Hydrological Cycle. , 2021, , 393-398.		7
928	Differentiated vulnerabilities and capacities for adaptation to water shortage in Gaborone, Botswana. <i>International Journal of Water Resources Development</i> , 2021, 37, 278-299.	1.2	21

#	ARTICLE	IF	CITATIONS
929	Water conservation campaigns in an emerging economy: how effective are they?. <i>International Journal of Advertising</i> , 2021, 40, 452-472.	4.2	15
930	Hydration in relation to water insecurity, heat index, and lactation status in two small-scale populations in hot-humid and hot-arid environments. <i>American Journal of Human Biology</i> , 2021, 33, e23447.	0.8	22
931	Long and short-term assessment of surface area changes in saline and freshwater lakes via remote sensing. <i>Water and Environment Journal</i> , 2021, 35, 107-122.	1.0	10
932	Scientists' warning to humanity on the freshwater biodiversity crisis. <i>Ambio</i> , 2021, 50, 85-94.	2.8	387
933	Development of groundwater sustainability index: a case study of western arid region of Rajasthan, India. <i>Environment, Development and Sustainability</i> , 2021, 23, 1844-1868.	2.7	37
934	Sustainable Solar Evaporation from Solute Surface via Energy Downconversion. <i>Global Challenges</i> , 2021, 5, 2000077.	1.8	7
935	Physical versus virtual water transfers to overcome local water shortages: A comparative analysis of impacts. <i>Advances in Water Resources</i> , 2021, 147, 103811.	1.7	21
936	Facile and low-cost ceramic fiber-based carbon-carbon composite for solar evaporation. <i>Science of the Total Environment</i> , 2021, 759, 143546.	3.9	29
937	Salt Mitigation Strategies of Solar-Driven Interfacial Desalination. <i>Advanced Functional Materials</i> , 2021, 31, 2007855.	7.8	149
938	Biomimetic artificial water channel membranes for enhanced desalination. <i>Nature Nanotechnology</i> , 2021, 16, 190-196.	15.6	109
939	Novel perspective for urban water resource management: 5R generation. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	19
940	Water, agriculture, and climate dynamics in central Chile's Aconcagua River Basin. <i>Physical Geography</i> , 2021, 42, 395-415.	0.6	8
941	Hydrogel materials as an emerging platform for desalination and the production of purified water. <i>Separation and Purification Reviews</i> , 2021, 50, 380-399.	2.8	23
942	Namib desert beetle inspired special patterned fabric with programmable and gradient wettability for efficient fog harvesting. <i>Journal of Materials Science and Technology</i> , 2021, 61, 85-92.	5.6	92
943	Droplet Retention on Superhydrophobic Surfaces: A Critical Review. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001205.	1.9	56
944	Irrigation and fertilization management to optimize rice yield, water productivity and nitrogen recovery efficiency. <i>Irrigation Science</i> , 2021, 39, 235-249.	1.3	19
945	2D Ti ₃ C ₂ T _x MXene nanosheets coated cellulose fibers based 3D nanostructures for efficient water desalination. <i>Chemical Engineering Journal</i> , 2021, 406, 126827.	6.6	82
946	A thermally engineered polydopamine and bacterial nanocellulose bilayer membrane for photothermal membrane distillation with bactericidal capability. <i>Nano Energy</i> , 2021, 79, 105353.	8.2	68

#	ARTICLE	IF	CITATIONS
947	Robust, 3D-printed hydratable plastics for effective solar desalination. <i>Nano Energy</i> , 2021, 79, 105436.	8.2	52
948	New ion exchange membrane derived from sulfochlorated polyether sulfone for electro dialysis desalination of brackish water. <i>Polymers for Advanced Technologies</i> , 2021, 32, 304-314.	1.6	9
949	Effect of biopolymers and humic substances on gypsum scaling and membrane wetting during membrane distillation. <i>Journal of Membrane Science</i> , 2021, 617, 118638.	4.1	78
950	Regulating the morphology of nanofiltration membrane by thermally induced inorganic salt crystals for efficient water purification. <i>Journal of Membrane Science</i> , 2021, 617, 118645.	4.1	20
951	Comparative assessment of different reference evapotranspiration models towards a fit calibration for arid and semi-arid areas. <i>Journal of Arid Environments</i> , 2021, 184, 104318.	1.2	23
952	<i>Bacillus amyloliquefaciens</i> application to prevent biofilms in reclaimed water microirrigation systems*. <i>Irrigation and Drainage</i> , 2021, 70, 4-15.	0.8	5
953	A comprehensive review of direct solar desalination techniques and its advancements. <i>Journal of Cleaner Production</i> , 2021, 284, 124719.	4.6	88
954	Solar-Driven All-Phase One Interfacial Water Evaporator Based on Electrostatic Floccing. <i>Advanced Sustainable Systems</i> , 2021, 5, .	2.7	16
955	Adsorption reverse electro dialysis driven by power plant waste heat to generate electricity and provide cooling. <i>International Journal of Energy Research</i> , 2021, 45, 1971-1987.	2.2	10
956	Enhanced wood-derived photothermal evaporation system by in-situ incorporated lignin carbon quantum dots. <i>Chemical Engineering Journal</i> , 2021, 405, 126703.	6.6	66
957	Can tourism contribute to environmentally sustainable development? Arguments from an ecological limits perspective. <i>Environment, Development and Sustainability</i> , 2021, 23, 8130-8146.	2.7	10
958	Plasticizer-assisted interfacial polymerization for fabricating advanced reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2021, 619, 118788.	4.1	17
959	Preparation and anti-leakage properties of sesbania gum-grafted copolymers. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50103.	1.3	7
960	New insights into tailoring polyamide structure for fabricating highly permeable reverse osmosis membranes. <i>Desalination</i> , 2021, 499, 114840.	4.0	18
961	Characterizing and mitigating the degradation of oxidized cathodes during capacitive deionization cycling. <i>Carbon</i> , 2021, 173, 1105-1114.	5.4	29
962	Impacts of land-use conversions on the water cycle in a typical watershed in the southern Chinese Loess Plateau. <i>Journal of Hydrology</i> , 2021, 593, 125741.	2.3	52
963	Conductive carbonaceous membranes: recent progress and future opportunities. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3270-3289.	5.2	28
964	Heat-driven direct reverse osmosis for high-performance and robust ad hoc seawater desalination. <i>Desalination</i> , 2021, 500, 114800.	4.0	8

#	ARTICLE	IF	CITATIONS
965	Water and energy savings from greywater reuse: a modelling scheme using disaggregated consumption data. <i>International Journal of Energy and Water Resources</i> , 2021, 5, 13-24.	1.3	7
966	Recent development in modification of polysulfone membrane for water treatment application. <i>Journal of Water Process Engineering</i> , 2021, 40, 101835.	2.6	68
967	A janus solar evaporator with 2D water path for highly efficient salt-resisting solar steam generation. <i>Solar Energy Materials and Solar Cells</i> , 2021, 221, 110910.	3.0	62
968	Three-dimensional electrode design with conductive fibers and ordered macropores for enhanced capacitive deionization performance. <i>Desalination</i> , 2021, 498, 114794.	4.0	22
969	Assessment of energy use and environmental impacts of wastewater treatment plants in the entire life cycle: A system meta-analysis. <i>Environmental Research</i> , 2021, 198, 110458.	3.7	19
970	Metal-phenolic network coated cellulose foams for solar-driven clean water production. <i>Carbohydrate Polymers</i> , 2021, 254, 117404.	5.1	36
971	Voltage- and flow-controlled electrodialysis batch operation: Flexible and optimized brackish water desalination. <i>Desalination</i> , 2021, 500, 114837.	4.0	9
972	Semiconductor photothermal materials enabling efficient solar steam generation toward desalination and wastewater treatment. <i>Desalination</i> , 2021, 500, 114853.	4.0	179
973	Design and simulation of a heat-driven direct reverse osmosis device for seawater desalination powered by solar thermal energy. <i>Applied Energy</i> , 2021, 284, 116039.	5.1	14
974	Salt Rejection Solar Absorbers Based on Porous Ionic Polymers Nanowires for Desalination. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000536.	2.0	28
975	Design and fabrication of nanofiltration membranes based on intrinsic porous monomer resorcin[4]arene. <i>Desalination</i> , 2021, 500, 114861.	4.0	14
976	Solar-Driven Interfacial Evaporation and Self-Powered Water Wave Detection Based on an All-Cellulose Monolithic Design. <i>Advanced Functional Materials</i> , 2021, 31, 2008681.	7.8	150
977	Graphene oxide biopolymer aerogels for the removal of lead from drinking water using a novel nano-enhanced ion exchange cascade. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111422.	2.9	30
978	Using hybrid choice models to capture the impact of attitudes on residential greywater reuse preferences. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105171.	5.3	11
979	Marine biomass-derived composite aerogels for efficient and durable solar-driven interfacial evaporation and desalination. <i>Chemical Engineering Journal</i> , 2021, 417, 128051.	6.6	90
980	Poly(p-phenylene benzobisoxazole) nanofiber/reduced graphene oxide composite aerogels toward high-efficiency solar steam generation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125997.	2.3	23
981	Bi ₂ S ₃ /nylon membrane photothermal absorber with water shortage warning capability for seawater desalination. <i>Materials Letters</i> , 2021, 286, 129188.	1.3	8
982	Where is the Planetary Boundary for freshwater being exceeded because of livestock farming?. <i>Science of the Total Environment</i> , 2021, 760, 144035.	3.9	10

#	ARTICLE	IF	CITATIONS
983	Thermoresponsive and antifouling hydrogels as a radiative energy driven water harvesting system. <i>Materials Chemistry Frontiers</i> , 2021, 5, 917-928.	3.2	5
984	Beetle and cactus-inspired surface endows continuous and directional droplet jumping for efficient water harvesting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1507-1516.	5.2	79
985	Transparent exopolymer particles (TEPs)-associated protobiofilm: A neglected contributor to biofouling during membrane filtration. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	31
986	Stochastic mathematical models to balance human and environmental water needs and select the best conservation policy for drought-prone river basins. <i>Journal of Cleaner Production</i> , 2021, 291, 125230.	4.6	7
987	The scarcity-weighted water footprint provides unreliable water sustainability scoring. <i>Science of the Total Environment</i> , 2021, 756, 143992.	3.9	43
988	Tweaking Pakistani Punjab rice-wheat management to maximize productivity within nitrate leaching limits. <i>Field Crops Research</i> , 2021, 260, 107964.	2.3	13
989	Phase equilibrium condition measurements in carbon dioxide hydrate forming system coexisting with seawater. <i>Journal of Chemical Thermodynamics</i> , 2021, 152, 106276.	1.0	11
990	Combined influence of fin, phase change material, wick, and external condenser on the thermal performance of a double slope solar still. <i>Journal of Cleaner Production</i> , 2021, 287, 125458.	4.6	78
991	Frequency of occurrence of flow regime components: a hydrology-based approach for environmental flow assessments and water allocation for the environment. <i>Hydrological Sciences Journal</i> , 2021, 66, 193-213.	1.2	14
992	Building Consensus? The Production of a Water Conservation Discourse Through Twitter: The Water use it Wisely Campaign in Arizona. <i>Environmental Communication</i> , 2021, 15, 285-300.	1.2	11
993	Numerical evaluation of the fog collection potential of electrostatically enhanced fog collector. <i>Atmospheric Research</i> , 2021, 248, 105251.	1.8	22
994	Water, energy and land insecurity in global supply chains. <i>Global Environmental Change</i> , 2021, 67, 102158.	3.6	26
995	Geochemical and Multivariate Statistical Evaluation of Trace Elements in Groundwater of NiÅŸde Municipality, South-Central Turkey: Implications for Arsenic Contamination and Human Health Risks Assessment. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 164-182.	2.1	34
996	An Adsorptionâ€Catalysis Pathway toward Sustainable Application of Mesoporous Carbon Nanospheres for Efficient Environmental Remediation. <i>ACS ES&T Water</i> , 2021, 1, 145-156.	2.3	21
997	Artificial Water Channels: Towards Biomimetic Membranes for Desalination. <i>Chemistry - A European Journal</i> , 2021, 27, 2224-2239.	1.7	39
998	Out of the silos: embedding injury prevention into the Sustainable Development Goals. <i>Injury Prevention</i> , 2021, 27, 166-171.	1.2	27
999	Water resource management through systemic approach: The case of Lake Bracciano. <i>Journal of Simulation</i> , 2021, 15, 65-81.	1.0	3
1000	Working within resource constraints: a qualitative segmentation study. <i>Journal of Strategic Marketing</i> , 2021, 29, 247-263.	3.7	1

#	ARTICLE	IF	CITATIONS
1001	Case Study of Water-related Efficiency and Productivity Analysis. , 2021, , .		0
1002	Data for Water Risks: Current Trends in Reporting Frameworks, Shortcomings, and the Way Forward. Palgrave Studies in Sustainable Business in Association With Future Earth, 2021, , 23-67.	0.5	3
1003	Urban Water Deficit in Sub-Saharan African Cities. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-10.	0.0	1
1004	Reuse of Treated Effluents in a Food-Processing Industry. Advances in Science, Technology and Innovation, 2021, , 283-286.	0.2	1
1005	Role of IRS-1C in Developing Remote Sensing Applications for Water Management in India. Journal of the Indian Society of Remote Sensing, 2021, 49, 151-160.	1.2	0
1006	Stable isotopes reveal groundwater to river connectivity in a mesoscale subtropical watershed. Isotopes in Environmental and Health Studies, 2021, 57, 236-253.	0.5	5
1007	Industrial water conservation by water footprint and sustainable development goals: a review. Environment, Development and Sustainability, 2021, 23, 12661-12709.	2.7	21
1008	Water-Dependent Ecosystems in Italy. Global Issues in Water Policy, 2021, , 137-146.	0.1	0
1009	How microalgal biotechnology can assist with the UN Sustainable Development Goals for natural resource management. Current Research in Environmental Sustainability, 2021, 3, 100050.	1.7	41
1010	Understanding Water-Food-Energy Nexus in the Climate Change Era and the Roadmap to Implementation in South Africa. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 158-185.	0.3	0
1011	Examining the determinants of water resources availability in sub-Sahara Africa: a panel-based econometrics analysis. Environmental Science and Pollution Research, 2021, 28, 21212-21230.	2.7	19
1012	Harvesting Solar Energy by 3D Graphene-based Macroarchitectures. Chemistry in the Environment, 2021, , 257-295.	0.2	0
1013	A Review of Water Stress and Water Footprint Accounting. Water (Switzerland), 2021, 13, 201.	1.2	48
1014	Why there is water scarcity. AIMS Geosciences, 2021, 7, 529-541.	0.4	1
1015	Multifunctional oligomer sponge for efficient solar water purification and oil cleanup. Journal of Materials Chemistry A, 2021, 9, 2104-2110.	5.2	11
1016	Sensing Methodologies in Agriculture for Soil Moisture and Nutrient Monitoring. IEEE Access, 2021, 9, 14095-14121.	2.6	57
1017	Design of monolithic closed-cell polymer foams <i>via</i> controlled gas-foaming for high-performance solar-driven interfacial evaporation. Journal of Materials Chemistry A, 2021, 9, 9692-9705.	5.2	77
1018	Modeling and Simulation of Atmospheric Water Generation Unit Using Anhydrous Salts. Lecture Notes in Computer Science, 2021, , 282-288.	1.0	1

#	ARTICLE	IF	CITATIONS
1019	Investigation of the Relationship among Water and Crop Production under Bounded Irrigation Conditions. Computational Water Energy and Environmental Engineering, 2021, 10, 18-35.	0.4	4
1020	Climate Change Impact on Hydrological Regimes and Extreme Events in Southern Africa. , 2021, , 87-129.		4
1022	Financing the Water and Sanitation Sectors: A Hybrid Literature Review. Infrastructures, 2021, 6, 9.	1.4	19
1023	Janus-interface engineering boosting solar steam towards high-efficiency water collection. Energy and Environmental Science, 2021, 14, 5330-5338.	15.6	122
1024	Recent advances in biomimetic fog harvesting: focusing on higher efficiency and large-scale fabrication. Molecular Systems Design and Engineering, 2021, 6, 986-996.	1.7	15
1025	Robust superhydrophilic attapulgite-based aligned aerogels for highly efficient and stable solar steam generation in harsh environments. Journal of Materials Chemistry A, 2021, 9, 23117-23126.	5.2	46
1026	Sustainable Solar Evaporation while Salt Accumulation. ACS Applied Materials & Interfaces, 2021, 13, 4935-4942.	4.0	46
1027	Water Use, Fecophobia, and Implications for Public Health. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-12.	0.0	0
1028	Flexible, affordable and environmentally sustainable solar vapor generation based on ferric tannate/bacterial cellulose composite for efficient desalination solutions. RSC Advances, 2021, 11, 31641-31649.	1.7	4
1029	Energy Consumption of Brackish Water Desalination: Identifying the Sweet Spots for Electrodialysis and Reverse Osmosis. ACS ES&T Engineering, 2021, 1, 851-864.	3.7	81
1030	Ultrahigh solar-driven atmospheric water production enabled by scalable rapid-cycling water harvester with vertically aligned nanocomposite sorbent. Energy and Environmental Science, 2021, 14, 5979-5994.	15.6	170
1032	Physical versus economic water footprints in crop production: a spatial and temporal analysis for China. Hydrology and Earth System Sciences, 2021, 25, 169-191.	1.9	13
1033	Africa-Wide Trends in Development and Water Resources Through a Climate Change Lens. , 2021, , 13-28.		0
1034	Influence of atmospheric deposition on surface water quality and DBP formation potential as well as control technology of rainwater DBPs: a review. Environmental Science: Water Research and Technology, 2021, 7, 2156-2165.	1.2	1
1035	Water use of Prosopis juliflora and its impacts on catchment water budget and rural livelihoods in Afar Region, Ethiopia. Scientific Reports, 2021, 11, 2688.	1.6	22
1036	Living Standards of Communities Worldwide. Encyclopedia of the UN Sustainable Development Goals, 2021, , 725-735.	0.0	0
1037	Spatial Allocation Method from Coarse Evapotranspiration Data to Agricultural Fields by Quantifying Variations in Crop Cover and Soil Moisture. Remote Sensing, 2021, 13, 343.	1.8	3
1038	Embedding metal foam into metal-organic framework monoliths for triggering a highly efficient release of adsorbed atmospheric water by localized eddy current heating. Materials Horizons, 2021, 8, 1439-1445.	6.4	39

#	ARTICLE	IF	CITATIONS
1039	An environmental pollutant to an efficient solar vapor generator: an eco-friendly method for freshwater production. <i>Materials Advances</i> , 2021, 2, 3856-3861.	2.6	10
1040	Recent progress on electrochemical sensing strategies as comprehensive point-care method. <i>Monatshefte für Chemie</i> , 2021, 152, 1-18.	0.9	15
1041	Overview of Climate Change Management in a Developing Country, India. , 2021, , 1-18.		0
1042	Highly effective catalytic reduction of nitrobenzene compounds with gold nanoparticle-immobilized hydroxyapatite nanowire-sintered porous ceramic beads. <i>New Journal of Chemistry</i> , 2021, 45, 4601-4610.	1.4	9
1043	A hierarchical origami moisture collector with laser-textured microchannel array for a plug-and-play irrigation system. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5630-5638.	5.2	29
1044	Bio-inspired vertically aligned polyaniline nanofiber layers enabling extremely high-efficiency solar membrane distillation for water purification. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10678-10684.	5.2	66
1045	Sustainable Development Goals (SDG) Target 6.2 in Ethiopia: Challenges and Opportunities. <i>Open Access Library Journal (oalib)</i> , 2021, 08, 1-28.	0.1	5
1046	Rational designs of interfacial-heating solar-thermal desalination devices: recent progress and remaining challenges. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6612-6633.	5.2	51
1047	Treatment of brackish water reverse osmosis brine using only solar energy. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1840-1851.	1.2	1
1048	The Water Security Discourse and Its Main Actors. , 2021, , 215-252.		4
1049	Earth's Water Distribution. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2021, , 1-14.	0.0	0
1050	Constructing Reservoir Area's Volume Elevation Curve from TanDEM-X DEM Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 2249-2257.	2.3	12
1051	Water, a Product?. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 971-983.	0.5	0
1052	Integration of bacterial and algal metabolic repertoire in the removal of heavy metals from wastewater. , 2021, , 375-402.		1
1053	A study of spatial and water quality index during dry and rainy seasons at Kelantan River Basin, Peninsular Malaysia. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	22
1054	Sustainability of groundwater used in agricultural production and trade worldwide. , 2021, , 347-357.		2
1055	Emerging investigator series: toward the ultimate limit of seawater desalination with mesopelagic open reverse osmosis. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1212-1219.	1.2	1
1056	Climate Change Impact on Water Resources and Food Security in Egypt and Possible Adaptive Measures. , 2021, , 267-291.		1

#	ARTICLE	IF	CITATIONS
1057	Integrated Water Resources Management: From Spring to Reuse. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-13.	0.0	0
1058	Seawater desalination derived entirely from ocean biomass. Journal of Materials Chemistry A, 2021, 9, 22313-22324.	5.2	48
1059	A thermally insulated solar evaporator coupled with a passive condenser for freshwater collection. Journal of Materials Chemistry A, 2021, 9, 22428-22439.	5.2	16
1060	Sustainability assessment and environmental impacts of water supply systems: a case study in Tampa Bay water supply system. E3S Web of Conferences, 2021, 308, 01010.	0.2	0
1061	Graphene Oxide Assemblies for Sustainable Clean-Water Harvesting and Green-Electricity Generation. Accounts of Materials Research, 2021, 2, 97-107.	5.9	38
1062	Current Trends and Projections of Water Resources Under Climate Change in Ganga River Basin. Society of Earth Scientists Series, 2021, , 233-256.	0.2	3
1063	Reusable Fe ₃ O ₄ /SBA15 Nanocomposite as an Efficient Photo-Fenton Catalyst for the Removal of Sulfamethoxazole and Orange II. Nanomaterials, 2021, 11, 533.	1.9	10
1064	A Mussel-Inspired Polydopamine-Filled Cellulose Aerogel for Solar-Enabled Water Remediation. ACS Applied Materials & Interfaces, 2021, 13, 7617-7624.	4.0	172
1065	A system dynamics simulation model for water conflicts in the Zhanghe River Basin, China. International Journal of Water Resources Development, 2023, 39, 1039-1055.	1.2	12
1066	Efficient and antifouling interfacial solar desalination guided by a transient salt capacitance model. Cell Reports Physical Science, 2021, 2, 100330.	2.8	9
1067	Growing water scarcities: Responses of India and China. Applied Economic Perspectives and Policy, 2022, 44, 411-433.	3.1	1
1068	Partial Desalination of Saline Groundwater: Comparison of Nanofiltration, Reverse Osmosis and Membrane Capacitive Deionisation. Membranes, 2021, 11, 126.	1.4	6
1069	Hydropower impact on the Dniester river streamflow. Environmental Earth Sciences, 2021, 80, 1.	1.3	1
1070	Electrochemical Redox Cells Capable of Desalination and Energy Storage: Addressing Challenges of the Water-Energy Nexus. ACS Energy Letters, 2021, 6, 1034-1044.	8.8	37
1071	Lignin-derived Porous and Microcrystalline Carbon for Flow-Electrode Capacitive Deionization. International Journal of Electrochemical Science, 2021, 16, 210231.	0.5	10
1072	The controversial debate on the role of water reservoirs in reducing water scarcity. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1514.	2.8	16
1073	Perspective: The Importance of Water Security for Ensuring Food Security, Good Nutrition, and Well-being. Advances in Nutrition, 2021, 12, 1058-1073.	2.9	72
1074	Thin-Film Nanocomposite Membranes Containing Water-Stable Zirconium Metal-Organic Cages for Desalination. , 2021, 3, 268-274.		44

#	ARTICLE	IF	CITATIONS
1075	Novel Ramie Fabric-Based Draping Evaporator for Tunable Water Supply and Highly Efficient Solar Desalination. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7200-7207.	4.0	37
1076	Design and performance of small-scale reverse osmosis desalination for brackish water powered by photovoltaic units: a review. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 652, 012024.	0.2	5
1077	Three-Dimensionally Structured Polypyrrole-Coated <i>Setaria viridis</i> Spike Composites for Efficient Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9027-9035.	4.0	63
1078	Solar-powered nanostructured biopolymer hygroscopic aerogels for atmospheric water harvesting. <i>Nano Energy</i> , 2021, 80, 105569.	8.2	99
1079	Analysis of the Current and Future Prediction of Land Use/Land Cover Change Using Remote Sensing and the CA-Markov Model in Majang Forest Biosphere Reserves of Gambella, Southwestern Ethiopia. <i>Scientific World Journal, The</i> , 2021, 2021, 1-18.	0.8	46
1080	Where Does CLTS Work Best? Quantifying Predictors of CLTS Performance in Four Countries. <i>Environmental Science & Technology</i> , 2021, 55, 4064-4076.	4.6	8
1081	Enhanced Steam Temperature Enabled by a Simple Three-Tier Solar Evaporation Device. <i>Global Challenges</i> , 2021, 5, 2000092.	1.8	7
1082	Water-Food Nexus through the Lens of Virtual Water Flows: The Case of India. <i>Water (Switzerland)</i> , 2021, 13, 768.	1.2	8
1083	The adaptive benefits of agricultural water markets in California. <i>Environmental Research Letters</i> , 2021, 16, 044036.	2.2	9
1084	The Mediterranean Region as a Paradigm of the Global Decoupling of N and P Between Soils and Freshwaters. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006874.	1.9	9
1085	Portraying the Water Crisis in Iranian Newspapers: An Approach Using Structure Query Language (SQL). <i>Water (Switzerland)</i> , 2021, 13, 838.	1.2	11
1086	Household Water and Food Insecurity Are Positively Associated with Poor Mental and Physical Health among Adults Living with HIV in Western Kenya. <i>Journal of Nutrition</i> , 2021, 151, 1656-1664.	1.3	25
1087	Water conservation based on local wisdom in Cikondang traditional village community. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 683, 012143.	0.2	1
1088	Long-Term Dynamics of Different Surface Water Body Types and Their Possible Driving Factors in China. <i>Remote Sensing</i> , 2021, 13, 1154.	1.8	6
1089	Assessment of water quality variations on pretreatment and environmental impacts of SWRO desalination. <i>Desalination</i> , 2021, 500, 114831.	4.0	19
1090	Socioeconomic benefits of conserving Iran's water resources through modifying agricultural practices and water management strategies. <i>Ambio</i> , 2021, 50, 1824-1840.	2.8	12
1091	Water Footprint and Life Cycle Assessment: The Complementary Strengths of Analyzing Global Freshwater Appropriation and Resulting Local Impacts. <i>Water (Switzerland)</i> , 2021, 13, 803.	1.2	25
1092	System Dynamics-Multiple Objective Optimization Model for Water Resource Management: A Case Study in Jiaying City, China. <i>Water (Switzerland)</i> , 2021, 13, 671.	1.2	11

#	ARTICLE	IF	CITATIONS
1093	Innovative technology of municipal wastewater treatment for rapid sludge sedimentation and enhancing pollutants removal with nano-material. <i>Bioresource Technology</i> , 2021, 324, 124675.	4.8	22
1094	Modeling oil-water separation with controlled wetting properties. <i>Journal of Chemical Physics</i> , 2021, 154, 104704.	1.2	2
1095	Thermoelectric Power Generation and Water Stress in India: A Spatial and Temporal Analysis. <i>Environmental Science & Technology</i> , 2021, 55, 4314-4323.	4.6	11
1096	Copper Oxide Microtufts on Natural Fractals for Efficient Water Harvesting. <i>Langmuir</i> , 2021, 37, 3370-3381.	1.6	17
1097	Boosting solar steam generation by photothermal enhanced polydopamine/wood composites. <i>Polymer</i> , 2021, 217, 123464.	1.8	132
1098	Evaluation of safe alternative wetting & drying and its influence on growth, yield and water use of the efficiency of rice (<i>Orzya sativa</i> L.). <i>Journal of Applied and Natural Science</i> , 2021, 13, 407-413.	0.2	1
1099	Effect of oxygen plasma treatment on the nanofiltration performance of reduced graphene oxide/cellulose nanofiber composite membranes. <i>Green Chemical Engineering</i> , 2021, 2, 122-131.	3.3	20
1100	Precipitation response to climate change and urban development over the continental United States. <i>Environmental Research Letters</i> , 2021, 16, 044001.	2.2	34
1101	A high-efficiency salt-rejecting solar evaporator with optimized porous structure for continuous solar desalination. <i>Applied Thermal Engineering</i> , 2021, 187, 116515.	3.0	36
1102	Shape-Programmable Interfacial Solar Evaporator with Salt-Precipitation Monitoring Function. <i>ACS Nano</i> , 2021, 15, 5752-5761.	7.3	53
1103	Suspect and non-target screening of reuse water by large-volume injection liquid chromatography and quadrupole time-of-flight mass spectrometry. <i>Chemosphere</i> , 2021, 266, 128961.	4.2	14
1105	Human alteration of global surface water storage variability. <i>Nature</i> , 2021, 591, 78-81.	13.7	188
1106	Simulating the impact of water demand management options on water consumption and wastewater generation profiles. <i>Urban Water Journal</i> , 2021, 18, 320-333.	1.0	3
1107	Water resources and food security in Algeria: Diagnosis and new strategy proposition. <i>African Journal of Agricultural Research Vol Pp</i> , 2021, 17, 414-424.	0.2	3
1108	Accounting for re-exports substantially reduces China's virtual water demand through agricultural trade. <i>Environmental Research Letters</i> , 2021, 16, 045002.	2.2	5
1109	Understanding the Spatial-Temporal Changes of Oasis Farmland in the Tarim River Basin from the Perspective of Agricultural Water Footprint. <i>Water (Switzerland)</i> , 2021, 13, 696.	1.2	7
1110	Passive Permeate-Side-Heated Solar Thermal Membrane Distillation: Extracting Potable Water from Seawater, Surface Water, and Municipal Wastewater at High Single-Stage Solar Efficiencies. <i>ACS ES&T Engineering</i> , 2021, 1, 770-779.	3.7	8
1111	Concentration Polarization Enabled Reactive Coating of Nanofiltration Membranes with Zwitterionic Hydrogel. <i>Membranes</i> , 2021, 11, 187.	1.4	7

#	ARTICLE	IF	CITATIONS
1112	Publisher's note: Conceptualization of Integrating Knowledge Blockchain and Big Data Analysis in Agriculture. IOP Conference Series: Earth and Environmental Science, 2021, 686, 012004.	0.2	1
1113	Irrigation of biomass plantations may globally increase water stress more than climate change. Nature Communications, 2021, 12, 1512.	5.8	54
1114	Evaluating the economic impact of water scarcity in a changing world. Nature Communications, 2021, 12, 1915.	5.8	174
1115	Nanomaterials for remediation of contaminants: a review. Environmental Chemistry Letters, 2021, 19, 3139-3163.	8.3	36
1116	Analysis of indicators of climate extremes and projection of groundwater recharge in the northern part of the Rio de Janeiro state, Brazil. Environment, Development and Sustainability, 2021, 23, 18311-18336.	2.7	5
1118	Interfacial Solar Distillation for Freshwater Production: Fate of Volatile and Semivolatile Organic Contaminants. Environmental Science & Technology, 2021, 55, 6248-6256.	4.6	37
1119	Gradient Heating Effect Modulated by Hydrophobic/Hydrophilic Carbon Nanotube Network Structures for Ultrafast Solar Steam Generation. ACS Applied Materials & Interfaces, 2021, 13, 19109-19116.	4.0	55
1120	Colonial bentgrass transcript expression differences compared with creeping bentgrass in response to water deficit stress. Crop Science, 2021, 61, 2135-2147.	0.8	2
1121	Polysulfide nanoparticles-reduced graphene oxide composite aerogel for efficient solar-driven water purification. Green Energy and Environment, 2023, 8, 267-274.	4.7	15
1122	Towards irrigation automation based on dielectric soil sensors. Journal of Horticultural Science and Biotechnology, 2021, 96, 696-707.	0.9	26
1123	BiVO ₄ and reduced graphene oxide composite hydrogels for solar-driven steam generation and decontamination of polluted water. Solar Energy Materials and Solar Cells, 2021, 222, 110952.	3.0	50
1124	Data-driven peer-to-peer blockchain framework for water consumption management. Peer-to-Peer Networking and Applications, 2021, 14, 2887-2900.	2.6	12
1125	Ion-capture electrodialysis using multifunctional adsorptive membranes. Science, 2021, 372, 296-299.	6.0	152
1126	Unveiling water security in Brazil: current challenges and future perspectives. Hydrological Sciences Journal, 2021, 66, 759-768.	1.2	12
1127	Development of a factorial water policy simulation approach from production and consumption perspectives. Water Research, 2021, 193, 116892.	5.3	23
1128	Simulations of scenarios for urban household water and energy consumption. PLoS ONE, 2021, 16, e0249781.	1.1	6
1129	Proposal of a holistic environmental metric based on environmental indicators. Revista Eletrônica Em Gestão & Educação & E Tecnologia Ambiental, 0, 25, e13.	0.0	0
1130	Fabrication of novel polyethersulfone (PES) hybrid ultrafiltration membranes with superior permeability and antifouling properties using environmentally friendly sulfonated functionalized polydopamine nanofillers. Separation and Purification Technology, 2021, 261, 118311.	3.9	58

#	ARTICLE	IF	CITATIONS
1131	Water scarcity in central Chile: the effect of climate and land cover changes on hydrologic resources. <i>Hydrological Sciences Journal</i> , 2021, 66, 1028-1044.	1.2	14
1132	Mapping incentives for sustainable water use: global potential, local pathways. <i>Environmental Research Communications</i> , 2021, 3, 041002.	0.9	4
1133	Coupling heat curing and surface modification for the fabrication of high permselectivity polyamide nanofiltration membranes. <i>Journal of Membrane Science</i> , 2021, 623, 119073.	4.1	40
1134	Continuous solar desalination based on restricted salt crystallization zone. <i>Desalination</i> , 2021, 501, 114911.	4.0	25
1135	Global Analysis of RNA-Dependent RNA Polymerase-Dependent Small RNAs Reveals New Substrates and Functions for These Proteins and SCS3 in Arabidopsis. <i>Non-coding RNA</i> , 2021, 7, 28.	1.3	10
1136	Incorporation of graphene oxide on thin film composite polysulfone/polyamide membranes. <i>Brazilian Journal of Chemical Engineering</i> , 0, , 1.	0.7	1
1137	Virtual nitrogen and virtual water transfers embedded in food trade networks across the US. <i>Environmental Research Letters</i> , 2021, 16, 045015.	2.2	5
1138	Naproxen removal by CWPO with Fe ₃ O ₄ /multi-walled carbon nanotubes in a fixed-bed reactor. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105110.	3.3	4
1139	Impacts of Water Resources Allocation on Water Environmental Capacity under Climate Change. <i>Water (Switzerland)</i> , 2021, 13, 1187.	1.2	11
1140	Energy, exergy, economic, exergoenvironmental, and environmental analyses of a multigeneration system to produce electricity, cooling, potable water, hydrogen and sodium-hypochlorite. <i>Desalination</i> , 2021, 501, 114902.	4.0	54
1141	What is recycled water, anyway? Investigating greenhouse grower definitions, perceptions, and willingness to use recycled water. <i>Renewable Agriculture and Food Systems</i> , 2021, 36, 491-500.	0.8	2
1142	Heuristic assessment of choices for risk network control. <i>Scientific Reports</i> , 2021, 11, 7645.	1.6	1
1143	The Productivity of Low-Elevation Juniper Forests in Central Asia Increased Under Moderate Warming Scenarios. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006269.	1.3	3
1144	Saving water at Cape Town schools by using smart metering and behavioral change. <i>Water Resources and Economics</i> , 2021, 34, 100175.	0.9	17
1145	Decoupling economic growth from water consumption in the Yangtze River Economic Belt, China. <i>Ecological Indicators</i> , 2021, 123, 107344.	2.6	76
1146	A scalable fish-school inspired self-assembled particle system for solar-powered water-solute separation. <i>National Science Review</i> , 2021, 8, nwab065.	4.6	58
1147	Enhanced permeability and antifouling performance of polyether sulfone (PES) membrane via elevating magnetic Ni@MXene nanoparticles to upper layer in phase inversion process. <i>Journal of Membrane Science</i> , 2021, 623, 119080.	4.1	130
1148	A review on the synthesis of fully aromatic polyamide reverse osmosis membranes. <i>Desalination</i> , 2021, 502, 114939.	4.0	64

#	ARTICLE	IF	CITATIONS
1149	Bioinspired Fibers with Controlled Wettability: From Spinning to Application. <i>ACS Nano</i> , 2021, 15, 7907-7930.	7.3	53
1151	Development and operational stability evaluation of new three-cylinder energy recovery device for SWRO desalination system. <i>Desalination</i> , 2021, 502, 114909.	4.0	10
1152	Engineering Hydrogels for Efficient Solar Desalination and Water Purification. <i>Accounts of Materials Research</i> , 2021, 2, 374-384.	5.9	92
1153	Hierarchically Designed Salt-Resistant Solar Evaporator Based on Donnan Effect for Stable and High-Performance Brine Treatment. <i>Advanced Functional Materials</i> , 2021, 31, 2100025.	7.8	94
1154	Interpersonal Conflict over Water Is Associated with Household Demographics, Domains of Water Insecurity, and Regional Conflict: Evidence from Nine Sites across Eight Sub-Saharan African Countries. <i>Water (Switzerland)</i> , 2021, 13, 1150.	1.2	14
1155	Porous TiNO solar-driven interfacial evaporator for high-efficiency seawater desalination. <i>AIP Advances</i> , 2021, 11, .	0.6	7
1156	Assessment of Advanced Oxidation Processes Using Zebrafish in a Non-Forced Exposure System: A Proof of Concept. <i>Processes</i> , 2021, 9, 734.	1.3	1
1157	Research History and Functional Systems of Fog Water Harvesting. <i>Frontiers in Water</i> , 2021, 3, .	1.0	13
1158	Watermelon rinds as cost-efficient adsorbent for acridine orange: a response surface methodological approach. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71554-71573.	2.7	22
1159	Reducing Water Scarcity by Reducing Food Loss and Waste. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	17
1160	Unraveling the effect of inter-basin water transfer on reducing water scarcity and its inequality in China. <i>Water Research</i> , 2021, 194, 116931.	5.3	76
1161	Fabrication of 3D-Printed Ceramic Structures for Portable Solar Desalination Devices. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23220-23229.	4.0	42
1162	Building consensus on water use assessment of livestock production systems and supply chains: Outcome and recommendations from the FAO LEAP Partnership. <i>Ecological Indicators</i> , 2021, 124, 107391.	2.6	22
1164	Household water insecurity will complicate the ongoing COVID-19 response: Evidence from 29 sites in 23 low- and middle-income countries. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 234, 113715.	2.1	41
1165	Coupling of Dual Channel Waveform ALS and Sonar for Investigation of Lake Bottoms and Shore Zones. <i>Remote Sensing</i> , 2021, 13, 1833.	1.8	9
1166	Multi-scale fallow land dynamics in a water-scarce basin of the U.S. Southwest. <i>Journal of Land Use Science</i> , 2021, 16, 291-312.	1.0	4
1167	Clinical Ecopsychology: The Mental Health Impacts and Underlying Pathways of the Climate and Environmental Crisis. <i>Frontiers in Psychiatry</i> , 2021, 12, 675936.	1.3	38
1168	Chitin-psyllium based aerogel for the efficient removal of crystal violet from aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 366-376.	3.6	28

#	ARTICLE	IF	CITATIONS
1169	Enhanced condensation heat transfer using porous silica inverse opal coatings on copper tubes. <i>Scientific Reports</i> , 2021, 11, 10675.	1.6	12
1170	Bio-inspired Fog Harvesting Materials: Basic Research and Bionic Potential Applications. <i>Journal of Bionic Engineering</i> , 2021, 18, 501-533.	2.7	35
1171	Remotely sensed identification of canopy characteristics using UAV-based imagery under unstable environmental conditions. <i>Environmental Technology and Innovation</i> , 2021, 22, 101465.	3.0	22
1172	Efficient isotropic water desalination in anisotropic lamellar nano-channels formed by layered black phosphorus membrane. <i>Desalination</i> , 2021, 504, 114962.	4.0	16
1173	Efficacy of Electrically-Polarized 3D Printed Graphene-blended Spacers on the Flux Enhancement and Scaling Resistance of Water Filtration Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6623-6631.	3.2	11
1174	Hierarchical Hydrophilic/Hydrophobic/Bumpy Janus Membrane Fabricated by Femtosecond Laser Ablation for Highly Efficient Fog Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26542-26550.	4.0	62
1175	From <i>water2me</i> to <i>water4all</i> : Democratizing the discussion of global water futures through crowdsourcing of individual water values. <i>Hydrological Processes</i> , 2021, 35, e14134.	1.1	1
1176	Gender inequality in urban water governance: Continuity and change in two towns of Nepal. , 2021, 7, 30-51.		9
1177	Water droplet transport on a nylon mesh with graded structures by facile PMMA spraying and etching process inspired by spider silk. <i>Materials Letters</i> , 2021, 291, 129546.	1.3	9
1178	Assessment of drinking water quality and non-carcinogenic health risk associated with the feed and treated water of water treatment devices (WTDs) in southwest Punjab, India. <i>Toxin Reviews</i> , 2022, 41, 536-550.	1.5	5
1179	Câ€œRUN ENSEMBLE: A Multiâ€œForcing Observationâ€œBased Global Runoff Reanalysis. <i>Water Resources Research</i> , 2021, 57, e2020WR028787.	1.7	44
1180	Enhancing ultrafiltration performance by gravity-driven up-flow slow biofilter pre-treatment to remove natural organic matters and biopolymer foulants. <i>Water Research</i> , 2021, 195, 117010.	5.3	21
1181	Integration of CO2 power and refrigeration cycles with a desalination unit to recover geothermal heat in an oilfield. <i>Applied Thermal Engineering</i> , 2021, 189, 116744.	3.0	22
1182	Recent progress and prospect of flow-electrode electrochemical desalination system. <i>Desalination</i> , 2021, 504, 114964.	4.0	33
1183	Yields and water footprints of sunflower and winter wheat under Different Climate Projections. <i>Journal of Cleaner Production</i> , 2021, 298, 126780.	4.6	11
1184	Air-cooled adsorption-based device for harvesting water from island air. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110802.	8.2	50
1185	Innovation and adaptation to climate change: Evidence from the water sector in Africa. <i>Journal of Cleaner Production</i> , 2021, 298, 126859.	4.6	24
1186	Importance of Anode/Cathode Mass Loadings on Capacitive Deionization Performance. <i>Journal of the Electrochemical Society</i> , 2021, 168, 053503.	1.3	8

#	ARTICLE	IF	CITATIONS
1187	Deformation-induced cleaning of organically fouled membranes: Fundamentals and techno-economic assessment for spiral-wound membranes. <i>Journal of Membrane Science</i> , 2021, 626, 119169.	4.1	13
1188	Research on prediction model and numerical simulation of reservoir rock mechanical parameters based on remote sensing images. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	0
1189	Co-creating knowledge, policy, and practice: A call to advance Water Policy Lab process. , 2021, 7, 132-142.		3
1190	Unraveling Membrane Fouling Induced by Chlorinated Water Versus Surface Water: Biofouling Properties and Microbiological Investigation. <i>Engineering</i> , 2022, 15, 154-164.	3.2	13
1191	Quantifying economic-social-environmental trade-offs and synergies of water-supply constraints: An application to the capital region of China. <i>Water Research</i> , 2021, 195, 116986.	5.3	44
1192	Persistent Droughts and Water Scarcity: Households' Perceptions and Practices in Makhanda, South Africa. <i>Land</i> , 2021, 10, 593.	1.2	15
1193	Design and Evaluation of a Millifluidic Insulator-Based Dielectrophoresis (DEP) Retention Device to Separate Bacteria from Tap Water. <i>Water (Switzerland)</i> , 2021, 13, 1678.	1.2	6
1194	Water-land tradeoffs to meet future demands for sugar crops in Latin America and the Caribbean: A bio-physical and socio-economic nexus perspective. <i>Resources, Conservation and Recycling</i> , 2021, 169, 105510.	5.3	14
1195	Characterization of Stormwater Runoff Based on Microbial Source Tracking Methods. <i>Frontiers in Microbiology</i> , 2021, 12, 674047.	1.5	6
1196	Cross-border climate vulnerabilities of the European Union to drought. <i>Nature Communications</i> , 2021, 12, 3322.	5.8	20
1197	Titanium Carbide MXene for Water Desalination: A Molecular Dynamics Study. <i>ACS Applied Nano Materials</i> , 2021, 4, 6145-6151.	2.4	44
1198	Forest cover affects gully expansion at the tropical watershed scale: Case study of Luzinzi in Eastern DR Congo. <i>Trees, Forests and People</i> , 2021, 4, 100083.	0.8	11
1199	Identification and Functional Characterization of Plant MiRNA Under Salt Stress Shed Light on Salinity Resistance Improvement Through MiRNA Manipulation in Crops. <i>Frontiers in Plant Science</i> , 2021, 12, 665439.	1.7	16
1200	Recent progress in detection of chemical and biological toxins in Water using plasmonic nanosensors. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 30, e00117.	5.3	31
1201	Freshwater Scarcity. <i>Annual Review of Environment and Resources</i> , 2021, 46, 319-348.	5.6	60
1202	Wastewater reuse for crop irrigation: Crop yield, soil and human health implications based on giardiasis epidemiology. <i>Science of the Total Environment</i> , 2021, 775, 145833.	3.9	48
1203	Modeling of Water Generation from Air Using Anhydrous Salts. <i>Energies</i> , 2021, 14, 3822.	1.6	7
1204	Maximizing Benefits to Nature and Society in Techno-Ecological Innovation for Water. <i>Sustainability</i> , 2021, 13, 6400.	1.6	3

#	ARTICLE	IF	CITATIONS
1205	Investigating the influence of catholyte salinity on seawater battery desalination. <i>Desalination</i> , 2021, 506, 115018.	4.0	13
1206	PBAT-based Microfiltration Membranes Using Porogen Saturated Solutions: Architecture, Morphology, and Environmental Profile. <i>Journal of Polymers and the Environment</i> , 0, , 1.	2.4	1
1207	Using hydrologic landscape classification and climatic time series to assess hydrologic vulnerability of the western U.S. to climate. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 3179-3206.	1.9	2
1208	Percepci3n social de la salinizaci3n del agua para uso dom3stico en Puerto Madero, Chiapas, M3xico. <i>Economia Agraria Y Recursos Naturales</i> , 2021, 21, 7.	0.1	0
1209	FAO56 crop and water stress coefficients for cotton using subsurface drip irrigation in an arid US climate. <i>Agricultural Water Management</i> , 2021, 252, 106881.	2.4	12
1210	Janus Membrane with Bioinspired Heterogeneous Morphology for Efficient Fog Harvesting. <i>ACS ES&T Engineering</i> , 2021, 1, 1217-1226.	3.7	11
1211	Virological Characterization of Roof-Harvested Rainwater of Densely Urbanized Low-Income Region. <i>Food and Environmental Virology</i> , 2021, 13, 412-420.	1.5	6
1212	Fostering Sustainability and Critical Thinking through Debate3A Case Study. <i>Sustainability</i> , 2021, 13, 6397.	1.6	9
1213	Learning from plants: a new framework to approach water-harvesting design concepts. <i>International Journal of Building Pathology and Adaptation</i> , 2022, 40, 405-421.	0.7	6
1214	An In-Depth Analysis of Physical Blue and Green Water Scarcity in Agriculture in Terms of Causes and Events and Perceived Amenability to Economic Interpretation. <i>Water (Switzerland)</i> , 2021, 13, 1693.	1.2	21
1215	Carbon Materials for Solar Water Evaporation and Desalination. <i>Small</i> , 2021, 17, e2007176.	5.2	186
1216	Spatial analysis approaches for the evaluation and protection of groundwater resources in large watersheds of the Canadian Shield. <i>Hydrogeology Journal</i> , 2021, 29, 2053-2075.	0.9	1
1217	Factors influencing dryland agricultural productivity. <i>Journal of Arid Environments</i> , 2021, 189, 104489.	1.2	14
1218	Distributed solar desalination by membrane distillation: current status and future perspectives. <i>Water Research</i> , 2021, 198, 117154.	5.3	50
1219	The future evolution of energy-water-agriculture interconnectivity across the US. <i>Environmental Research Letters</i> , 2021, 16, 065010.	2.2	11
1220	Synthetic trees for enhanced solar evaporation and water harvesting. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	9
1221	Water scarcity & procedural justice in Honduras: Community-based management meets market-based policy. <i>World Development</i> , 2021, 142, 105451.	2.6	12
1222	Fog Collection Based on Secondary Electrohydrodynamic-Induced Hybrid Structures with Anisotropic Hydrophilicity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27575-27585.	4.0	9

#	ARTICLE	IF	CITATIONS
1223	Wettability Contrast in the Hexagonally Patterned Gold Substrate of Distinct Morphologies for Enhanced Fog Harvesting. <i>Langmuir</i> , 2021, 37, 8281-8289.	1.6	14
1224	Dual-Phase Photothermal Evaporator for Antisalt Accumulation and Highly Efficient Solar Steam Generation. <i>Advanced Functional Materials</i> , 2021, 31, 2102618.	7.8	226
1225	PVDF Composite Membranes with Hydrophobically-Capped CuONPs for Direct-Contact Membrane Distillation. <i>Nanomaterials</i> , 2021, 11, 1497.	1.9	5
1226	Exploiting radiative cooling for uninterrupted 24-hour water harvesting from the atmosphere. <i>Science Advances</i> , 2021, 7, .	4.7	100
1227	Applied Research Note: Development of a novel low flow water monitoring system in poultry/agriculture systems. <i>Journal of Applied Poultry Research</i> , 2021, 30, 100151.	0.6	1
1228	Hydrological cycle and water resources in a changing world: A review. <i>Geography and Sustainability</i> , 2021, 2, 115-122.	1.9	81
1229	Life cycle water footprint comparison of biomass-to-hydrogen and coal-to-hydrogen processes. <i>Science of the Total Environment</i> , 2021, 773, 145056.	3.9	21
1230	Optimal Implementation of Wastewater Reuse in Existing Sewerage Systems to Improve Resilience and Sustainability in Water Supply Systems. <i>Water (Switzerland)</i> , 2021, 13, 2004.	1.2	7
1231	Institutional analysis of top-down regulatory: evidence from Iran local governance. <i>Water Policy</i> , 2021, 23, 930-945.	0.7	3
1232	Drivers of biodiversity loss in freshwater environments: A bibliometric analysis of the recent literature. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 2469-2480.	0.9	21
1233	Asymmetric fibers for efficient fog harvesting. <i>Chemical Engineering Journal</i> , 2021, 415, 128944.	6.6	42
1234	Adsorption-based atmospheric water harvesting. <i>Joule</i> , 2021, 5, 1678-1703.	11.7	165
1235	Tailoring the asymmetric structure of polyamide reverse osmosis membrane with self-assembled aromatic nanoparticles for high-efficient removal of organic micropollutants. <i>Chemical Engineering Journal</i> , 2021, 416, 129080.	6.6	35
1236	Determinants of the acceptance of domestic use of recycled water by use type. <i>Sustainable Production and Consumption</i> , 2021, 27, 575-586.	5.7	20
1237	Considering the Fate of Evaporated Water Across Basin Boundaries—Implications for Water Footprinting. <i>Environmental Science & Technology</i> , 2021, 55, 10231-10242.	4.6	5
1238	Climate change water vulnerability and adaptation mechanism in a Himalayan City, Nainital, India. <i>Environmental Science and Pollution Research</i> , 2022, 29, 85904-85921.	2.7	8
1239	Community-based monitoring to facilitate water management by local institutions in Costa Rica. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
1240	Lizard-Skin-Inspired Nanofibrous Capillary Network Combined with a Slippery Surface for Efficient Fog Collection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36587-36594.	4.0	18

#	ARTICLE	IF	CITATIONS
1241	Seawater desalination by reverse osmosis: Current development and future challenges in membrane fabrication " A review. <i>Journal of Membrane Science</i> , 2021, 629, 119292.	4.1	231
1242	One-Step Preparation of Hydrophobic Surfaces Containing Hydrophilic Groups for Efficient Water Harvesting. <i>Langmuir</i> , 2021, 37, 9630-9636.	1.6	9
1243	High performance carbonized corncob-based 3D solar vapor steam generator enhanced by environmental energy. <i>Carbon</i> , 2021, 179, 337-347.	5.4	70
1244	Changes in Pumping-Induced Groundwater Quality Used to Supply a Large-Capacity Brackish-Water Desalination Facility, Collier County, Florida: A New Aquifer Conceptual Model. <i>Water (Switzerland)</i> , 2021, 13, 1951.	1.2	3
1245	Statistical Analysis of Green Laboratory Practice Survey: Conservation on Non-Distilled Water from Distillation Process. <i>Water (Switzerland)</i> , 2021, 13, 2018.	1.2	2
1246	The feasibility of solar-powered small-scale brackish water desalination units in a coastal aquifer prone to saltwater intrusion: A comparison between electrodialysis reversal and reverse osmosis. <i>Journal of Environmental Management</i> , 2021, 290, 112604.	3.8	13
1247	Precipitation and yield of spring wheat in the semiarid zone of Orenburg Cis-Urals. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 817, 012009.	0.2	0
1248	Simulation-Guided Design of Bamboo Leaf-Derived Carbon-Based High-Efficiency Evaporator for Solar-Driven Interface Water Evaporation. <i>Energy and Environmental Materials</i> , 2022, 5, 1323-1331.	7.3	35
1249	Effects of climate change and land-use changes on spatiotemporal distributions of blue water and green water in Ningxia, Northwest China. <i>Journal of Arid Land</i> , 2021, 13, 674-687.	0.9	14
1250	Design and Utilization of Infrared Light for Interfacial Solar Water Purification. <i>ACS Energy Letters</i> , 2021, 6, 2645-2657.	8.8	29
1251	A critical review on water quality index tool: Genesis, evolution and future directions. <i>Ecological Informatics</i> , 2021, 63, 101299.	2.3	47
1252	Structure development of carbon-based solar-driven water evaporation systems. <i>Science Bulletin</i> , 2021, 66, 1472-1483.	4.3	118
1253	3D Printing a Biomimetic Bridge-Arch Solar Evaporator for Eliminating Salt Accumulation with Desalination and Agricultural Applications. <i>Advanced Materials</i> , 2021, 33, e2102443.	11.1	172
1254	Developing a paradigm model for the analysis of farmers' adaptation to water scarcity. <i>Environment, Development and Sustainability</i> , 2022, 24, 5400-5425.	2.7	18
1255	Identifying sectoral impacts on global scarce water uses from multiple perspectives. <i>Journal of Industrial Ecology</i> , 2021, 25, 1503-1517.	2.8	12
1256	Performance characterization and application of composite adsorbent LiCl@ACFF for moisture harvesting. <i>Scientific Reports</i> , 2021, 11, 14412.	1.6	12
1257	Refined water security assessment for sustainable water management: A case study of 15 key cities in the Yangtze River Delta, China. <i>Journal of Environmental Management</i> , 2021, 290, 112588.	3.8	20
1258	Molecular Engineering of Hydrogels for Rapid Water Disinfection and Sustainable Solar Vapor Generation. <i>Advanced Materials</i> , 2021, 33, e2102994.	11.1	105

#	ARTICLE	IF	CITATIONS
1259	Impact Classification of Future Land Use and Climate Changes on Flow Regimes in the Yellow River Source Region, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034064.	1.2	5
1260	X-Fe (X = Mn, Co, Cu) Prussian Blue Analogue-Modified Carbon Cloth Electrodes for Capacitive Deionization. <i>ACS Applied Energy Materials</i> , 2021, 4, 8275-8284.	2.5	37
1261	Historical values of water and carbon intensity of global electricity production. <i>Environmental Research: Infrastructure and Sustainability</i> , 2021, 1, 025001.	0.9	4
1262	Novel PVDF membrane with sandwich structure for enhanced membrane distillation. <i>Chemical Engineering Journal</i> , 2021, 415, 128960.	6.6	19
1263	Alternate wetting and drying irrigation combined with the proportion of polymer-coated urea and conventional urea rates increases grain yield, water and nitrogen use efficiencies in rice. <i>Field Crops Research</i> , 2021, 268, 108165.	2.3	38
1265	Self-Repairing and Damage-Tolerant Hydrogels for Efficient Solar-Powered Water Purification and Desalination. <i>Advanced Functional Materials</i> , 2021, 31, 2104464.	7.8	93
1266	Assessing the Impact of Management Options on Water Allocation in River Mubuku-Sebwe Sub-Catchments of Lake Edward-George Basin, Western Uganda. <i>Water (Switzerland)</i> , 2021, 13, 2009.	1.2	2
1267	Can capacitive deionization outperform reverse osmosis for brackish water desalination?. <i>Cleaner Engineering and Technology</i> , 2021, 3, 100102.	2.1	11
1268	Desalination of Complex Multi-Ionic Solutions by Reverse Osmosis at Different pH Values, Temperatures, and Compositions. <i>ACS Omega</i> , 2021, 6, 19946-19955.	1.6	4
1269	Summer and winter precipitation in East Asia scale with global warming at different rates. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	14
1270	Recalculating Australian water scarcity characterisation factors using the AWARE method. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 1687-1701.	2.2	6
1272	Water resources constraints in achieving silk production self-sufficiency in India. <i>Advances in Water Resources</i> , 2021, 154, 103962.	1.7	1
1273	Microgroove-Structured PDA/PEI/PPy@PI-MS Photothermal Aerogel with a Multilevel Water Transport Network for Highly Salt-Rejecting Solar-Driven Interfacial Evaporation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40531-40542.	4.0	52
1274	Improving seawater desalination efficiency by solar driven interfacial evaporation based on biochar evaporator of <i>Nannochloropsis oculata</i> residue. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105787.	3.3	17
1275	Multi-bioinspired and Multistructural Integrated Patterned Nanofibrous Surface for Spontaneous and Efficient Fog Collection. <i>Nano Letters</i> , 2021, 21, 7806-7814.	4.5	33
1276	Analysis of integrated membrane distillation-heat pump system for water desalination. <i>Desalination</i> , 2021, 510, 115087.	4.0	19
1277	The role of soils in regulation and provision of blue and green water. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200175.	1.8	45
1278	AquaCrop-OSP: Bridging the gap between research and practice in crop-water modeling. <i>Agricultural Water Management</i> , 2021, 254, 106976.	2.4	24

#	ARTICLE	IF	CITATIONS
1279	A novel submerged photocatalytic oscillatory membrane reactor for water polishing. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105562.	3.3	17
1280	Aquaporin-incorporated Graphene-Oxide Membrane for Pressurized Desalination with Superior Integrity Enabled by Molecular Recognition. <i>Advanced Science</i> , 2021, 8, e2101882.	5.6	13
1281	Natural and anthropogenic sources of salinity in the Awash River and Lake Beseka (Ethiopia): Modelling impacts of climate change and lake-river interactions. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100865.	1.0	8
1282	Sea Level Rise Mitigation by Global Sea Water Desalination Using Renewable-Energy-Powered Plants. <i>Sustainability</i> , 2021, 13, 9552.	1.6	10
1283	A Rapid Adsorption and Portable Photothermal MIL-101(Cr) Nanofibrous Composite Membrane Fabricated by Spray Electrospinning for Atmosphere Water Harvesting. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	8
1284	Prediction of Plant Nutrition State of Rice under Water-Saving Cultivation and Panicle Fertilization Application Decision Making. <i>Agronomy</i> , 2021, 11, 1626.	1.3	2
1285	Water Use Efficiency: A Review of Contextual and Behavioral Factors. <i>Frontiers in Water</i> , 2021, 3, .	1.0	6
1286	Hydropower and environmental sustainability: A holistic assessment using multiple biophysical indicators. <i>Ecological Indicators</i> , 2021, 127, 107748.	2.6	5
1287	Water Insecurity is Associated with Lack of Viral Suppression and Greater Odds of AIDS-Defining Illnesses Among Adults with HIV in Western Kenya. <i>AIDS and Behavior</i> , 2022, 26, 549-555.	1.4	10
1288	Which diet has the lower water footprint in Mediterranean countries?. <i>Resources, Conservation and Recycling</i> , 2021, 171, 105631.	5.3	25
1289	Recent advances of thin film nanocomposite membranes: Effects of shape/structure of nanomaterials and interfacial polymerization methods. <i>Chemical Engineering Research and Design</i> , 2021, 172, 135-158.	2.7	29
1290	Global assessment of future sectoral water scarcity under adaptive inner-basin water allocation measures. <i>Science of the Total Environment</i> , 2021, 783, 146973.	3.9	38
1291	Heat Safety in the Workplace: Modified Delphi Consensus to Establish Strategies and Resources to Protect the US Workers. <i>GeoHealth</i> , 2021, 5, e2021GH000443.	1.9	23
1292	The natural assurance value of nature-based solutions: A layered institutional analysis of socio ecological systems for long term climate resilient transformation. <i>Ecological Economics</i> , 2021, 186, 107053.	2.9	8
1293	Improvement of nanostructured electrospun membranes for desalination by membrane distillation technology. <i>Desalination</i> , 2021, 510, 115086.	4.0	27
1294	Mapping socio-ecological resilience along the seven economic corridors of the Belt and Road Initiative. <i>Journal of Cleaner Production</i> , 2021, 309, 127341.	4.6	11
1295	Feasibility of Rainwater Harvesting and Consumption in a Middle Eastern Semiarid Urban Area. <i>Water (Switzerland)</i> , 2021, 13, 2130.	1.2	19
1296	The spatial effects of city-level water-energy nexus: A case study of Hebei Province, China. <i>Journal of Cleaner Production</i> , 2021, 310, 127497.	4.6	18

#	ARTICLE	IF	CITATIONS
1297	Chlorine-Resistant Epoxide-Based Membranes for Sustainable Water Desalination. <i>Environmental Science and Technology Letters</i> , 2021, 8, 818-824.	3.9	12
1298	Future global urban water scarcity and potential solutions. <i>Nature Communications</i> , 2021, 12, 4667.	5.8	463
1299	Carbon nanomaterials treated by combination of oxidation and flash for highly efficient solar water evaporation. <i>Chemosphere</i> , 2021, 277, 130248.	4.2	30
1300	A self-floating, salt-resistant 3D Janus radish-based evaporator for highly efficient solar desalination. <i>Desalination</i> , 2021, 510, 115093.	4.0	67
1301	Is there a forest-water-nexus for Mexican temperate forests?. <i>Ecohydrology and Hydrobiology</i> , 2021, 22, 1-1.	1.0	0
1302	Evaluation of the influence on water consumption and water scarcity of different healthy diet scenarios. <i>Journal of Environmental Management</i> , 2021, 291, 112687.	3.8	27
1303	Toxic wastewater status for irrigation usage at Gazipur and Savar industrial vicinity of Bangladesh. <i>Acta Ecologica Sinica</i> , 2021, 41, 358-364.	0.9	16
1304	Analysis on the Variation of Hydro-Meteorological Variables in the Yongding River Mountain Area Driven by Multiple Factors. <i>Remote Sensing</i> , 2021, 13, 3199.	1.8	5
1305	Experimental and numerical analysis of solar still using Pyrex glass quantum dot in tropical climate. <i>International Journal of Energy Research</i> , 2022, 46, 937-951.	2.2	10
1306	Recovery of Water from Secondary Effluent through Pilot Scale Ultrafiltration Membranes: Implementation at Patrasâ€™ Wastewater Treatment Plant. <i>Membranes</i> , 2021, 11, 663.	1.4	6
1307	Membrane Materials for Selective Ion Separations at the Waterâ€™Energy Nexus. <i>Advanced Materials</i> , 2021, 33, e2101312.	11.1	100
1308	Model predictive control of a Venlo-type greenhouse system considering electrical energy, water and carbon dioxide consumption. <i>Applied Energy</i> , 2021, 298, 117163.	5.1	16
1309	WaterROUTE: A model for cost optimization of industrial water supply networks when using water resources with varying salinity. <i>Water Research</i> , 2021, 202, 117390.	5.3	9
1310	Can grain virtual water flow reduce environmental impacts? Evidence from China. <i>Journal of Cleaner Production</i> , 2021, 314, 127970.	4.6	12
1311	Resilience Through Systems Thinking for Water Infrastructure. <i>Water Resources Development and Management</i> , 2022, , 41-67.	0.3	1
1312	Universal Strategy to Prepare a Flexible Photothermal Absorber Based on Hierarchical Fe-MOF-74 toward Highly Efficient Solar Interfacial Seawater Desalination. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45944-45956.	4.0	34
1313	Changes in Unevenness of Wetâ€™Day Precipitation Over China During 1961â€™2020. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034483.	1.2	6
1314	High permeability composite nanofiltration membrane assisted by introducing TpPa covalent organic frameworks interlayer with nanorods for desalination and NaCl/dye separation. <i>Separation and Purification Technology</i> , 2021, 270, 118802.	3.9	53

#	ARTICLE	IF	CITATIONS
1315	Sustainability assessment of agriculture production systems in Pakistan: A provincial-scale energy-based evaluation. <i>Ecological Modelling</i> , 2021, 455, 109654.	1.2	11
1316	Electrophoretic nuclei assembly of MOFs in polyamide membranes for enhanced nanofiltration. <i>Desalination</i> , 2021, 512, 115125.	4.0	22
1317	Nanoarchitectonics of Metal-Organic Frameworks for Capacitive Deionization via Controlled Pyrolyzed Approaches. <i>Small</i> , 2022, 18, e2102477.	5.2	35
1318	Trade-offs between water needs for food, utilities, and the environment—a nexus quantification at different scales. <i>Environmental Research Letters</i> , 2021, 16, 115003.	2.2	5
1319	Round-the-clock water harvesting from dry air using a metal-organic framework. <i>Chinese Journal of Chemical Engineering</i> , 2022, 49, 170-177.	1.7	5
1320	A scalable, cost-effective and salt-rejecting MoS ₂ /SA@melamine foam for continuous solar steam generation. <i>Nano Energy</i> , 2021, 87, 106213.	8.2	99
1321	Generalized nighttime radiative deficits. <i>Journal of Hydrology</i> , 2021, 603, 126971.	2.3	4
1322	Role of proteases in the response of plants to drought. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 1-9.	2.8	10
1323	Continuous Solar Desalination of Brackish Water via a Monolithically Integrated Redox Flow Device. <i>ACS ES&T Engineering</i> , 2021, 1, 1678-1687.	3.7	16
1324	Feasibility of the Hybrid Use of <i>Chlorella vulgaris</i> Culture with the Conventional Biological Treatment in Urban Wastewater Treatment Plants. <i>Processes</i> , 2021, 9, 1640.	1.3	7
1325	Multibioinspired Wetttable Patterned Slippery Surface for Efficient Water Harvesting. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100691.	1.9	6
1326	Boosting Capacitive Deionization Performance of Commercial Carbon Fibers Cloth via Structural Regulation Based on Catalytic Etching Effect. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	7
1327	System dynamic modelling for assessing the vulnerability of water resources: a case of Chennai City, Tamil Nadu, India. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	3
1328	Multifunctional cotton with PANI-Ag NPs heterojunction for solar-driven water evaporation. <i>Journal of Hazardous Materials</i> , 2022, 424, 127367.	6.5	17
1329	Understanding the trends in Denmark's global food trade-related greenhouse gas and resource footprint. <i>Journal of Cleaner Production</i> , 2021, 313, 127785.	4.6	7
1330	Ozark Graphene Nanopore for Efficient Water Desalination. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11256-11263.	1.2	26
1331	External-field-induced directional droplet transport: A review. <i>Advances in Colloid and Interface Science</i> , 2021, 295, 102502.	7.0	22
1332	Recent advancements in the application of new monomers and membrane modification techniques for the fabrication of thin film composite membranes: A review. <i>Reactive and Functional Polymers</i> , 2021, 166, 105015.	2.0	43

#	ARTICLE	IF	CITATIONS
1333	Antibacterial thin film nanocomposite forward osmosis membranes produced by in-situ reduction of selenium nanoparticles. <i>Chemical Engineering Research and Design</i> , 2021, 153, 403-412.	2.7	6
1334	Dynamics of water condensation on a switchable surface originated from molecular orientations. <i>Physical Review E</i> , 2021, 104, 034701.	0.8	0
1335	Multibioinspired JANUS Membranes with Spatial Surface Refreshment for Enhanced Fog Collection. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101212.	1.9	7
1336	An LCA framework to assess environmental efficiency of water reuse: Application to contrasted locations for wastewater reuse in agriculture. <i>Journal of Cleaner Production</i> , 2021, 316, 128151.	4.6	24
1337	Aplicação da destilação solar na potabilização de águas contaminadas. <i>Research, Society and Development</i> , 2021, 10, e322101119644.	0.0	0
1338	Sustainable water planning and management research in Saudi Arabia: a data-driven bibliometric analysis. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	11
1339	Highly Efficient Solar Vapor Generation via a Simple Morphological Alteration of TiO ₂ Films Grown on a Glassy Carbon Foam. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50911-50919.	4.0	16
1340	Direct generation of an ultrathin (8.5Ånm) polyamide film with ultrahigh water permeance via in-situ interfacial polymerization on commercial substrate membrane. <i>Journal of Membrane Science</i> , 2021, 634, 119450.	4.1	46
1341	Recent progress on sorption/desorption-based atmospheric water harvesting powered by solar energy. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111233.	3.0	45
1342	Water-energy-carbon nexus in China's intra and inter-regional trade. <i>Science of the Total Environment</i> , 2022, 806, 150666.	3.9	34
1343	Electrochemical removal of amphoteric ions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	21
1344	Photovoltaic-multistage desalination of hypersaline waters for simultaneous electricity, water and salt harvesting via automatic rinsing. <i>Nano Energy</i> , 2021, 87, 106163.	8.2	30
1345	Atomic-level engineering of anisotropically nanoporous graphyne membranes for efficient water desalination. <i>Applied Surface Science</i> , 2021, 559, 149977.	3.1	8
1346	Evaluation of agricultural water-saving effects in the context of water rights trading: An empirical study from China's water rights pilots. <i>Journal of Cleaner Production</i> , 2021, 313, 127725.	4.6	21
1347	Virtual water trade and its implications on water sustainability. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 1704-1715.	1.0	14
1348	Water footprints of irrigated crop production and meteorological driving factors at multiple temporal scales. <i>Agricultural Water Management</i> , 2021, 255, 107014.	2.4	13
1349	Comprehensive evaluation of effects of various carbon-rich amendments on tomato production under continuous saline water irrigation: Overall soil quality, plant nutrient uptake, crop yields and fruit quality. <i>Agricultural Water Management</i> , 2021, 255, 106995.	2.4	17
1350	Spatial and Temporal Differentiation of the Tourism Water Footprint in Mainland China and Its Influencing Factors. <i>Sustainability</i> , 2021, 13, 10396.	1.6	3

#	ARTICLE	IF	CITATIONS
1351	Homeowner perceptions of watering restriction scenarios in the Minneapolis-St. Paul Metropolitan area. <i>Crop, Forage and Turfgrass Management</i> , 0, , e20131.	0.2	2
1353	The key drivers for the changes in global water scarcity: Water withdrawal versus water availability. <i>Journal of Hydrology</i> , 2021, 601, 126658.	2.3	73
1354	Enhanced removal efficiency of heavy metal ions by assembling phytic acid on polyamide nanofiltration membrane. <i>Journal of Membrane Science</i> , 2021, 636, 119591.	4.1	50
1355	Optimization of constant-current operation in membrane capacitive deionization (MCDI) using variable discharging operations. <i>Water Research</i> , 2021, 204, 117646.	5.3	17
1356	A nature-inspired suspended solar evaporator for water desalination of high-salinity brines. <i>Chemical Engineering Journal</i> , 2021, 421, 129824.	6.6	47
1357	Thin film composite forward osmosis membranes based on thermally treated PAN hydrophilized PVDF electrospun nanofiber substrates for improved performance. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106240.	3.3	15
1358	Effectiveness of solar water disinfection in the era of COVID-19 (SARS-CoV-2) pandemic for contaminated water/wastewater treatment considering UV effect and temperature. <i>Journal of Water Process Engineering</i> , 2021, 43, 102224.	2.6	28
1359	Recent progress of energy harvesting and conversion coupled with atmospheric water gathering. <i>Energy Conversion and Management</i> , 2021, 246, 114668.	4.4	29
1360	Environmental performance of bioplastic packaging on fresh food produce: A consequential life cycle assessment. <i>Journal of Cleaner Production</i> , 2021, 317, 128377.	4.6	34
1361	Real-time computational imaging of reverse osmosis membrane scaling under intermittent operation. <i>Journal of Membrane Science</i> , 2021, 636, 119556.	4.1	6
1362	A projects portfolio selection for water security addressing future increasing water demand and salinity intrusion in Zhuhai City, coastal China. <i>Journal of Contaminant Hydrology</i> , 2021, 242, 103846.	1.6	2
1363	Achieving the tradeoffs between pollutant discharge and economic benefit of the Henan section of the South-to-North Water Diversion Project through water resources-environment system management under uncertainty. <i>Journal of Cleaner Production</i> , 2021, 321, 128857.	4.6	18
1364	Enhancing China's Three Red Lines strategy with water consumption limitations. <i>Science Bulletin</i> , 2021, 66, 2057-2060.	4.3	11
1365	A salt-free superhydrophilic metal-organic framework photothermal textile for portable and efficient solar evaporator. <i>Solar Energy Materials and Solar Cells</i> , 2021, 231, 111329.	3.0	23
1366	Additional surface-water deficit to meet global universal water accessibility by 2030. <i>Journal of Cleaner Production</i> , 2021, 320, 128829.	4.6	11
1367	Doping of inosine in guanosine dihydrate and its effects on reversible water harvesting property. <i>Materials Chemistry and Physics</i> , 2021, 271, 124883.	2.0	0
1368	Effects of climate and land cover changes on water availability in a Brazilian Cerrado basin. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100931.	1.0	15
1369	Identifying critical sectors and supply chain paths for virtual water and energy-related water trade in China. <i>Applied Energy</i> , 2021, 299, 117294.	5.1	10

#	ARTICLE	IF	CITATIONS
1370	Conductive polyethersulfone membrane facilely prepared by simultaneous phase inversion method for enhanced anti-fouling and separation under low driven-pressure. <i>Journal of Environmental Management</i> , 2021, 297, 113363.	3.8	10
1371	Phase change material enhanced sustained and energy-efficient solar-thermal water desalination. <i>Applied Energy</i> , 2021, 301, 117463.	5.1	35
1372	A bio-inspired nanocomposite membrane with improved light-trapping and salt-rejecting performance for solar-driven interfacial evaporation applications. <i>Nano Energy</i> , 2021, 89, 106443.	8.2	75
1373	Exploring solutions to alleviate the regional water stress from virtual water flows in China. <i>Science of the Total Environment</i> , 2021, 796, 148971.	3.9	11
1374	Conductive Fe ₃ O ₄ /PANI@PTFE membrane for high thermal efficiency in interfacial induction heating membrane distillation. <i>Nano Energy</i> , 2021, 89, 106339.	8.2	26
1375	Improving Information-Based Coordinated Operations in Interbasin Water Transfer Megaprojects: Case Study in Southern India. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	7
1376	Life cycle assessment of greywater treatment systems for water-reuse management in rural areas. <i>Science of the Total Environment</i> , 2021, 795, 148687.	3.9	14
1377	Inference of the spatio-temporal variability and storage potential of groundwater in data-deficient regions through groundwater models and inversion of impact factors on groundwater, as exemplified by the Lake Victoria Basin. <i>Science of the Total Environment</i> , 2021, 800, 149355.	3.9	7
1378	Evaluation of the influence of filter medium composition on treatment performances in an open-air green wall fed with greywater. <i>Journal of Environmental Management</i> , 2021, 300, 113646.	3.8	14
1379	Design of zinc oxide nanoparticles and graphene hydrogel co-incorporated activated carbon for efficient capacitive deionization. <i>Separation and Purification Technology</i> , 2021, 277, 119428.	3.9	19
1380	Water security assessment with the improvement of modifying the boundary consistency between footprint and provision. <i>Science of the Total Environment</i> , 2021, 801, 149639.	3.9	9
1381	Highly efficient, rapid, and concurrent removal of toxic heavy metals by the novel 2D hybrid LDHâ€“[Sn ₂ S ₆]. <i>Chemical Engineering Journal</i> , 2021, 426, 131696.	6.6	24
1382	The suitability of water scarcity indicators to the Indian context. <i>Water Security</i> , 2021, 14, 100097.	1.2	2
1383	Electroless Niâ€“Snâ€“P plating to fabricate nickel alloy coated polypropylene membrane with enhanced performance. <i>Journal of Membrane Science</i> , 2021, 640, 119820.	4.1	72
1384	Trade-related water scarcity risk under the Belt and Road Initiative. <i>Science of the Total Environment</i> , 2021, 801, 149781.	3.9	13
1385	Reducing the fluid fluctuation of three-cylinder ERD by optimizing the overlap function and improving the resistance loss uniformity. <i>Desalination</i> , 2021, 518, 115301.	4.0	2
1386	Preparation of MS/MIL-101(Cr) composite material and its properties of atmospheric water collection. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122572.	1.4	3
1387	Impact of best management practices on sustainable crop production and climate resilience in smallholder farming systems of South Asia. <i>Agricultural Systems</i> , 2021, 194, 103276.	3.2	23

#	ARTICLE	IF	CITATIONS
1388	Low porosity, high areal-capacity Prussian blue analogue electrodes enhance salt removal and thermodynamic efficiency in symmetric Faradaic deionization with automated fluid control. <i>Water Research X</i> , 2021, 13, 100116.	2.8	12
1389	Monitoring framework for the use of natural resources in Germany. <i>Resources, Conservation and Recycling</i> , 2021, 175, 105858.	5.3	4
1390	Graphene oxide/silica composite nanofiltration membrane: Adjustment of the channel of water permeation. <i>Separation and Purification Technology</i> , 2021, 278, 119440.	3.9	21
1391	An environmental energy-enhanced solar steam evaporator derived from MXene-decorated cellulose acetate cigarette filter with ultrahigh solar steam generation efficiency. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 748-757.	5.0	93
1393	Exploiting the Coandăf effect for wind-driven reciprocating RO desalination. <i>Energy</i> , 2022, 238, 121963.	4.5	5
1394	Simulating the economic and environmental effects of integrated policies in energy-carbon-water nexus of China. <i>Energy</i> , 2022, 238, 121783.	4.5	24
1395	Fiber-intercepting-particle structured MOF fabrics for simultaneous solar vapor generation and organic pollutant adsorption. <i>Chemical Engineering Journal</i> , 2022, 428, 131365.	6.6	37
1396	Electrostatic fog collection mechanism and design of an electrostatic fog collector with nearly perfect fog collection efficiency. <i>Chemical Engineering Science</i> , 2022, 247, 117034.	1.9	22
1397	Stable and efficient self-sustained photoelectrochemical desalination based on CdS QDs/BiVO ₄ heterostructure. <i>Chemical Engineering Journal</i> , 2022, 429, 132168.	6.6	18
1398	Creating ultrahigh surface area functional carbon from biomass for high performance supercapacitor and facile removal of emerging pollutants. <i>Chemical Engineering Journal</i> , 2022, 427, 131477.	6.6	59
1399	An assessment of the urban water footprint and blue water scarcity: A case study for Van (Turkey). <i>Brazilian Journal of Biology</i> , 2021, 82, e249745.	0.4	6
1400	Water environmental pressure assessment in agricultural systems in Central Asia based on an Integrated Excess Nitrogen Load Model. <i>Science of the Total Environment</i> , 2022, 803, 149912.	3.9	10
1401	Using crude residual glycerol as precursor of sustainable activated carbon electrodes for capacitive deionization desalination. <i>Chemical Engineering Journal</i> , 2022, 429, 132209.	6.6	33
1402	Layered double hydroxide-modified membranes for water treatment: Recent advances and prospects. <i>Chemosphere</i> , 2022, 287, 132140.	4.2	68
1403	Synthesis of polydopamine coated tungsten oxide@ poly(vinylidene fluoride-co-hexafluoropropylene) electrospun nanofibers as multifunctional membranes for water applications. <i>Chemical Engineering Journal</i> , 2022, 427, 131021.	6.6	37
1404	Achieving steam and electrical power from solar energy by MoS ₂ -based composites. <i>Chemical Engineering Journal</i> , 2022, 427, 131008.	6.6	55
1405	A critical review on porous substrates of TFC polyamide membranes: Mechanisms, membrane performances, and future perspectives. <i>Journal of Membrane Science</i> , 2022, 641, 119871.	4.1	167
1406	Metabolic engineering of osmoprotectants to elucidate the mechanism(s) of salt stress tolerance in crop plants. <i>Planta</i> , 2021, 253, 24.	1.6	18

#	ARTICLE	IF	CITATIONS
1407	Crop Establishment in Direct-Seeded Rice: Traits, Physiology, and Genetics. , 2021, , 171-202.		2
1408	Unlocking Water Issues Towards Food Security in Africa. , 0, , .		2
1409	Thermal-facilitated interfacial polymerization toward high-performance polyester desalination membrane. Journal of Materials Chemistry A, 2021, 9, 8470-8479.	5.2	40
1410	Formation of S defects in MoS ₂ -coated wood for high-efficiency seawater desalination. Environmental Science: Nano, 2021, 8, 2069-2080.	2.2	16
1411	Ultra-high solar steam generation rate of a vertically aligned reduced graphene oxide foam realized by dynamic compression. Journal of Materials Chemistry A, 2021, 9, 14859-14867.	5.2	79
1412	Laser-induced graphene for environmental applications: progress and opportunities. Materials Chemistry Frontiers, 2021, 5, 4874-4891.	3.2	35
1413	Hexagonal cluster Mn-MOF nanoflowers with super-hydrophilic properties for efficient and continuous solar-driven clean water production. Sustainable Energy and Fuels, 2021, 5, 1995-2002.	2.5	22
1414	Process modelling and life cycle assessment coupled with experimental work to shape the future sustainable production of chemicals and fuels. Reaction Chemistry and Engineering, 2021, 6, 1179-1194.	1.9	34
1415	Global Water Resources: Distribution and Demand. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-11.	0.0	11
1416	Water Security. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1351-1359.	0.0	0
1417	Water Resources Management: Integrated and Adaptive Decision Making. , 2021, , 365-381.		4
1418	Primer on behavioral economics. , 2021, , 1-72.		0
1419	Strain Improvement and Mass Production of Beneficial Microorganisms for Their Environmental and Agricultural Benefit. Microorganisms for Sustainability, 2021, , 1-19.	0.4	1
1420	Is irrigation driven by the price of internationally traded agricultural products?. Q Open, 2021, 1, .	0.7	0
1421	Hydrological Modelling for Water Resource Management in a Semi-Arid Mountainous Region Using the Soil and Water Assessment Tool: A Case Study in Northern Afghanistan. Hydrology, 2021, 8, 16.	1.3	15
1422	Low-resistance monovalent-selective cation exchange membranes prepared using molecular layer deposition for energy-efficient ion separations. RSC Advances, 2021, 11, 2427-2436.	1.7	10
1423	Landsat time series reveal simultaneous expansion and intensification of irrigated dry season cropping in Southeastern Turkey. Journal of Land Use Science, 2021, 16, 94-110.	1.0	8
1424	MIL-160(Al) MOF's potential in adsorptive water harvesting. Adsorption, 2021, 27, 213-226.	1.4	18

#	ARTICLE	IF	CITATIONS
1426	Modes of exploitation of atmospheric water resources in the Qinghai-Tibet plateau. <i>International Journal of Climatology</i> , 2021, 41, 3237-3246.	1.5	8
1427	Multi-Criteria Decision-Making Methods to Address Water Allocation Problems: A Systematic Review. <i>Water (Switzerland)</i> , 2021, 13, 125.	1.2	37
1428	Hybrid water vapor sorbent design with pollution shielding properties: extracting clean water from polluted bulk water sources. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14731-14740.	5.2	23
1429	Synergistic solar-powered water-electricity generation via rational integration of semitransparent photovoltaics and interfacial steam generators. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21197-21208.	5.2	28
1430	Preparation of Stable Hydrophilic Polyethyleneimine Cross-Linked Graphene Oxide/Titanium Dioxide Membranes for Dye Separation. <i>Nano</i> , 2021, 16, 2150008.	0.5	4
1431	Salt-Rejecting Solar Interfacial Evaporation. <i>Cell Reports Physical Science</i> , 2021, 2, 100310.	2.8	76
1432	Passive, high-efficiency thermally-localized solar desalination. <i>Energy and Environmental Science</i> , 2021, 14, 1771-1793.	15.6	142
1433	Biomass-Derived Hybrid Hydrogel Evaporators for Cost-Effective Solar Water Purification. <i>Advanced Materials</i> , 2020, 32, e1907061.	11.1	436
1434	Advances in Solar-Driven Hygroscopic Water Harvesting. <i>Global Challenges</i> , 2021, 5, 2000085.	1.8	28
1435	Conservation planning in an uncertain climate: Identifying projects that remain valuable and feasible across future scenarios. <i>People and Nature</i> , 2021, 3, 221-235.	1.7	5
1436	Healthy waterways and ecologically sustainable cities in Beijing-Tianjin-Hebei urban agglomeration (northern China): Challenges and future directions. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1500.	2.8	18
1437	Current and Future Water Scarcity and Stress. <i>Springer Water</i> , 2019, , 13-25.	0.2	23
1438	Sparking an Interest in Local Water Issues: Social Media as an Enabler for (Hyper)local Community Engagement in Environmental Issues and the Role of Solution Journalism. , 2020, , 223-245.		2
1439	Disinfection: A Trade-Off Between Microbial and Chemical Risks. , 2020, , 211-228.		2
1441	Water, Energy and Food Security: Pillars for Zero Hunger. , 2019, , 37-60.		3
1442	Changes in agricultural virtual water in Central Asia, 1992-2016. <i>Journal of Chinese Geography</i> , 2020, 30, 1909-1920.	1.5	6
1443	Application of geospatial technology for delineating groundwater potential zones in the Gandheswari watershed, West Bengal. <i>Sustainable Water Resources Management</i> , 2020, 6, 1.	1.0	51
1444	Energy projection of the seawater battery desalination system using the reverse osmosis system analysis model. <i>Chemical Engineering Journal</i> , 2020, 395, 125082.	6.6	31

#	ARTICLE	IF	CITATIONS
1445	Pilot-scale membrane capacitive deionisation for effective bromide removal and high water recovery in seawater desalination. <i>Desalination</i> , 2020, 479, 114309.	4.0	40
1446	Novel solar membrane distillation enabled by a PDMS/CNT/PVDF membrane with localized heating. <i>Desalination</i> , 2020, 489, 114529.	4.0	116
1447	Variable renewable energy sources for powering reverse osmosis desalination, with a case study of wave powered desalination for Kilifi, Kenya. <i>Desalination</i> , 2020, 494, 114669.	4.0	35
1448	Water borrowing is consistently practiced globally and is associated with water-related system failures across diverse environments. <i>Global Environmental Change</i> , 2020, 64, 102148.	3.6	32
1449	The water-land-food nexus of natural rubber production. <i>Journal of Cleaner Production</i> , 2018, 172, 1739-1747.	4.6	40
1450	Virtual water scarcity risk in China. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104886.	5.3	50
1451	Derivation of the Theoretical Minimum Energy of Separation of Desalination Processes. <i>Journal of Chemical Education</i> , 2020, 97, 4361-4369.	1.1	50
1452	An introduction to achieving policy impact for early career researchers. <i>Palgrave Communications</i> , 2018, 4, .	4.7	83
1453	Changes to anthropogenic pressures on reach-scale rivers in South and Southeast Asia from 1990 to 2014. <i>Environmental Research Letters</i> , 2021, 16, 014025.	2.2	6
1454	Factors Affecting Membrane Distillation Process for Seawater Desalination. <i>Journal of Applied Membrane Science & Technology</i> , 2018, 22, .	0.3	3
1455	Multi-spatial contamination of environmental aquatic matrices with <i>Cryptosporidium</i> : a climate, health, and regulatory framework for the Philippines. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	9
1456	The nexus between improved water supply and water-borne diseases in urban areas in Africa: a scoping review protocol. <i>AAS Open Research</i> , 2020, 3, 12.	1.5	8
1457	The burden of typhoid fever in low- and middle-income countries: A meta-regression approach. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005376.	1.3	212
1459	Anthropogenic drying in central-southern Chile evidenced by long-term observations and climate model simulations. <i>Elementa</i> , 2018, 6, .	1.1	94
1460	Watershed Management in Action: Lessons Learned From FAO Field Projects. <i>Mountain Research and Development</i> , 2019, 39, .	0.4	7
1461	Landscape models to support sustainable intensification of agroecological systems. <i>Burleigh Dodds Series in Agricultural Science</i> , 2019, , 321-354.	0.1	1
1462	Freshwater: Towards a Better Understanding of a Wicked Problem. <i>Environmental Science and Sustainable Development</i> , 2020, 5, 48.	0.0	8
1463	Wpływ oczyszczalni ścieków na redukcję zanieczyszczeń, odprowadzanych w czeskiej części dorzecza Odry. <i>Scientific Review Engineering and Environmental Sciences</i> , 2020, 29, 123-135.	0,2	3

#	ARTICLE	IF	CITATIONS
1464	Water scarcity: regional analyses in the Czech Republic from 2014 to 2018. <i>Oeconomia Copernicana</i> , 2020, 11, 161-181.	2.4	6
1466	Framing the End: Analyzing Media and Meaning Making During Cape Town's Day Zero. <i>Frontiers in Communication</i> , 2020, 5, .	0.6	4
1467	An Integrated Approach to Determining the Capacity of Ecosystems to Supply Ecosystem Services into Life Cycle Assessment for a Carbon Capture System. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 622.	1.3	5
1468	Place-Based Citizen Science for Assessing Risk Perception and Coping Capacity of Households Affected by Multiple Hazards. <i>Sustainability</i> , 2021, 13, 302.	1.6	10
1469	The Development of Molecularly Imprinted Polymers in the Clean-Up of Water Pollutants: A Review. <i>American Journal of Analytical Chemistry</i> , 2019, 10, 202-226.	0.3	25
1470	The Implication of Unreliable Urban Water Supply Service: The Case of Vendor Water Cost in Langata Sub County, Nairobi City, Kenya. <i>Journal of Water Resource and Protection</i> , 2019, 11, 896-935.	0.3	6
1471	Groundwater Quality Analysis for Human Consumption: A Case Study of Sukkur City, Pakistan. <i>Engineering, Technology & Applied Science Research</i> , 2018, 8, 2616-2620.	0.8	18
1472	GRUN: an observation-based global gridded runoff dataset from 1902 to 2014. <i>Earth System Science Data</i> , 2019, 11, 1655-1674.	3.7	144
1473	Simulating human impacts on global water resources using VIC-5. <i>Geoscientific Model Development</i> , 2020, 13, 5029-5052.	1.3	16
1474	Prediction of Water Demand Using Artificial Neural Networks Models and Statistical Model. <i>International Journal of Intelligent Systems and Applications</i> , 2019, 11, 40-55.	0.9	5
1476	Post-synthetically modified metal-organic frameworks for sensing and capture of water pollutants. <i>Dalton Transactions</i> , 2021, 50, 17832-17850.	1.6	22
1477	Agroecology for Agricultural Soil Management. , 2021, , 267-321.		1
1478	CONFLICTS BY WATER RESOURCE USE AND THE CASE OF ARARAQUARA-SP. <i>Ambiente & Sociedade</i> , 0, 24, .	0.5	1
1479	Climate Change Vulnerability and Agroecosystem Services. , 2021, , 163-195.		1
1480	Solar-driven brine desalination and concentration by controlled salt excretion. <i>EcoMat</i> , 2021, 3, .	6.8	14
1481	Are water-centric themes in sustainable tourism research congruent with the UN Sustainable Development Goals?. <i>Journal of Sustainable Tourism</i> , 2022, 30, 1821-1836.	5.7	20
1482	An improved water-harvesting cycle. <i>Science</i> , 2021, 374, 402-402.	6.0	6
1483	A techno-economic analysis of membrane-based advanced treatment processes for the reuse of municipal wastewater. <i>Journal of Water Reuse and Desalination</i> , 2021, 11, 705-725.	1.2	9

#	ARTICLE	IF	CITATIONS
1484	Optimal virtual water flows for improved food security in water-scarce countries. <i>Scientific Reports</i> , 2021, 11, 21027.	1.6	16
1485	Assessment of Water Quality Regulation Functions in Southwestern Europe Watersheds. <i>Water (Switzerland)</i> , 2021, 13, 2980.	1.2	1
1486	Water harvesting from desert soil via interfacial solar heating under natural sunlight. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1986-1992.	5.0	7
1487	Polymeric materials for solar water purification. <i>Journal of Polymer Science</i> , 2021, 59, 3084-3099.	2.0	21
1488	Surface Water Storage in Rivers and Wetlands Derived from Satellite Observations: A Review of Current Advances and Future Opportunities for Hydrological Sciences. <i>Remote Sensing</i> , 2021, 13, 4162.	1.8	26
1489	Controversy over the Use of "Shade Covers" to Avoid Water Evaporation in Water Reservoirs. <i>Sustainability</i> , 2021, 13, 11234.	1.6	7
1490	Efficient dye degradation, antimicrobial behavior and molecular docking analysis of gold (Au) and cellulose nanocrystals (CNC)-doped strontium oxide nanocomposites. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 933-950.	5.3	12
1491	Sustainable Cellulose Aerogel from Waste Cotton Fabric for High-Performance Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49860-49867.	4.0	39
1492	Charge-driven interaction for adsorptive removal of organic dyes using ionic liquid-modified graphene oxide. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1973-1985.	5.0	27
1493	Light-responsive bilayered hydrogel for freshwater production from surface soil moisture. <i>EcoMat</i> , 2021, 3, e12144.	6.8	8
1494	Quantifying impacts of climate dynamics and land-use changes on water yield service in the agro-pastoral ecotone of northern China. <i>Science of the Total Environment</i> , 2022, 809, 151153.	3.9	38
1495	Freshwater discharge from the large and coastal peninsular rivers of India: A reassessment for sustainable water management. <i>Environmental Science and Pollution Research</i> , 2022, 29, 14400-14417.	2.7	6
1496	2D Material Nanofiltration Membranes: From Fundamental Understandings to Rational Design. <i>Advanced Science</i> , 2021, 8, e2102493.	5.6	29
1497	Challenges and opportunities in productivity and sustainability of rice cultivation system: a critical review in Indian perspective. <i>Cereal Research Communications</i> , 2022, 50, 573-601.	0.8	30
1498	Impacts of catchment restoration on water availability and drought resilience in Ethiopia: A meta-analysis. <i>Land Degradation and Development</i> , 2022, 33, 547-564.	1.8	4
1499	Estimation of Long-Term River Discharge and Its Changes in Ungauged Watersheds in Pamir Plateau. <i>Remote Sensing</i> , 2021, 13, 4043.	1.8	6
1500	Estimativa de vazão da Água condensada proveniente de aparelhos condicionadores de ar. <i>Research, Society and Development</i> , 2021, 10, e104101321100.	0.0	0
1501	Fresh and hardened properties of five non-potable water mixed and cured concrete: A comprehensive review. <i>Construction and Building Materials</i> , 2021, 309, 125089.	3.2	13

#	ARTICLE	IF	CITATIONS
1502	A review on various designs for performance improvement of passive solar stills for remote areas. <i>Solar Energy</i> , 2021, 228, 594-611.	2.9	23
1503	Voltage loss breakdown in desalination fuel cells. <i>Electrochemistry Communications</i> , 2021, 132, 107136.	2.3	8
1504	Kinetics and isotherms of adsorption of fluoride onto Fe ₃ O ₄ /graphene/alginate nanocomposite hydrogel. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100590.	1.7	2
1505	Blue water footprint caps per sub-catchment to mitigate water scarcity in a large river basin: The case of the Yellow River in China. <i>Journal of Hydrology</i> , 2021, 603, 126992.	2.3	14
1506	Performance analysis of a novel solar desalination system – Part 2: The unit with sensible energy storage with thermal insulation and cooling system. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101674.	1.7	4
1507	Bioinspired topological design of super hygroscopic complex for cost-effective atmospheric water harvesting. <i>Nano Energy</i> , 2021, 90, 106642.	8.2	57
1508	Material performance and cost effectiveness of seawater-mixed rubberized concrete. <i>Case Studies in Construction Materials</i> , 2021, 15, e00735.	0.8	3
1509	A Joint Model for Water Scarcity Evaluation. <i>Lecture Notes in Computer Science</i> , 2017, , 11-20.	1.0	0
1510	Đ“Đ»Đ¾Đ±Đ°Đ»ŃĈĐ½Ń– Đ²Đ,Đ°Đ»Đ,Đ°Đ, ŃŃfŃ±Đ°ŃĐ½Đ¾ŃŃ,Ń–: Đ¿ŃĈĐ¾Đ±Đ»ĐµĐ¼Đ° Đ°Đ»Đ°ŃĐ,Ń,,Ń–Đ°ĐŃ±Ń–Ń– Ń,Đ° Đ,		
1511	REVISÃO SOBRE TÉCNICAS E TRATAMENTOS DE ÁGUAS PARA REUSO DOMÉSTICO. <i>Geoambiente on-line</i> , 2017, , .	0.1	1
1512	Drenched Fields and Parched Farms. , 2017, , 19-34.		0
1513	Water in the Balance. , 2017, , 9-17.		0
1514	Going with the Flow: The Policy Challenge. , 2017, , 61-78.		0
1515	Investigation of sustainable national water resources management of India in a changing climate. , 0, , .		0
1516	A REVIEW OF CURRENT SITUATION AND PROBLEMS OF WATER RESOURCES IN SHANGHAI. <i>International Journal of Scientific and Engineering Research</i> , 2017, 8, 1711-1718.	0.1	0
1517	Virtual Water Flow at County-Level of the Heihe River Basin in China. <i>Ecohydrology</i> , 2018, , 1-26.	0.2	0
1518	Water and Water Security. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2018, , 138-145.	0.3	0
1520	Water safety from the national security aspect. <i>Megatrend Revija</i> , 2018, 15, 73-94.	0.0	1

#	ARTICLE	IF	CITATIONS
1542	Wireless water usage monitoring system for home / small premises. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 15, 704.	0.7	3
1543	HISTORICAL REVIEW OF EXISTING COASTAL RESERVOIRS AND ITS APPLICATIONS. , 2019, , .		1
1545	Water Security for a Sustainable Planet. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-11.	0.0	0
1546	Water Security in Poland. Conceptualization and General Constitutional Conditions. Przegląd Prawa Konstytucyjnego, 2019, 52, 415-431.	0.0	0
1547	Determination of the Water Footprint of the Staff and Students at Yenisey Campus of Ardahan University. Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2019, 12, 1526-1536.	0.1	5
1549	Sensors and Biosorption for Better Reuse of Wastewater. Advances in Intelligent Systems and Computing, 2020, , 321-330.	0.5	0
1551	How to Purify a Polluted Lake Quickly? A Case Study from Shanghai, China. Journal of Water Resource and Protection, 2020, 12, 835-852.	0.3	2
1553	Outlining Process Monitoring and Fault Detection in a Wastewater Treatment and Reuse System. , 2020, , .		2
1554	The nexus between water sufficiency and water-borne diseases in cities in Africa: a scoping review protocol. AAS Open Research, 2020, 3, 12.	1.5	9
1555	Optimization of solar-driven systems for off-grid water nanofiltration and electrification. Reviews on Environmental Health, 2020, 35, 211-217.	1.1	0
1556	A REVIEW OF HUMIDIFICATION-DEHUMIDIFICATION DESALINATION SYSTEMS. International Journal of Research -GRANTHAALAYAH, 2020, 8, 290-311.	0.1	2
1557	Disputas por el oro azul: gobernanza hídrica y salud pública. Revista De Salud Publica, 2019, 21, 1-7.	0.0	5
1558	Interfaces de transmissão e spillover do coronavírus entre florestas e cidades. Estudos Avancados, 2020, 34, 191-208.	0.2	4
1559	Optimal Operation of Coastal Source-Load-Storage System with Seawater Desalination based on NSGA-III. , 2020, , .		0
1560	Effects of the Policy and Human Intervention on the Infrastructure-Environment Nexus in China. Sustainability, 2020, 12, 7279.	1.6	0
1561	Absolute and Fast Removal of Viruses and Bacteria from Water by Spraying-Assembled Carbon-Nanotube Membranes. Environmental Science & Technology, 2021, 55, 15206-15214.	4.6	10
1562	Long-term migration trends and rising temperatures: the role of irrigation. Journal of Environmental Economics and Policy, 2022, 11, 307-330.	1.5	4
1563	Do environmental regulation and urbanization help decouple economic growth from water consumption at national and subnational scales in China?. Environmental Science and Pollution Research, 2022, 29, 19473-19495.	2.7	6

#	ARTICLE	IF	CITATIONS
1564	Assessing the influence of integrating soil amendment applications with saline water irrigation on Ajwain's yield and water productivity. <i>Irrigation Science</i> , 2022, 40, 71-85.	1.3	5
1565	Surfaces with Adjustable Features—Effective and Durable Materials for Water Desalination. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11743.	1.8	1
1566	Solvent and pH Stability of Poly(styrene-alt-maleic acid) (PSaMA) Membranes Prepared by Aqueous Phase Separation (APS). <i>Membranes</i> , 2021, 11, 835.	1.4	1
1567	The environmental flows implementation challenge: Insights and recommendations across water-limited systems. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, e1565.	2.8	22
1568	Importance of adding woodchips to local amendments for improving soil health and increasing yield in severely degraded soils of Northern China. <i>Soil Research</i> , 2020, 58, 478.	0.6	1
1569	Optimizing Bacterial Cellulose Production Towards Materials for Water Remediation. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2020, , 391-403.	0.2	5
1570	SÄRDÄLEBÄR ET RETÄMÄ°. <i>GÄ±da</i> , 0, , 134-151.	0.1	2
1571	Spatio-temporal Fusion Model of Natural Gas Pipeline Condition Monitoring Based on Convolutional Neural Network and Long Short-term Memory Neural Network. , 2020, , .		2
1573	The Prut River under Climate Change and Hydropower Impact. <i>Sustainability</i> , 2021, 13, 66.	1.6	2
1574	Evaluation of AquaCrop model of cucumber under greenhouse cultivation. <i>Journal of Agricultural Science</i> , 2020, 158, 845-854.	0.6	5
1575	Overview of Climate Change Management in a Developing Country, India. , 2021, , 3013-3030.		0
1576	Enhanced monovalent over divalent cation selectivity with polyelectrolyte multilayers in membrane capacitive deionization via optimization of operational conditions. <i>Desalination</i> , 2022, 522, 115391.	4.0	12
1577	When Good Waters Go Bad. , 2022, , 1044-1061.		0
1578	An efficient and scalable strategy for ultrablack-paint-enabled solar-driven steam generation. <i>Solar Energy Materials and Solar Cells</i> , 2022, 234, 111436.	3.0	14
1579	Tapping wastewater resource: why and how?. , 2022, , 125-146.		3
1580	Efficient anisotropic desalination by layer-stacked black phosphorus carbide (Î±-PC) membrane. <i>Desalination</i> , 2022, 522, 115422.	4.0	9
1581	Direct-drive ocean wave-powered batch reverse osmosis. <i>Desalination</i> , 2022, 523, 115393.	4.0	15
1582	Omnifarious performance promotion of the TFC NF membrane prepared with hyperbranched polyester intervened interfacial polymerization. <i>Journal of Membrane Science</i> , 2022, 642, 119984.	4.1	35

#	ARTICLE	IF	CITATIONS
1583	Femtosecond laser direct weaving bioinspired superhydrophobic/hydrophilic micro-pattern for fog harvesting. Optics and Laser Technology, 2022, 146, 107593.	2.2	18
1585	Interactive Systems in Nutrition: Perspectives from Epidemiology, Veterinary Science, Nutrition, Anthropology, and Community Health. , 2020, , 51-66.		0
1587	Application of Gas Hydrate Based Technique in Wastewater Treatment - A Mini Review. , 0, , .		1
1588	The Ecological Crisis, Apocalypticism, and the Internalization of Unfreedom. World Review of Political Economy, 2020, 11, .	0.4	0
1589	Water and Soil. , 2020, , 65-96.		0
1590	Soil Health Restoration to Address Food and Water Security. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-10.	0.0	0
1591	A Quota for Water. , 2020, , 181-196.		0
1592	Water Security for a Sustainable Planet. Encyclopedia of the UN Sustainable Development Goals, 2020, , 969-980.	0.0	0
1595	Changes of Water Quality in the Yangtze River Basin. , 2020, , 31-55.		0
1596	Climate Change, Water Security, and Conflict Potentials in South Africa: Assessing Conflict and Coping Strategies in Rural South Africa. , 2021, , 1775-1792.		0
1597	Use of polyacrylic acid hydrogel in the desalination of seawater of Haql coast of Saudi Arabia. Egyptian Journal of Chemistry, 2020, .	0.1	0
1598	Agroforestry: An effective multi-dimensional mechanism for achieving Sustainable Development Goals. Ecological Questions, 2020, 31, 63.	0.1	3
1599	Comparative Analysis of Sensors for Soil Moisture Measurement. , 2021, , .		2
1601	Cornstarch-based, Biodegradable Superabsorbent Polymer to Improve Water Retention, Reduce Nitrate Leaching, and Result in Improved Tomato Growth and Development. Hortscience: A Publication of the American Society for Horticultural Science, 2021, 56, 1486-1493.	0.5	9
1602	Opportunities and challenges for implementing managed aquifer recharge models in drought-prone Barind tract, Bangladesh. Applied Water Science, 2021, 11, 1.	2.8	14
1603	Improving the Scientific Understanding of the Paradox of Irrigation Efficiency: An Integrated Modeling Approach to Assessing Basinâ€scale Irrigation Efficiency. Water Resources Research, 2021, 57, e2020WR029397.	1.7	8
1605	Performance Evaluation and Characterization of a Direct Absorption Solar Humidifier for Humidificationâ€Dehumidification Desalination. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.1	7
1606	When Good Waters Go Bad. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 22-45.	0.3	0

#	ARTICLE	IF	CITATIONS
1607	Water desalination, serum magnesium and dementia: a population-based study. <i>Journal of Water and Health</i> , 2020, 18, 722-727.	1.1	3
1608	Trading water: virtual water flows through interstate cereal trade in India. <i>Environmental Research Letters</i> , 2020, 15, 125005.	2.2	10
1609	Water efficiency in Malaysian commercial buildings: a green initiative and cost-benefit approach. <i>International Journal of Building Pathology and Adaptation</i> , 2021, 39, 702-719.	0.7	4
1610	Soil Health Restoration to Address Food and Water Security. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2021, , 951-960.	0.0	0
1611	Synergies Between Climate Change, Biodiversity, Ecosystem Function and Services, Indirect Drivers of Change and Human Well-Being in Forests. , 2021, , 263-320.		2
1612	Living Standards of Communities Worldwide. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2021, , 1-11.	0.0	0
1613	Watershed-Based Management for Sustainable Freshwater Resources. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2021, , 1-12.	0.0	0
1614	Water security and nutrition. , 2021, , .		0
1615	A floating vapor condensation structure in a heat-localized solar evaporation system for facile solar desalination. <i>Applied Thermal Engineering</i> , 2022, 201, 117834.	3.0	31
1616	Understanding Water-Food-Energy Nexus in the Climate Change Era and the Roadmap to Implementation in South Africa. , 2022, , 332-353.		0
1617	A comprehensive review of MXene-based water-treatment membranes and technologies: Recent progress and perspectives. <i>Desalination</i> , 2022, 522, 115448.	4.0	53
1618	Climate Change and Water Security. , 2022, , 1420-1431.		0
1619	Water wave vibration-promoted solar evaporation with super high productivity. <i>Nano Energy</i> , 2022, 92, 106745.	8.2	14
1620	Recyclable and efficient ocean biomass-derived hydrogel photothermal evaporator for thermally-localized solar desalination. <i>Desalination</i> , 2022, 523, 115449.	4.0	45
1621	Ultrasonic assisted anchoring of Yb ₂ O ₃ nanorods on In ₂ S ₃ nanoflowers for norfloxacin degradation and Cr(VI) reduction in water: Kinetics and degradation pathway. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 127969.	2.3	15
1622	Assessing water circularity in cities: Methodological framework with a case study. <i>Resources, Conservation and Recycling</i> , 2022, 178, 106042.	5.3	16
1623	Current Situation and Potential of Seawater Desalination Loads to Consume Renewable Energy. , 2021, , .		0
1624	Design and development of Air to Water Generator for the Village in Kerala, India. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
1625	Spatiotemporal variation and periodic evolution characteristics of groundwater in the Xining area of China, eastern Qinghai-Tibet Plateau. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	3
1626	The number of people exposed to water stress in relation to how much water is reserved for the environment: a global modelling study. <i>Lancet Planetary Health</i> , The, 2021, 5, e766-e774.	5.1	17
1627	Genome of the estuarine oyster provides insights into climate impact and adaptive plasticity. <i>Communications Biology</i> , 2021, 4, 1287.	2.0	29
1628	Highly Elastic Interconnected Porous Hydrogels through Self-Assembled Templating for Solar Water Purification. <i>Angewandte Chemie</i> , 2022, 134, e202114074.	1.6	16
1629	Antibacterial nanocellulose membranes coated with silver nanoparticles for oil/water emulsions separation. <i>Carbohydrate Polymers</i> , 2022, 278, 118929.	5.1	30
1630	Selection of Water-Saving Plants and Annual Water Consumption Estimation for Garden Green Spaces in Beijing. <i>Forests</i> , 2021, 12, 1572.	0.9	2
1631	Ionic strength directed self-assembled polyelectrolyte single-bilayer membrane for low-pressure nanofiltration. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 699-708.	2.3	1
1632	Nanofiltration for drinking water treatment: a review. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 681-698.	2.3	77
1633	Evolutionary algorithm applications for IoTs dedicated to precise irrigation systems: state of the art. <i>Evolutionary Intelligence</i> , 2023, 16, 383-400.	2.3	2
1634	Solar-driven enhanced chemical adsorption and interfacial evaporation using porous graphene-based spherical composites. <i>Chemosphere</i> , 2022, 291, 133013.	4.2	6
1635	Biologically Enhanced Coagulation-Ultrafiltration Process for Healthy Water Production with Low Fouling Propensity. <i>ACS ES&T Engineering</i> , 2022, 2, 78-91.	3.7	7
1636	Impact of seawater desalination and wastewater treatment on water stress levels and greenhouse gas emissions: The case of Chile. <i>Science of the Total Environment</i> , 2022, 818, 151853.	3.9	17
1637	Performance Analysis of a Novel Cascade Vapor Compression System for Small-Scale Desalination and Cooling. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2022, 144, .	1.4	2
1638	Sunflower-Stalk-Based Solar-Driven Evaporator with a Confined 2D Water Channel and an Enclosed Thermal-Insulating Cellular Structure for Stable and Efficient Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55299-55306.	4.0	17
1639	A systematic review for performance augmentation of solar still with heat storage materials: A state of art. <i>Journal of Energy Storage</i> , 2022, 47, 103578.	3.9	30
1640	Emerging Nano-Structured Metal Oxides for Detoxification of Organic Pollutants Towards Environmental Remediation: Overview and Future Aspects. <i>Environmental Chemistry for A Sustainable World</i> , 2022, , 151-186.	0.3	0
1641	Highly Elastic Interconnected Porous Hydrogels through Self-Assembled Templating for Solar Water Purification. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114074.	7.2	70
1642	Effects of land use and climate change on water scarcity in rivers of the Western Ghats of India. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 820.	1.3	9

#	ARTICLE	IF	CITATIONS
1643	A review on recent advances and challenges of ionic wind produced by corona discharges with practical applications. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 153002.	1.3	17
1644	Water Poverty Indices of three rural communities in the southern Caribbean. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 3158-3177.	1.0	2
1645	Diatom-Inspired TiO ₂ -PANI-Decorated Bilayer Photothermal Foam for Solar-Driven Clean Water Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58124-58133.	4.0	34
1646	A Qualitative Exploration in Causes of Water Insecurity Experiences, and Gender and Nutritional Consequences in South-Punjab, Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12534.	1.2	12
1647	State-of-the-Art Ceramic Membranes for Oily Wastewater Treatment: Modification and Application. <i>Membranes</i> , 2021, 11, 888.	1.4	22
1648	Micropatterned Thin-Film Composite Poly(piperazine-amide) Nanofiltration Membranes for Wastewater Treatment. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6653-6665.	2.0	18
1649	Solar-Initiated Frontal Polymerization of Photothermic Hydrogels with High Swelling Properties for Efficient Water Evaporation. <i>Solar Rrl</i> , 2022, 6, 2100917.	3.1	10
1650	Quality determinates of rice price in open bag markets in Sub-Saharan Africa. <i>Journal of Agribusiness in Developing and Emerging Economies</i> , 2023, 13, 361-378.	1.2	4
1651	Design of a Separated Solar Interfacial Evaporation System for Simultaneous Water and Salt Collection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59518-59526.	4.0	26
1652	Water-“Food”-Energy Nexus in the Context of Climate Change: Developing a Water Security Index for Water Resource Management in Vietnam. , 2022, , 611-629.		2
1653	Design of high-performance biomimetic reverse osmosis membranes by introducing loose liposome as an artificial water channel. <i>Chemical Engineering Journal</i> , 2022, 431, 133878.	6.6	23
1654	A 3D-macroporous pomelo peel foam based on anti-shrinkage properties of MnOx for solar water purification. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106890.	3.3	5
1655	Nature Inspired MXene-Decorated 3D Honeycomb-Fabric Architectures Toward Efficient Water Desalination and Salt Harvesting. <i>Nano-Micro Letters</i> , 2022, 14, 10.	14.4	104
1656	Templated synthesis enhances the cobalt adsorption capacity of a porous organic polymer. <i>Nanoscale</i> , 2022, 14, 299-304.	2.8	3
1657	Engineered nanomaterials for water treatment. , 2021, , .		0
1658	Omniphobic Membranes: Fundamentals, Materials, and Applications. <i>Chemistry in the Environment</i> , 2021, , 184-206.	0.2	0
1659	Substitution, natural capital and sustainability. <i>Journal of Integrative Environmental Sciences</i> , 2021, 18, 115-142.	1.0	6
1660	The Humanitarian Atom: The Role of Nuclear Power in Addressing the United Nations Sustainable Development Goals. , 2022, , 271-298.		1

#	ARTICLE	IF	CITATIONS
1661	Kinetic Studies for the Remediation of Some Nutrients and Heavy Metals from Real Wastewater onto Carbon Nanotubes. <i>Journal of Environmental Engineering and Science</i> , 0, , 1-10.	0.3	0
1662	Climate and land change impacts on future managed wetland habitat: a case study from California's Central Valley. <i>Landscape Ecology</i> , 2022, 37, 861-881.	1.9	6
1663	A re-assessment of metal pollution in the Dexing mining area in Jiangxi province, China: current status, hydro-geochemical controls, and effectiveness of remediation practices. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 10707-10722.	1.8	6
1664	Hydrogel supported positively charged ultrathin polyamide layer with antimicrobial properties via Ag modification. <i>Separation and Purification Technology</i> , 2022, 284, 120295.	3.9	16
1665	Thin-film composite nanofiltration membranes with poly (amidoxime) as organic interlayer for effective desalination. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107015.	3.3	9
1666	Spatiotemporal analysis of interactions between seasonal water, climate, land use, policy, and socioeconomic changes: Hulun-Buir Steppe as a Case Study. <i>Water Research</i> , 2022, 209, 117937.	5.3	10
1667	The emerging development of solar evaporators in materials and structures. <i>Chemosphere</i> , 2022, 289, 133210.	4.2	22
1668	Effects of production fragmentation and inter-provincial trade on spatial blue water consumption and scarcity patterns in China. <i>Journal of Cleaner Production</i> , 2022, 334, 130186.	4.6	5
1669	Synergistic effects of ozone/peroxymonosulfate for isothiazolinone biocides degradation: Kinetics, synergistic performance and influencing factors. <i>Environmental Pollution</i> , 2022, 294, 118626.	3.7	18
1670	Development and characterization of LiCl supported composite sorbents for adsorption desalination. <i>Applied Thermal Engineering</i> , 2022, 203, 117953.	3.0	16
1671	One-pot green synthesis of poly(hexamethylenediamine-tannic acid)-bacterial cellulose composite for the reduction, immobilization, and recovery of Cr(VI). <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107026.	3.3	10
1672	A framework of freshwater services flow model into assessment on water security and quantification of transboundary flow: A case study in northeast China. <i>Journal of Environmental Management</i> , 2022, 304, 114318.	3.8	10
1673	Fog collection behavior of bionic surface and large fog collector: A review. <i>Advances in Colloid and Interface Science</i> , 2022, 300, 102583.	7.0	31
1674	Experimental and kinetic modeling study of multistage freezing-melting process and salt rejection of seawater. <i>Cold Regions Science and Technology</i> , 2022, 194, 103457.	1.6	12
1675	Predicting capacitive deionization processes using an electrolytic-capacitor (ELC) model: 2D dynamics, leakages, and multi-ion solutions. <i>Desalination</i> , 2022, 525, 115493.	4.0	14
1676	Particle size distribution influence on capacitive deionization: Insights for electrode preparation. <i>Desalination</i> , 2022, 525, 115503.	4.0	17
1677	Shape-controlled fabrication of cost-effective, scalable and anti-biofouling hydrogel foams for solar-powered clean water production. <i>Chemical Engineering Journal</i> , 2022, 431, 134144.	6.6	40
1678	Global diagnosis of nitrate pollution in groundwater and review of removal technologies. <i>Science of the Total Environment</i> , 2022, 810, 152233.	3.9	158

#	ARTICLE	IF	CITATIONS
1679	Polyelectrolyte-based photothermal hydrogel with low evaporation enthalpy for solar-driven salt-tolerant desalination. <i>Chemical Engineering Journal</i> , 2022, 431, 134224.	6.6	82
1680	Design strategy and economic analysis on various configurations of stand-alone PV-RO systems. <i>Desalination</i> , 2022, 526, 115547.	4.0	12
1681	Spatio-temporal variations of salinity and analysis of desalination factors in a Chinese coastal storage reservoir. <i>Chemical Engineering Research and Design</i> , 2022, 159, 26-35.	2.7	0
1682	Modeling seasonal soil moisture dynamics in gley soils in relation to groundwater table oscillations in eastern Croatia. <i>Catena</i> , 2022, 211, 105987.	2.2	3
1683	Enhanced capacitive removal of hardness ions by hierarchical porous carbon cathode with high mesoporosity and negative surface charges. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 277-286.	5.0	9
1684	Hierarchically structured evaporator with integrated water supply and evaporation layers to retard salt accumulation. <i>International Journal of Heat and Mass Transfer</i> , 2022, 185, 122447.	2.5	19
1685	Nanotexturing-enhanced heat transfer and interfacial evaporation for energy-efficient solar-thermal water desalination. <i>International Journal of Heat and Mass Transfer</i> , 2022, 186, 122462.	2.5	11
1686	Water Conflicts in Urbanizing Regions in the Himalaya: Case Studies from Dhulikhel and Bidur in Nepal. , 2019, 5, 49-73.		2
1687	Securing Water in the Rapidly Urbanising Global South: Insights from Critical Analysis of "Sectoral Policies"™ in Nepal. , 2020, 6, 9-31.		3
1688	Introduction to Membrane Desalination. , 2020, , 1-15.		0
1689	Software-Defined Decentralized Domestic Wastewater Treatment: 1st Milestone. , 2020, , .		2
1690	Preliminary Analysis of Photovoltaic-Powered Electrodialysis for In-Home Water Desalination in Rural India. , 2020, , .		0
1691	Effects of the Relative Humidity on the Performance of Thermoelectric Freshwater Generator using Solar Power Source. , 2020, , .		0
1692	Ultrathin Polyamide Membranes Enabled by Spin-Coating Assisted Interfacial Polymerization for High-Flux Nanofiltration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1693	Ultrathin Polyamide Membranes Enabled by Spin-Coating Assisted Interfacial Polymerization for High-Flux Nanofiltration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1694	Enhanced adsorption-based atmospheric water harvesting using a photothermal cotton rod for freshwater production in cold climates. <i>RSC Advances</i> , 2021, 11, 35695-35702.	1.7	9
1695	Urban Water Security: A Comparative Assessment and Policy Analysis of Five Cities in Diverse Developing Countries of Asia. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1696	Exploring of Polyethylene Membrane as a Porous Support for High-Performance Polyamide TFC Reverse Osmosis Membranes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1697	Liter-Scale Atmospheric Water Harvesting for Dry Climates Driven by Low Temperature Solar Heat. SSRN Electronic Journal, 0, , .	0.4	0
1698	Ultrathin Polyamide Membranes Enabled by Spin-Coating Assisted Interfacial Polymerization for High-Flux Nanofiltration. SSRN Electronic Journal, 0, , .	0.4	0
1700	Overview of the Methodology Developments in Water-Energy Nexus Studies. , 2021, , .		1
1701	Explaining water security indicators using hydrologic and agricultural systems models. Journal of Hydrology, 2022, 607, 127463.	2.3	18
1702	Global water security: A shining star in the dark sky of achieving the sustainable development goals. , 2022, 1, 100005.		29
1703	A Stable Bilayer Polypyrroleâ€Sorghum Straw Evaporator for Efficient Solar Steam Generation and Desalination. Advanced Sustainable Systems, 2022, 6, 2100342.	2.7	13
1704	A comparative Appraisal of Classical and Holistic Water Scarcity Indicators. Water Resources Management, 2022, 36, 931-950.	1.9	17
1705	Climate change extreme and seasonal toxic metal occurrence in Romanian freshwaters in the last two decadesâ€ case study and critical review. Npj Clean Water, 2022, 5, .	3.1	17
1706	Translational Platform for Increasing Water Use Efficiency in Agriculture: Comparative Analysis of Plantation Crops. Water Resources Management, 2022, 36, 571-587.	1.9	2
1707	Tailoring the Salt Transport Flux of Solar Evaporators for a Highly Effective Salt-Resistant Desalination with High Productivity. ACS Nano, 2022, 16, 2511-2520.	7.3	64
1708	A dual-biomimetic knitted fabric with a manipulable structure and wettability for highly efficient fog harvesting. Journal of Materials Chemistry A, 2021, 10, 304-312.	5.2	24
1709	Desalination Characteristics of Cellulose Acetate FO Membrane Incorporated with ZIF-8 Nanoparticles. Membranes, 2022, 12, 122.	1.4	13
1710	Multi-objective optimization of water resources allocation in Han River basin (China) integrating efficiency, equity and sustainability. Scientific Reports, 2022, 12, 798.	1.6	16
1711	Endangering the Climate. , 2022, , 415-462.		0
1712	Monitoring and analysis of crop irrigation dynamics in Central Italy through the use of MODIS NDVI data. European Journal of Remote Sensing, 2022, 55, 23-36.	1.7	4
1713	Complex climate and network effects on internal migration in South Africa revealed by a network model. Population and Environment, 2022, 43, 289-318.	1.3	5
1714	Polyzwitterionic Hydrogels for Efficient Atmospheric Water Harvesting. Angewandte Chemie, 2022, 134, .	1.6	11
1715	Performance Evaluation and Water Availability of Canal Irrigation Scheme in Punjab Pakistan. Water (Switzerland), 2022, 14, 405.	1.2	5

#	ARTICLE	IF	CITATIONS
1716	Hybrid Organic-Inorganic Membranes for Photocatalytic Water Remediation. <i>Catalysts</i> , 2022, 12, 180.	1.6	15
1717	Tunable TiO ₂ -Pd nanofibers by combining electrospinning and atomic layer deposition to enhance photodegradation of acetaminophen. <i>Dalton Transactions</i> , 2022, 51, 2674-2695.	1.6	31
1718	When Collaborative Water Governance Meets Authoritarian Environmentalism: The Dilemma of Safe Water Supply Project in Coal Mining Villages of China's Shanxi Province. <i>Sustainability</i> , 2022, 14, 1277.	1.6	2
1719	Loofah Sponge-Derived Hygroscopic Photothermal Absorber for All-Weather Atmospheric Water Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4680-4689.	4.0	29
1720	Solar-driven water treatment: generation II technologies. , 2022, , 119-200.		5
1721	Metal-free functionalized carbonized cotton for efficient solar steam generation and wastewater treatment. <i>RSC Advances</i> , 2021, 12, 1043-1050.	1.7	11
1722	Global Water Scarcity Assessment Incorporating Green Water in Crop Production. <i>Water Resources Research</i> , 2022, 58, .	1.7	19
1723	Hyperstable and compressible plant fibers/chitosan aerogel as portable solar evaporator. <i>Solar Energy</i> , 2022, 231, 828-836.	2.9	17
1724	An Analysis of Agricultural Production Efficiency of Yangtze River Economic Belt Based on a Three-Stage DEA Malmquist Model. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 958.	1.2	17
1725	Investigating the performance of dish solar distiller with phase change material mixed with Al ₂ O ₃ nanoparticles under different water depths. <i>Environmental Science and Pollution Research</i> , 2022, 29, 28115-28126.	2.7	25
1726	Polyzwitterionic Hydrogels for Efficient Atmospheric Water Harvesting. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	95
1727	Bioinspired Topological Surfaces for Mitigating Water, Thermal and Energy Crises. <i>Accounts of Materials Research</i> , 2022, 3, 199-212.	5.9	6
1728	Water Footprints, Intra-National Virtual Water Flows, and Associated Sustainability Related to Pork Production and Consumption: A Case for China. <i>Water Resources Research</i> , 2022, 58, .	1.7	9
1729	Spatiotemporal drought occurrences in the semi-closed Raya graben along the northern Ethiopian Rift Valley. <i>Singapore Journal of Tropical Geography</i> , 2022, 43, 85-107.	0.6	2
1730	Water Footprint Assessment: towards water-wise food systems. , 2022, , 63-88.		2
1731	Heterogeneous photo-Fenton-like degradation of emerging pharmaceutical contaminants in wastewater using Cu-doped MgO nanoparticles. <i>Applied Catalysis A: General</i> , 2022, 630, 118468.	2.2	13
1732	Repurposing face mask waste to construct floating photothermal evaporator for autonomous solar ocean farming. <i>EcoMat</i> , 2022, 4, .	6.8	89
1733	Solar-Driven Airflow-Enhanced All-Daytime Solar Steam Generation Based on Inverse-Bowl-Shaped Graphene Aerogels. <i>Energy Technology</i> , 2022, 10, .	1.8	9

#	ARTICLE	IF	CITATIONS
1734	Super Water-Extracting Gels for Solar-Powered Volatile Organic Compounds Management in the Hydrological Cycle. <i>Advanced Materials</i> , 2022, 34, e2110548.	11.1	50
1735	Enhanced Atmospheric Water Harvesting with Sunlight-Activated Sorption Ratcheting. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2237-2245.	4.0	36
1736	Flexible vacancy-mediated MoS ₂ -x nanosheet arrays for solar-driven interfacial water evaporation, photothermal-enhanced photodegradation, and thermoelectric generation. <i>Energy Conversion and Management</i> , 2022, 252, 115070.	4.4	28
1737	Testing the Model Efficiency of HYDRUS 2D/3D Under Desert Conditions for Water Content and Pore Electrical Conductivity: a Case Study in an Olive Orchard. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1859-1872.	1.7	3
1738	Multiscale Janus Surface Structure of <i>Trifolium</i> Leaf with Atmospheric Water Harvesting and Dual Wettability Features. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4690-4698.	4.0	18
1739	Competition for water induced by transnational land acquisitions for agriculture. <i>Nature Communications</i> , 2022, 13, 505.	5.8	24
1741	Natural Porous Materials for Interfacial Solar Steam Generation toward Clean Water Production. <i>Solar Rrl</i> , 2022, 6, .	3.1	37
1742	Improving the performance of tubular solar still integrated with drilled carbonized wood and carbon black thin film evaporation. <i>Solar Energy</i> , 2022, 233, 504-514.	2.9	49
1743	Revealing the effects of terminal groups of MXene on the water desalination performance. <i>Journal of Membrane Science</i> , 2022, 647, 120334.	4.1	32
1744	Carbon footprint and water footprint analysis of generating synthetic natural gas from biomass. <i>Renewable Energy</i> , 2022, 186, 780-789.	4.3	10
1745	Facile fabrication of polyethyleneimine interlayer-assisted graphene oxide incorporated reverse osmosis membranes for water desalination. <i>Desalination</i> , 2022, 526, 115502.	4.0	23
1746	Optimal allocation and transaction of waste load permits for transboundary basin: A Bi-level programming approach based on node-arc. <i>Journal of Environmental Management</i> , 2022, 307, 114550.	3.8	6
1747	Recent progress in interfacial photo-vapor conversion technology using metal sulfide-based semiconductor materials. <i>Desalination</i> , 2022, 527, 115532.	4.0	23
1748	Combinational biomimetic microfibers for high-efficiency water collection. <i>Chemical Engineering Journal</i> , 2022, 433, 134495.	6.6	26
1749	Benchmarking tertiary water treatments for the removal of micropollutants and pathogens based on operational and sustainability criteria. <i>Journal of Water Process Engineering</i> , 2022, 46, 102587.	2.6	24
1750	Rattan-based solar evaporator with natural hierarchical and gradient pore structure for synergetic salt resistance and stable freshwater generation. <i>Separation and Purification Technology</i> , 2022, 286, 120412.	3.9	13
1751	Stoichiometric carbocatalysis via epoxide-like C ⁺ S ⁻ O configuration on sulfur-doped biochar for environmental remediation. <i>Journal of Hazardous Materials</i> , 2022, 428, 128223.	6.5	25
1752	Membrane aging effects on water recovery during full-scale potable reuse: Mathematical optimization of backwashing frequency for constant-flux microfiltration. <i>Separation and Purification Technology</i> , 2022, 286, 120294.	3.9	8

#	ARTICLE	IF	CITATIONS
1753	Electrochemical point-of-care devices for monitoring waterborne pathogens: Protozoa, bacteria, and viruses – An overview. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022, 5, 100182.	2.9	7
1754	High efficiency solar steam generator comprising sodium alginate-polydopamine hydrogel for photothermal water sanitation. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101998.	1.7	4
1755	Sorption-tree with scalable hygroscopic adsorbent-leaves for water harvesting. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6576-6586.	5.2	21
1756	Diversity and determinants of traditional water conservation technologies in the Eastern Cape Province, South Africa. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 161.	1.3	5
1757	A Review of Crop Husbandry and Soil Management Practices Using Meta-Analysis Studies: Towards Soil-Improving Cropping Systems. <i>Land</i> , 2022, 11, 255.	1.2	9
1758	Effect of super water absorbing polymer based anti-washout admixtures on the properties of seawater-mixed cement paste. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022, 55, 1.	1.3	6
1759	Desalination Technology in South Korea: A Comprehensive Review of Technology Trends and Future Outlook. <i>Membranes</i> , 2022, 12, 204.	1.4	13
1760	State-of-the-Art Advances, Development, and Challenges of Metal Oxide Semiconductor Nanomaterials for Photothermal Solar Steam Generation. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	38
1761	Redox-Active Magnetic Composites for Anionic Contaminant Removal from Water. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8974-8983.	4.0	11
1762	Surface treatment of clayey soil particles for reducing water loss through evaporation. <i>Advanced Powder Technology</i> , 2022, 33, 103465.	2.0	0
1763	Comparative evaluation of groundwater, wastewater and canal water for irrigation on toxic metal accumulation in soil and vegetable: Pollution load and health risk assessment. <i>Agricultural Water Management</i> , 2022, 264, 107515.	2.4	19
1764	Analysis of the relationship between water and energy in China based on a multi-regional input-output method. <i>Journal of Environmental Management</i> , 2022, 309, 114680.	3.8	14
1765	Elemental Concentrations of Major and Trace Elements in the Spring Waters of the Arctic Region of Russia. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 8.	0.8	3
1766	Reshapable MXene/Graphene Oxide/Polyaniline Plastic Hybrids with Patternable Surfaces for Highly Efficient Solar-Driven Water Purification. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	79
1767	Effect of Nanopatterning on Concentration Polarization during Nanofiltration. <i>Membranes</i> , 2021, 11, 961.	1.4	9
1768	High Flux and Thermal-Responsive Nano-Filtration Membranes from Structurally Controlled Zwitterionic Nanocapsules. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1769	Preserving life on Earth. , 2022, , 503-602.		0
1772	Impact of Water Reuse on Agricultural Practices and Human Health. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1773	Solar-driven simultaneous desalination and power generation enabled by graphene oxide nanoribbon papers. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9184-9194.	5.2	17
1774	Hybrid Forward Osmosis - Freeze Concentration: A Promising Future in the Desalination of Effluents in Cold Regions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1775	Hygroscopic photothermal beads from marine polysaccharides: demonstration of efficient atmospheric water production, indoor humidity control and photovoltaic panel cooling. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8556-8567.	5.2	20
1776	Development of a novel cellulose foam augmented with candle-soot derived carbon nanoparticles for solar-powered desalination of brackish water. <i>Environmental Science: Nano</i> , 0, , .	2.2	9
1777	Toward water security. , 2022, , 235-288.		1
1778	Mofs-Mediated Nanoscale Turing Structure in Polyamide Membrane for Enhanced Nanofiltration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1779	Highly efficient water harvesting of bioinspired spindle-knotted microfibers with continuous hollow channels. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7130-7137.	5.2	23
1780	Silver nanoparticlesâ€polydopamineâ€wax gourd: An antimicrobial solar evaporator with enhanced steam generation. <i>International Journal of Energy Research</i> , 2022, 46, 8949-8961.	2.2	23
1781	Preparation of Polyvinylidene Fluoride Nano-Filtration Membranes Modified with Functionalized Graphene Oxide for Textile Dye Removal. <i>Membranes</i> , 2022, 12, 224.	1.4	13
1782	Removal of ions from produced water using Powder River Basin coal. <i>International Journal of Coal Science and Technology</i> , 2022, 9, 1.	2.7	4
1783	The limits to large-scale supply augmentation: exploring the crossroads of conflicting urban water system development pathways. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 885-902.	1.9	2
1784	Editorial: Water management addressing societal and climate change challenges. <i>Journal of Water and Climate Change</i> , 2022, 13, v-vii.	1.2	1
1785	Effects of Benzalkonium Chloride Contents on Structures, Properties, and Ultrafiltration Performances of Chitosan-Based Nanocomposite Membranes. <i>Membranes</i> , 2022, 12, 268.	1.4	4
1786	Water Availability for Biorefineries in the Contiguous United States and the Implications for Bioenergy Production Distribution. <i>Environmental Science & Technology</i> , 2022, 56, 3748-3757.	4.6	1
1787	Historical simulation of maize water footprints with a new global gridded crop model ACEA. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 923-940.	1.9	12
1788	Identification of Land Use Function Bundles and Their Spatiotemporal Trade-Offs/Synergies: A Case Study in Jiangsu Coast, China. <i>Land</i> , 2022, 11, 286.	1.2	12
1789	Sandwich-Structured Carbon Paper/Metalâ€Organic Framework Monoliths for Flexible Solar-Powered Atmospheric Water Harvesting On Demand. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10966-10975.	4.0	24
1790	Unravelling the Affinity of Alkali-Activated Fly Ash Cubic Foams towards Heavy Metals Sorption. <i>Materials</i> , 2022, 15, 1453.	1.3	10

#	ARTICLE	IF	CITATIONS
1791	Using the WWF Water Risk Filter to Screen Existing and Projected Hydropower Projects for Climate and Biodiversity Risks. <i>Water (Switzerland)</i> , 2022, 14, 721.	1.2	7
1792	Fibrous Aerogels for Solar Vapor Generation. <i>Frontiers in Chemistry</i> , 2022, 10, 843070.	1.8	5
1793	Salting-in Effect of Zwitterionic Polymer Hydrogel Facilitates Atmospheric Water Harvesting. , 2022, 4, 511-520.		94
1794	A scoping review on Water Sensitive Urban Design aims and achievements. <i>Urban Water Journal</i> , 2022, 19, 453-467.	1.0	9
1795	Thermal Desalination Systems: From Traditionality to Modernity and Development. , 0, , .		8
1796	National water shortage for low to high environmental flow protection. <i>Scientific Reports</i> , 2022, 12, 3037.	1.6	15
1797	Water security assessment in ungauged regions using the water balance and water footprint concepts and satellite observations. <i>Hydrology Research</i> , 2022, 53, 336-352.	1.1	9
1798	Trends and status in resources security, ecological stability, and sustainable development research: a systematic analysis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 50192-50207.	2.7	11
1799	Highly efficient and salt rejecting solar evaporation via a wick-free confined water layer. <i>Nature Communications</i> , 2022, 13, 849.	5.8	101
1800	Combination of Photothermal Conversion and Photocatalysis toward Water Purification. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4579-4587.	1.8	10
1801	Agricultural Adaptation to Reconcile Food Security and Water Sustainability Under Climate Change: The Case of Cereals in Iran. <i>Earth's Future</i> , 2022, 10, .	2.4	2
1802	Dome-arrayed chitosan/PVA hydrogel-based solar evaporator for steam generation. <i>Scientific Reports</i> , 2022, 12, 4403.	1.6	11
1803	Nanocellulose for Sustainable Water Purification. <i>Chemical Reviews</i> , 2022, 122, 8936-9031.	23.0	82
1804	Performance research and comparison of integrated passive solar-concentrated stills buried in soil: With/without heat recovery. <i>Energy Conversion and Management</i> , 2022, 256, 115400.	4.4	13
1805	An overview of solid and liquid materials for adsorption-based atmospheric water harvesting. <i>Advances in Mechanical Engineering</i> , 2022, 14, 168781322210827.	0.8	19
1806	Consumer Perception and Behavior Toward Water Supply, Demand, Water Tariff, Water Quality, and Willingness-To-Pay: A Cross Sectional Study. <i>Water Resources Management</i> , 2022, 36, 1339-1354.	1.9	4
1807	Evaluating the effect of urbanization and foreign direct investment on water use efficiency in West Africa: application of the dynamic slacks-based model and the common correlated effects mean group estimator. <i>Environment, Development and Sustainability</i> , 0, , 1.	2.7	3
1808	Reply to "Letter to the editor of Pfister et al" regarding "The scarcity-weighted water footprint provides unreliable water sustainability scoring" Science of the Total Environment, 2022, 825, 154750.	3.9	0

#	ARTICLE	IF	CITATIONS
1809	Rainwater Harvesting for Sustainable Water Resource Management under Climate Change. , 2022, , 374-400.		0
1810	Letter to the editor re: "The scarcity-weighted water footprint provides unreliable water sustainability scoring" by. Science of the Total Environment, 2022, 825, 154108.	3.9	3
1811	Recent technological advancements in membrane distillation and solar stills: preheating techniques, heat storage materials, and nanomaterials " a detailed review. Environmental Science and Pollution Research, 2022, 29, 38879-38898.	2.7	9
1812	Confinement"Unconfinement Transformation of ILs in IL@MOF Composite with Multiple Adsorption Sites for Efficient Water Capture and Release. Advanced Materials Interfaces, 2022, 9, .	1.9	11
1813	Investigation of effective parameters on brackish water desalination by flow-electrode capacitive deionization. Water Science and Technology: Water Supply, 2022, 22, 5176-5189.	1.0	1
1814	Groundwater Quality Characterization for Safe Drinking Water Supply in Sheikhpura District of Bihar, India: A Geospatial Approach. Frontiers in Water, 2022, 4, .	1.0	8
1815	Identifying potential zones for rainwater harvesting interventions for sustainable intensification in the semi-arid tropics. Scientific Reports, 2022, 12, 3882.	1.6	14
1816	The promising solar-powered water purification based on graphene functional architectures. EcoMat, 2022, 4, .	6.8	15
1817	Identifying the decoupling pathways of water resource liability and economic growth: a case study of the Yangtze River Economic Belt, China. Environmental Science and Pollution Research, 2022, 29, 55775-55789.	2.7	8
1818	Can Aggregate-Associated Organisms Influence the Fouling in a SWRO Desalination Plant?. Microorganisms, 2022, 10, 682.	1.6	1
1820	Spontaneous Salt-Preventing Solar"Thermal Water Evaporator with a High Evaporation Efficiency through Dual-Mode Water Transfer. ACS Applied Materials & Interfaces, 2022, 14, 15549-15557.	4.0	10
1821	Cost-Effective Fabrication of Micro-Nanostructured Superhydrophobic Polyethylene/Graphene Foam with Self-Floating, Optical Trapping, Acid/Alkali Resistance for Efficient Photothermal Deicing and Interfacial Evaporation. Small, 2022, 18, e2200175.	5.2	54
1823	Future Water Scarcity over the Yellow River Basin and the Effects of Adaptive Measures. , 2022, , 445-464.		0
1824	Ultra-high evaporation rate 3D evaporator with vertical sheets based on full use of convection flow. Journal of Cleaner Production, 2022, 345, 131172.	4.6	8
1825	Atmospheric Water Harvesting by Large-Scale Radiative Cooling Cellulose-Based Fabric. Nano Letters, 2022, 22, 2618-2626.	4.5	68
1826	Adsorption-based atmospheric water harvesting: A review of adsorbents and systems. International Communications in Heat and Mass Transfer, 2022, 133, 105961.	2.9	47
1827	Government, Premier Leader and Small Lakes"™ People Vis-a-Vis Lake Governance. Social Sciences, 2022, 11, 165.	0.7	2
1828	Polydopamine-Coated Natural Rubber Sponge for Highly Efficient Vapor Generation. Polymers, 2022, 14, 1486.	2.0	6

#	ARTICLE	IF	CITATIONS
1829	Composite Polyelectrolyte Photothermal Hydrogel with Anti-biofouling and Antibacterial Properties for the Real-World Application of Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16546-16557.	4.0	41
1830	Integrating Ecosystem Services into Risk Assessments for Drinking Water Protection. <i>Water (Switzerland)</i> , 2022, 14, 1180.	1.2	3
1831	Optimization of a thermoelectric cooler-based system for dehumidification applications in terms of heat dissipation and water collection. <i>Energy Conversion and Management</i> , 2022, 258, 115550.	4.4	6
1832	A 3D Opened Hollow Photothermal Evaporator for Highly Efficient Solar Steam Generation. <i>Solar Rrl</i> , 2022, 6, .	3.1	30
1833	Nationsâ€™ water footprints and virtual water trade of wood products. <i>Advances in Water Resources</i> , 2022, 164, 104188.	1.7	4
1834	The pattern of virtual water transfer in China: From the perspective of the virtual water hypothesis. <i>Journal of Cleaner Production</i> , 2022, 346, 131232.	4.6	10
1835	A review on water management issues: potential and challenges in Indonesia. <i>Sustainable Water Resources Management</i> , 2022, 8, 1.	1.0	1
1836	Design of a Venation-like Patterned Surface with Hybrid Wettability for Highly Efficient Fog Harvesting. <i>Nano Letters</i> , 2022, 22, 3104-3111.	4.5	39
1837	Ultrathin polyamide membranes enabled by spin-coating assisted interfacial polymerization for high-flux nanofiltration. <i>Separation and Purification Technology</i> , 2022, 288, 120648.	3.9	17
1838	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
1839	Spatio-temporal variability and trend of water footprints in the upper Awash basin, central Ethiopia. <i>Journal of Hydrology</i> , 2022, 608, 127686.	2.3	6
1840	Supercritical CO ₂ utilization in a CO ₂ zero emission novel system for bio-synthetic natural gas, power and freshwater productions. <i>Journal of CO₂ Utilization</i> , 2022, 59, 101947.	3.3	7
1841	Assessment of long-term water stress for ecosystems across China using the maximum entropy production theory-based evapotranspiration product. <i>Journal of Cleaner Production</i> , 2022, 349, 131414.	4.6	3
1842	Constructing of 3D porous composite materials of NiAl/CNTs for highly efficient solar steam generation. <i>Solar Energy Materials and Solar Cells</i> , 2022, 240, 111722.	3.0	20
1843	A novel layered activated carbon with rapid ion transport through chemical activation of chestnut inner shell for capacitive deionization. <i>Desalination</i> , 2022, 531, 115685.	4.0	23
1844	A framework for assessing freshwater vulnerability along China's Belt and Road Initiative: An exposure, sensitivity and adaptive capacity approach. <i>Environmental Science and Policy</i> , 2022, 132, 247-261.	2.4	1
1845	Influencing surface phenomena by Au diffusion in buffered TiO ₂ -Au thin films: Effects of deposition and annealing processing. <i>Surfaces and Interfaces</i> , 2022, 30, 101811.	1.5	4
1846	Water desalination by charged multilayer graphene membrane: A molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2022, 355, 118953.	2.3	15

#	ARTICLE	IF	CITATIONS
1847	Opportunities and spatial hotspots for irrigation expansion in Guatemala to support development goals in the food-energy-water nexus. <i>Agricultural Water Management</i> , 2022, 267, 107608.	2.4	4
1848	Climate change and emergency care in Africa: A scoping review. <i>African Journal of Emergency Medicine</i> , 2022, 12, 121-128.	0.4	6
1849	Hybrid forward osmosis - freeze concentration: A promising future in the desalination of effluents in cold regions. <i>Journal of Water Process Engineering</i> , 2022, 47, 102711.	2.6	6
1850	Tunable hydrophobicity and roughness on PVDF surface by grafting to mode " Approach to enhance membrane performance in membrane distillation process. <i>Separation and Purification Technology</i> , 2022, 291, 120935.	3.9	11
1851	Multi-dimensional evaluation of water footprint and implication for crop production: A case study in Hetao Irrigation District, China. <i>Agricultural Water Management</i> , 2022, 267, 107630.	2.4	6
1852	Progress in atmospheric water generation systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112325.	8.2	26
1853	Promoting the adoption of residential water conservation behaviors as a preventive policy to sustainable urban water management. <i>Journal of Environmental Management</i> , 2022, 313, 115005.	3.8	19
1854	Comparative water footprint assessment of fuel cell electric vehicles and compressed natural gas vehicles. <i>Science of the Total Environment</i> , 2022, 830, 154820.	3.9	5
1855	Suitability evaluation of potential arable land in the Mediterranean region. <i>Journal of Environmental Management</i> , 2022, 313, 115011.	3.8	10
1856	How far are we from possible ideal virtual water transfer? Evidence from assessing vulnerability of global virtual water trade. <i>Science of the Total Environment</i> , 2022, 828, 154493.	3.9	18
1857	Fabrication of bacterial cellulose with TiO ₂ -ZnO nanocomposites as a multifunctional membrane for water remediation. <i>Journal of Colloid and Interface Science</i> , 2022, 620, 1-13.	5.0	18
1858	Honeycomb-structured fabric with enhanced photothermal management and site-specific salt crystallization enables sustainable solar steam generation. <i>Journal of Colloid and Interface Science</i> , 2022, 619, 322-330.	5.0	17
1859	Urban water security: A comparative assessment and policy analysis of five cities in diverse developing countries of Asia. <i>Environmental Development</i> , 2022, 43, 100713.	1.8	26
1860	CoÅŸtei Hydrographic Diversion Node, a Historical Environment Quality and Biological Resources Accessibility Game Changer; Anthropogenic Induced Problems and Sustainable Solutions " An Ichthyologic Perspective. <i>Transylvanian Review of Systematical and Ecological Research</i> , 2021, 23, 87-114.	0.9	2
1861	Carbon Nanotube Based Metal"Organic Framework Hybrids From Fundamentals Toward Applications. <i>Small</i> , 2022, 18, e2104628.	5.2	33
1862	Groundwater Quality Monitoring Using In-Situ Measurements and Hybrid Machine Learning with Empirical Bayesian Kriging Interpolation Method. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 132.	1.3	14
1863	Arjen Y. Hoekstra: A Water Management Researcher to Be Remembered. <i>Water (Switzerland)</i> , 2022, 14, 50.	1.2	0
1864	Simultaneous Efficient Decontamination of Bacteria and Heavy Metals via Capacitive Deionization Using Polydopamine/Polyhexamethylene Guanidine Co-deposited Activated Carbon Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61669-61680.	4.0	16

#	ARTICLE	IF	CITATIONS
1865	Increasing collaboration between China and India in the environmental sciences to foster global sustainability. <i>Ambio</i> , 2022, 51, 1474-1484.	2.8	7
1866	Performance Analysis of a Floating Photovoltaic System and Estimation of the Evaporation Losses Reduction. <i>Energies</i> , 2021, 14, 8336.	1.6	9
1867	Using the Change Point Model (CPM) Framework to Identify Windows for Water Resource Management Action in the Lower Colorado River Basin of Texas, USA. <i>Water (Switzerland)</i> , 2022, 14, 18.	1.2	2
1868	Biomimetic hydrophilic foam with micro/nano-scale porous hydrophobic surface for highly efficient solar-driven vapor generation. <i>Science China Materials</i> , 2022, 65, 1057-1067.	3.5	16
1869	Stepping Up: A U.S. Perspective on the Ten Steps to Responsible Inland Fisheries. <i>Fisheries</i> , 2022, 47, 68-77.	0.6	0
1870	Landscape resource management for sustainable crop intensification. <i>Environmental Research Letters</i> , 2022, 17, 014006.	2.2	5
1871	Adsorption efficiency of banana blossom peels (<i>musa acuminata</i> colla) adsorbent for chromium (VI) removal. <i>Materials Today: Proceedings</i> , 2022, 57, 1262-1268.	0.9	4
1872	Highly Efficient Solar Steam Generation with Real Time Salinity Monitoring for Seawater Desalination. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	6
1873	Biomimetic Hybridization of Janus-like Graphene Oxide into Hierarchical Porous Hydrogels for Improved Mechanical Properties and Efficient Solar Desalination Devices. <i>ACS Nano</i> , 2021, 15, 19877-19887.	7.3	76
1874	Membrane fouling and removal performance of submerged aerobic membrane bioreactors: a comparative study of optimizing operational conditions and membrane modification. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 1190-1199.	1.6	8
1875	Light or Dark Greywater for Water Reuse? Economic Assessment of On-Site Greywater Treatment Systems in Rural Areas. <i>Water (Switzerland)</i> , 2021, 13, 3637.	1.2	3
1876	Ultra-high permeable phenine nanotube membranes for water desalination. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	1.3	3
1877	Combination of foam fractionation and photo-Fenton like processes for greywater treatment. <i>Separation and Purification Technology</i> , 2022, 293, 121114.	3.9	15
1878	Continuous and efficient purification of seawater using suspended photothermal nanocomposite fabrics with self-floatation. <i>Reactive and Functional Polymers</i> , 2022, 175, 105270.	2.0	5
1879	High Performance Freshwater Harvesting System by Coupling Solar Desalination and Fog Collection with Hierarchical Porous Microneedle Arrays. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	45
1880	Special Wettability Materials Inspired by Multiorganisms for Fog Collection. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	9
1881	A high-efficiency geopolymer-based 3D photoevaporation membrane enhances evaporation by using low temperature waste heat. <i>Materials Today Energy</i> , 2022, , 101016.	2.5	3
1882	Evaluation of <i>Triticum durum</i> "Aegilops tauschii" derived primary synthetics as potential sources of drought stress tolerance for wheat improvement. <i>Cereal Research Communications</i> , 2022, 50, 1205-1216.	0.8	1

#	ARTICLE	IF	CITATIONS
1883	g-C3N4 nanofibers network reinforced polyamide nanofiltration membrane for fast desalination. Separation and Purification Technology, 2022, 293, 121125.	3.9	18
1884	Multi-decadal analysis of water resources and agricultural change in a Mediterranean semiarid irrigated piedmont under water scarcity and human interaction. Science of the Total Environment, 2022, 834, 155328.	3.9	15
1885	Integrated hydrologic model development and postprocessing for GSFLOW using pyGSFLOW. Journal of Open Source Software, 2022, 7, 3852.	2.0	2
1886	Water Footprint Assessment of Rainfed Crops with Critical Irrigation under Different Climate Change Scenarios in SAT Regions. Water (Switzerland), 2022, 14, 1206.	1.2	4
1887	Analysis of Water Supply-Demand Based on Socioeconomic Efficiency. Journal of Sensors, 2022, 2022, 1-16.	0.6	0
1888	Performance investigation and evaluation of a new three-piston pump energy recovery device for small scale desalination system. Energy Conversion and Management, 2022, 260, 115576.	4.4	3
1889	Floating solar PV to reduce water evaporation in water stressed regions and powering water pumping: Case study Jordan. Energy Conversion and Management, 2022, 260, 115598.	4.4	30
1890	Special report: The AgAID AI institute for transforming workforce and decision support in agriculture. Computers and Electronics in Agriculture, 2022, 197, 106944.	3.7	8
1891	Comparison of two types of energy recovery devices: Pressure exchanger and turbine in an island desalination project case. Desalination, 2022, 533, 115752.	4.0	10
1914	Experimental investigation on dish solar distiller with modified absorber and phase change material under various operating conditions. Environmental Science and Pollution Research, 2022, 29, 63248-63259.	2.7	19
1917	Water Resources Management of Large Hydrological Basins in Semi-Arid Regions: Spatial and Temporal Variability of Water Footprint of the Euphrates River Basin. SSRN Electronic Journal, 0, , .	0.4	0
1919	Shower water usage in Kruger National Park tourist accommodation: effectiveness of technology and information intervention to reduce use. Environmental Science: Water Research and Technology, 2022, 8, 1497-1506.	1.2	1
1921	Robust All-Inorganic Absorber for High-Sun Solar Steam Generation and Solvent Recovery. SSRN Electronic Journal, 0, , .	0.4	0
1922	Graphene-Based Materials for Water Treatment and Purification. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 375-399.	0.3	0
1923	Heterogeneous wettability and radiative cooling for efficient deliquescent sorbents-based atmospheric water harvesting. Cell Reports Physical Science, 2022, 3, 100879.	2.8	20
1924	Evaluation of Blue and Green Water Using Combine Stream Flow and Soil Moisture Simulation in Wunna Watershed, India. Water Conservation Science and Engineering, 2022, 7, 211-225.	0.9	4
1925	Water Harvesting from Air: Current Passive Approaches and Outlook. , 2022, 4, 1003-1024.		51
1926	Bioinspired hierarchical evaporator via cell wall engineering for highly efficient and sustainable solar desalination. EcoMat, 2022, 4, .	6.8	24

#	ARTICLE	IF	CITATIONS
1927	Decreased virtual water outflows from the Yellow River basin are increasingly critical to China. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2035-2044.	1.9	1
1928	Policymakers, Consider Reducing Reliability. <i>Frontiers in Water</i> , 2022, 4, .	1.0	1
1929	Structures, properties, and applications of zwitterionic polymers. <i>ChemPhysMater</i> , 2022, 1, 294-309.	1.4	33
1930	Sub-Seasonal Predictability of North American Monsoon Precipitation. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
1931	Application of the InVEST model for assessing water yield and its response to precipitation and land use in the Weihe River Basin, China. <i>Journal of Arid Land</i> , 2022, 14, 426-440.	0.9	27
1932	Green and sustainable applications of energetic plasmon-activated water. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 111, 18-34.	2.9	0
1933	Water Security in an Uncertain Future: Contrasting Realities from an Availability-Demand Perspective. <i>Water Resources Management</i> , 2022, 36, 2571-2587.	1.9	5
1934	Nano-filtration performance and temperature dependency of thin film composite polyamide membranes embedded with thermal responsive zwitterionic nanocapsules. <i>Journal of Membrane Science</i> , 2022, , 120609.	4.1	4
1935	Hierarchical Pore-Gradient Silica Aerogel Balancing Heat and Water Management for Efficient Solar-Driven Water Evaporation. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	4
1936	Synergistic effect of reduced graphene oxide and carbon black as hybrid light absorber for efficient and antifouling texture-based solar steam generator. <i>Solar Energy</i> , 2022, 238, 226-237.	2.9	8
1937	Water neutrality framework for systemic design of new urban developments. <i>Water Research</i> , 2022, 219, 118583.	5.3	7
1938	Domestic Groundwater Depletion Supports China's Full Supply Chains. <i>Water Resources Research</i> , 2022, 58, .	1.7	15
1939	Response of Domestic Water in Beijing to Climate Change. <i>Water (Switzerland)</i> , 2022, 14, 1487.	1.2	2
1940	Solar still performance for small-scale and low-cost seawater desalination: Model-based analysis and water yield enhancement techniques. <i>Solar Energy</i> , 2022, 238, 341-362.	2.9	10
1941	Overflow Control for Sustainable Development by Superwetting Surface with Biomimetic Structure. <i>Chemical Reviews</i> , 2023, 123, 2276-2310.	23.0	32
1942	The role of microbiome in carbon sequestration and environment security during wastewater treatment. <i>Science of the Total Environment</i> , 2022, 837, 155793.	3.9	9
1943	Shifts in regional water availability due to global tree restoration. <i>Nature Geoscience</i> , 2022, 15, 363-368.	5.4	90
1944	Nanofiltration as an Efficient Tertiary Wastewater Treatment: Elimination of Total Bacteria and Antibiotic Resistance Genes from the Discharged Effluent of a Full-Scale Wastewater Treatment Plant. <i>Antibiotics</i> , 2022, 11, 630.	1.5	4

#	ARTICLE	IF	CITATIONS
1945	Future bioenergy expansion could alter carbon sequestration potential and exacerbate water stress in the United States. <i>Science Advances</i> , 2022, 8, eabm8237.	4.7	11
1946	Energy utilisation strategy in an offshore floating wind system with variable production of fresh water and hybrid energy storage. <i>International Journal of Sustainable Energy</i> , 2022, 41, 1572-1590.	1.3	3
1947	Inter-Annual and Seasonal Variability of Flows: Delivering Climate-Smart Environmental Flow Reference Values. <i>Water (Switzerland)</i> , 2022, 14, 1489.	1.2	3
1948	High efficiency solar interfacial evaporator for seawater desalination based on high porosity loofah sponge biochar. <i>Solar Energy</i> , 2022, 238, 305-314.	2.9	24
1949	Distinct impacts of natural organic matter and colloidal particles on gypsum crystallization. <i>Water Research</i> , 2022, 218, 118500.	5.3	22
1950	Energy and environmental performance of a new solar boiler with heat recovery for seawater desalination. <i>Sustainable Production and Consumption</i> , 2022, 32, 330-343.	5.7	4
1951	Regenerative macroporous polyzwitterionic gels for brackish/sea water desalination. <i>Desalination</i> , 2022, 535, 115801.	4.0	6
1952	Using the WEI+ index to evaluate water scarcity at highly regulated river basins with conjunctive uses of surface and groundwater resources. <i>Science of the Total Environment</i> , 2022, 836, 155754.	3.9	7
1953	Extending pore network models to include electrical double layer effects in micropores for studying capacitive deionization. <i>Desalination</i> , 2022, 535, 115784.	4.0	9
1954	Use of aqueous polyol monomer for superior dye separation performance and high chlorine resistance of thin-film composite polyester nanofiltration membranes. <i>Journal of Water Process Engineering</i> , 2022, 48, 102843.	2.6	20
1955	Quantifying water footprint of winter wheat “ summer maize cropping system under manure application and limited irrigation: An integrated approach. <i>Resources, Conservation and Recycling</i> , 2022, 183, 106375.	5.3	19
1956	Photocatalytic removal of pharmaceutical water pollutants by TiO ₂ “ Carbon dots nanocomposites: A review. <i>Chemosphere</i> , 2022, 301, 134731.	4.2	36
1957	Virtual water transfers in Africa: Assessing topical condition of water scarcity, water savings, and policy implications. <i>Science of the Total Environment</i> , 2022, 835, 155343.	3.9	11
1958	Constructing CoO Nanoneedle Hierarchical Structure Based on Cassie States for Highly Efficient Fog Harvesting. <i>Nano</i> , 2022, 17, .	0.5	1
1959	Agronomic Performance of Grain Sorghum (<i>Sorghum bicolor</i> (L.) Moench) Cultivars under Intensive Fish Farm Effluent Irrigation. <i>Agronomy</i> , 2022, 12, 1185.	1.3	10
1961	Climate Change and the Indian Economy “ A Review. <i>Current World Environment Journal</i> , 2022, 17, 20-31.	0.2	1
1962	Insight into the role of the channel in photothermal materials for solar interfacial water evaporation. <i>Renewable Energy</i> , 2022, 193, 706-714.	4.3	10
1963	Scalable super hygroscopic polymer films for sustainable moisture harvesting in arid environments. <i>Nature Communications</i> , 2022, 13, 2761.	5.8	91

#	ARTICLE	IF	CITATIONS
1964	Global Water Scarcity and Unconventional Water Resources. , 2022, , 3-17.		3
1965	Energy-water nexus of formal and informal water systems in Beirut, Lebanon. Environmental Research: Infrastructure and Sustainability, 0, , .	0.9	3
1966	The challenge of urban food production and sustainable water use: Current situation and future perspectives of the urban agriculture in Brazil and Italy. Sustainable Cities and Society, 2022, 83, 103961.	5.1	11
1967	Evaluation water scarcity based on GIS estimation and climate-change effects: A case study of Thi-Qar Governorate, Iraq. Cogent Engineering, 2022, 9, .	1.1	16
1968	Investigating the spatial variability of water security risk and its driving mechanisms in China using machine learning. Journal of Cleaner Production, 2022, 362, 132303.	4.6	4
1969	Understanding of water desalination in two-dimensional porous membrane via molecular dynamics. Journal of Molecular Liquids, 2022, 360, 119408.	2.3	8
1970	A Copula-based interval linear programming model for water resources allocation under uncertainty. Journal of Environmental Management, 2022, 317, 115318.	3.8	13
1971	Three-Dimensional Agricultural Water Scarcity Assessment Based on Water Footprint: A Study from a Humid Agricultural Area in China. SSRN Electronic Journal, 0, , .	0.4	0
1972	Sustainable Thin-Film Condensation with Free Surface Flow Through Water Film Network. SSRN Electronic Journal, 0, , .	0.4	0
1973	Electrically Heatable Carbon Scaffold Accommodated Monolithic Metal-Organic Frameworks for Energy-Efficient Atmospheric Water Harvesting. SSRN Electronic Journal, 0, , .	0.4	0
1974	Scalable Polyamide Nanofilms by a Sequential Process of Coating- Spraying-Interfacial Polymerization for Desalination Membranes. SSRN Electronic Journal, 0, , .	0.4	0
1975	Environmental sustainability metrics and indicators of microalgae-based fuels. , 2022, , 813-833.		0
1976	Compositionally Homogeneous Soft Wrinkles on Elastomeric Substrates: Novel Fabrication Method, Water Collection from Fog, and Triboelectric Charge Generation. Macromolecular Materials and Engineering, 0, , 2200247.	1.7	3
1977	Nanostructured Metal Oxide Sensors for Antibiotic Monitoring in Mineral and River Water. Nanomaterials, 2022, 12, 1858.	1.9	6
1978	Implicit and Explicit Biases for Recycled Water and Tap Water. Water Resources Research, 0, , .	1.7	4
1979	All-Day Freshwater Harvesting by Selective Solar Absorption and Radiative Cooling. ACS Applied Materials & Interfaces, 2022, 14, 26255-26263.	4.0	24
1980	A Review of Pyrene Bioremediation Using Mycobacterium Strains in a Different Matrix. Fermentation, 2022, 8, 260.	1.4	7
1981	Scaling Up the Simultaneous Production of Clean Electricity and Clean Water. Journal of the Electrochemical Society, 0, , .	1.3	0

#	ARTICLE	IF	CITATIONS
1982	Evaluating Water Withdrawals for Regional Water Management Under a Data-driven Framework. Chinese Geographical Science, 2022, 32, 521-536.	1.2	2
1983	Spatially dependent salinity effect in actively vacuumed spray flash desalination. Desalination, 2022, 537, 115868.	4.0	3
1984	Liter-scale atmospheric water harvesting for dry climates driven by low temperature solar heat. Energy, 2022, 254, 124295.	4.5	8
1985	Effects of irrigation and fertilization practice on soil nematode communities in arable land. Applied Soil Ecology, 2022, 177, 104546.	2.1	2
1986	On the Temporal Selectivity of Desalination for a Porous Composite Graphene-copper Membrane (Gcum): A Molecular Dynamics Study. SSRN Electronic Journal, 0, , .	0.4	0
1987	Chapter 2. Green Nanotechnology for High-performance Impurity Detection and Water Treatment. RSC Nanoscience and Nanotechnology, 2022, , 33-64.	0.2	0
1988	Sustainable water generation: grand challenges in continuous atmospheric water harvesting. Energy and Environmental Science, 2022, 15, 3223-3235.	15.6	37
1989	Autonomous Water Flow Control And Monitoring System. , 2022, , .		0
1990	Fluoropolymer-Based Salt- and Proton-Rejecting Artificial Water Channels for Ultrafast Water Transport. Nano Letters, 2022, 22, 4831-4838.	4.5	12
1991	Marangoni Effect Drives Salt Crystallization Away from the Distillation Zone for Large-Scale Continuous Solar Passive Desalination. ACS Applied Materials & Interfaces, 2022, 14, 30324-30331.	4.0	19
1992	Spatial and seasonal water level dynamics in dryland grabens along the Rift Valley of northern Ethiopia. Hydrological Sciences Journal, 2022, 67, 1418-1438.	1.2	2
1993	Wetting-Induced Water Promoted Flow on Tunable Liquid-Liquid Interface-Based Nanopore Membrane System. ACS Nano, 2022, 16, 11092-11101.	7.3	7
1994	Chitosan/polyvinylpyrrolidone/polyvinyl alcohol/carbon nanotubes dual layers nanofibrous membrane constructed by electrospinning-electrospray for water purification. Carbohydrate Polymers, 2022, 294, 119756.	5.1	26
1995	Global pattern and drivers of water scarcity research: a combined bibliometric and geographic detector study. Environmental Monitoring and Assessment, 2022, 194, .	1.3	3
1996	On the applicability of atmospheric water harvesting technologies on building facades: A critical review. Journal of Cleaner Production, 2022, 366, 132809.	4.6	5
1997	Assessing Barriers in Adaptation of Water Management Innovations Under Rotational Canal Water Distribution System. Agriculture (Switzerland), 2022, 12, 913.	1.4	1
1998	Water Justice as Socioenvironmental Justice. Ethics, Policy and Environment, 2023, 26, 406-421.	0.8	1
1999	Water footprint and virtual water trade analysis in water-rich basins: Case of the Chaohu Lake Basin in China. Science of the Total Environment, 2022, 843, 156906.	3.9	6

#	ARTICLE	IF	CITATIONS
2000	Multi-objective optimal allocation of regional water resources based on slime mould algorithm. <i>Journal of Supercomputing</i> , 2022, 78, 18288-18317.	2.4	22
2001	Spring water quality assessment of Anantnag district of Kashmir Himalaya: towards understanding the looming threats to spring ecosystem services. <i>Applied Water Science</i> , 2022, 12, .	2.8	7
2002	The Geochemical Drivers of Bacterial Community Diversity in the Watershed Sediments of the Heihe River (Northern China). <i>Water (Switzerland)</i> , 2022, 14, 1948.	1.2	1
2003	Chapter 5: A nature-based approach to building Water Smart Cities. , 2022, , 107-123.		0
2004	A comprehensive review on membranes in microbial desalination cells; processes, utilization, and challenges. <i>International Journal of Energy Research</i> , 2022, 46, 14716-14739.	2.2	3
2005	Binary/Ternary MOF Nanocomposites for Multi-Environment Indoor Atmospheric Water Harvesting. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16
2006	Efficient Water Harvesting Enabled by Porous Architecture-Containing Hybrid Surfaces. <i>Industrial & Engineering Chemistry Research</i> , 0, , .	1.8	3
2007	On the Performance of Vertically Aligned Graphene Array Membranes for Desalination. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 27405-27412.	4.0	6
2008	How Far Can Nature-Based Solutions Increase Water Supply Resilience to Climate Change in One of the Most Important Brazilian Watersheds?. <i>Earth</i> , 2022, 3, 748-767.	0.9	3
2009	How do people in China perceive water? From health threat perception to environmental policy change. <i>Journal of Environmental Studies and Sciences</i> , 0, , .	0.9	0
2010	A Water Resource Equilibrium Regulation Model Under Water Resource Utilization Conflict: A Case Study in the Yellow River Basin. <i>Water Resources Research</i> , 2022, 58, .	1.7	12
2011	Modeling and Life Cycle Assessment of a Membrane Bioreactor- Membrane Distillation Wastewater Treatment System for Potable Reuse. <i>Separations</i> , 2022, 9, 151.	1.1	4
2012	Microbial contamination in surface water and potential health risks for peri-urban farmers of the Bengal delta. <i>International Journal of Hygiene and Environmental Health</i> , 2022, 244, 114002.	2.1	6
2013	Groundwater quality and human health risk assessment in selected coastal and floodplain areas of Bangladesh. <i>Journal of Contaminant Hydrology</i> , 2022, 249, 104041.	1.6	11
2014	Modular, adaptive, and decentralised water infrastructure: promises and perils for water justice. <i>Current Opinion in Environmental Sustainability</i> , 2022, 57, 101202.	3.1	18
2015	Identification of priority areas for water ecosystem services by a techno-economic, social and climate change modeling framework. <i>Water Research</i> , 2022, 221, 118766.	5.3	20
2016	Use of biochar-based column filtration systems for greywater treatment: A systematic literature review. <i>Journal of Water Process Engineering</i> , 2022, 48, 102908.	2.6	12
2017	Potassium deficiency limits water deficit tolerance of rice by reducing leaf water potential and stomatal area. <i>Agricultural Water Management</i> , 2022, 271, 107744.	2.4	6

#	ARTICLE	IF	CITATIONS
2018	Wheat yield modeling under water-saving irrigation and climatic scenarios in transition from surface to sprinkler irrigation systems. <i>Journal of Hydrology</i> , 2022, 612, 128053.	2.3	13
2019	Molecular insights into the structure-property relationships of 3D printed polyamide reverse-osmosis membrane for desalination. <i>Journal of Membrane Science</i> , 2022, 658, 120731.	4.1	14
2020	Consensus-Based Fuzzy Group Decision-Making Framework for Tailoring Good Water Governance to the Context: A Case Study of Sistan, Iran. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022, 148, .	1.3	1
2021	Methodology for including reservoir regulation in water scarcity evaluation. <i>Journal of Cleaner Production</i> , 2022, 365, 132657.	4.6	6
2022	Highly permeable composite nanofiltration membrane via β -cyclodextrin modulation for multiple applications. <i>Separation and Purification Technology</i> , 2022, 297, 121541.	3.9	11
2023	Synchronously managed water and heat transportation for highly efficient interfacial solar desalination. <i>Desalination</i> , 2022, 538, 115897.	4.0	6
2024	Simultaneous engineering on absorption window and transportation geometry of graphene-based foams toward high-performance solar steam generator. <i>Applied Surface Science</i> , 2022, 599, 154021.	3.1	5
2025	Sustainability of Costa Rica's water supply under climate change scenarios. <i>Environmental Science and Policy</i> , 2022, 136, 67-77.	2.4	4
2026	Hybrid superhydrophobic/hydrophilic patterns deposited on glass by laser-induced forward transfer method for efficient water harvesting. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 383-396.	5.0	16
2027	A self-regenerating 3D sponge evaporator with a tunable porous structure for efficient solar desalination. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15743-15751.	5.2	17
2028	Urban Water Deficit in Sub-Saharan African Cities. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022, , 658-668.	0.0	0
2029	Global Water Resources: Distribution and Demand. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022, , 240-250.	0.0	7
2030	Strain tunable nanoporous r-N-GDY membrane for efficient seawater desalination. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16533-16540.	5.2	7
2031	The Optimal Irrigation Water Salinity and Salt Component for High-Yield and Good-Quality of Tomato in Ningxia. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2032	Watershed-Based Management for Sustainable Freshwater Resources. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022, , 1007-1018.	0.0	0
2033	Earth's Water Distribution. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022, , 131-144.	0.0	0
2034	Ecosystem Services Approach and Nature's Contributions to People (NCP) Help Achieve SDG6. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022, , 144-156.	0.0	0
2035	Integrated Water Resources Management: From Spring to Reuse. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022, , 357-369.	0.0	0

#	ARTICLE	IF	CITATIONS
2036	Water purity and sustainable water treatment systems for developing countries. , 2022, , 115-144.		1
2037	Metal Organic Frameworks for Atmospheric Water Harvesting in Desert Environments: A Comparative Study. SSRN Electronic Journal, 0, , .	0.4	0
2038	Wastewater for Agricultural Production, Benefits, Risks, and Limitations. , 2022, , 71-85.		3
2039	Water Use, Fecophobia, and Implications for Public Health. Encyclopedia of the UN Sustainable Development Goals, 2022, , 925-936.	0.0	0
2040	Advanced solar desalination on superwetting surfaces. Journal of Materials Chemistry A, 2022, 10, 19348-19366.	5.2	9
2041	Hydrological implications of large-scale afforestation in tropical biomes for climate change mitigation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	1.8	12
2042	Breathable Self-Assembled Low-Cost Janus Fabrics for Highly Efficient and Stable Solar Desalination. Advanced Functional Materials, 2022, 32, .	7.8	80
2043	Donnan Dialysis Desalination with a Thermally Recoverable Solute. ACS ES&T Engineering, 2022, 2, 2076-2085.	3.7	4
2044	Water Vapor Adsorption by Porous Materials: From Chemistry to Practical Applications. Journal of Chemical & Engineering Data, 2022, 67, 1617-1653.	1.0	18
2045	An Analysis Based on Japonica Rice Root Characteristics and Crop Growth Under the Interaction of Irrigation and Nitrogen Methods. Frontiers in Plant Science, 0, 13, .	1.7	2
2046	High-Performance Hydrogel Based on Modified Chitosan for Removal of Heavy Metal Ions in Borehole: A Case Study from the Bahariya Oasis, Egypt. Catalysts, 2022, 12, 721.	1.6	12
2047	Evaluating dynamics of GRACE groundwater and its drought potential in Taihang Mountain Region, China. Journal of Hydrology, 2022, 612, 128156.	2.3	7
2048	Revision and manipulation of physical models as tools for developing the aquifer model by Preservice Elementary Teachers. International Journal of Science Education, 0, , 1-23.	1.0	1
2049	Widespread shift from ecosystem energy to water limitation with climate change. Nature Climate Change, 2022, 12, 677-684.	8.1	64
2050	Atmospheric water harvesting: Prospectus on graphene-based materials. Journal of Materials Research, 2022, 37, 2227-2240.	1.2	7
2051	Major sport stadia, water resources and climate change: impacts and adaptation. European Sport Management Quarterly, 2023, 23, 59-81.	2.3	5
2052	Impact of Climate and Land-Use Change on Groundwater Resources, Study of Faisalabad District, Pakistan. Atmosphere, 2022, 13, 1097.	1.0	23
2053	Polyzwitterionic Hydrogels for Highly Efficient High Salinity Solar Desalination. Angewandte Chemie - International Edition, 2022, 61, .	7.2	69

#	ARTICLE	IF	CITATIONS
2054	Polyzwitterionic Hydrogels for Highly Efficient High Salinity Solar Desalination. <i>Angewandte Chemie</i> , 2022, 152, 1797-1804.	1.6	2
2055	Research priorities for global food security under extreme events. <i>One Earth</i> , 2022, 5, 756-766.	3.6	27
2056	Fabrication of hygroscopic photothermal fibroin-based aerogels for dehumidification and solar-driven water harvesting. <i>Materials Today Communications</i> , 2022, 32, 103984.	0.9	2
2057	Water resources management of large hydrological basins in semi-arid regions: Spatial and temporal variability of water footprint of the Upper Euphrates River basin. <i>Science of the Total Environment</i> , 2022, 846, 157396.	3.9	10
2058	Coupling solar-driven interfacial evaporation with forward osmosis for continuous water treatment. <i>Exploration</i> , 2022, 2, .	5.4	29
2059	Unveiling the Growth of Polyamide Nanofilms at Water/Organic Free Interfaces: Toward Enhanced Water/Salt Selectivity. <i>Environmental Science & Technology</i> , 2022, 56, 10279-10288.	4.6	27
2060	Water management in rural communities: a step towards achieving sustainability By 2030. <i>Sustainable Water Resources Management</i> , 2022, 8, .	1.0	1
2061	Water Demand Estimation in Service Areas with Limited Numbers of Customer Meters—Case Study in Water and Sanitation Agency (WASA) Lahore, Pakistan. <i>Water (Switzerland)</i> , 2022, 14, 2197.	1.2	2
2062	Efficient, Selective Sodium and Lithium Removal by Faradaic Deionization Using Symmetric Sodium Titanium Vanadium Phosphate Intercalation Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30672-30682.	4.0	9
2063	Climate change impacts on water sustainability of South African crop production. <i>Environmental Research Letters</i> , 2022, 17, 084017.	2.2	8
2064	Comparison of the formation of aldehydes and carboxylic acids in ozonated and electrochemically treated surface water. <i>Chemosphere</i> , 2022, 307, 135664.	4.2	2
2065	High-Efficient Fog Harvest from a Synergistic Effect of Coupling Hierarchical Structures. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33993-34001.	4.0	19
2066	Effects of return flows on stream water quality and availability in the Upper Colorado, Delaware, and Illinois River Basins. , 2022, 1, e0000030.		1
2067	Salinity impacts on irrigation water-scarcity in food bowl regions of the US and Australia. <i>Environmental Research Letters</i> , 2022, 17, 084002.	2.2	3
2068	A regional eco-compensation assessment framework for blue water scarcity based on the spatial effects of socio-economic factors. <i>Journal of Cleaner Production</i> , 2022, 368, 133171.	4.6	3
2069	Membrane desalination for water treatment: recent developments, techno-economic evaluation and innovative approaches toward water sustainability. <i>European Physical Journal Plus</i> , 2022, 137, .	1.2	13
2070	Investigation on mechanical properties improvement of seawater engineered cementitious composites (ECC) using FA/LC2. <i>Construction and Building Materials</i> , 2022, 345, 128271.	3.2	5
2071	PTFE-based composite nanofiber membranes for solar-driven interfacial water evaporation. <i>Materials Today Communications</i> , 2022, 32, 104019.	0.9	3

#	ARTICLE	IF	CITATIONS
2072	Spatial-temporal variation and driving factors decomposition of agricultural grey water footprint in China. <i>Journal of Environmental Management</i> , 2022, 318, 115601.	3.8	30
2073	Comprehensive simulation to uncover the ideal properties of a hollow fiber forward osmosis membrane module for the seawater desalination process. <i>Desalination</i> , 2022, 538, 115923.	4.0	4
2074	Spatial and temporal sensitivity of water footprint assessment in crop production to modelling inputs and parameters. <i>Agricultural Water Management</i> , 2022, 271, 107805.	2.4	5
2075	Integrated multifunctional photothermal membrane for oil/water emulsion separation, dye effluent removal, and solar water purification. <i>Journal of Cleaner Production</i> , 2022, 368, 133094.	4.6	17
2076	Nature-inspired pyramid-shaped 3-dimensional structure for cost-effective heat-localized solar evaporation with high efficiency and salt localization. <i>Applied Thermal Engineering</i> , 2022, 215, 118950.	3.0	6
2077	Design and optimization of hybrid superhydrophobic/hydrophilic pattern surfaces for improving fog harvesting efficiency. <i>Progress in Organic Coatings</i> , 2022, 171, 107016.	1.9	4
2078	Slippery concrete for sanitation. <i>Progress in Organic Coatings</i> , 2022, 171, 107022.	1.9	8
2079	Performance evaluation of a modified pyramid solar still employing wick, reflectors, glass cooling and TiO ₂ nanomaterial. <i>Desalination</i> , 2022, 539, 115939.	4.0	36
2080	Regioselective deposition of hydrophilic sites to enhance the fog collection performance of hydrophilic-hydrophobic surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129574.	2.3	3
2081	Sustainable thin-film condensation with free surface flow through water film network. <i>International Journal of Heat and Mass Transfer</i> , 2022, 196, 123222.	2.5	3
2082	Estimating performance and savings of water leakages and unplanned water supply interruptions in drinking water providers. <i>Resources, Conservation and Recycling</i> , 2022, 186, 106538.	5.3	6
2083	Research on preparation and water collection characteristics of bionic pattern surface for multi-order combination - multi-segment transport. <i>Optics and Laser Technology</i> , 2022, 156, 108482.	2.2	3
2084	Limited water scarcity mitigation by expanded interbasin physical and virtual water diversions with uneven economic value added in China. <i>Science of the Total Environment</i> , 2022, 847, 157625.	3.9	1
2085	Advanced graphene nanosheets approaches to efficient solar thermal water purification system. <i>International Journal of Modern Physics B</i> , 0, , .	1.0	0
2086	The future of the Mediterranean agri-food systems: Trends and perspectives from a Delphi survey. <i>Land Use Policy</i> , 2022, 120, 106263.	2.5	10
2087	Empirical indication for desalinating properties of porous boron nitride. <i>Scripta Materialia</i> , 2022, 220, 114943.	2.6	0
2088	Surfactant-assisted self-assembly of flower-like ultrathin vanadium disulfide nanosheets for enhanced hybrid capacitive deionization. <i>Journal of Colloid and Interface Science</i> , 2022, 627, 1011-1020.	5.0	7
2089	Efficient Fabrication of Desert Beetle-Inspired Micro/Nano-Structures on Polypropylene/Graphene Surface with Hybrid Wettability, Chemical Tolerance, and Passive Anti-Icing for Quantitative Fog Harvesting. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
2090	Construction of Electrospinning Janus Nanofiber Membranes for Efficient Solar-Driven Membrane Distillation. SSRN Electronic Journal, 0, , .	0.4	0
2091	A Study on Evaluation Method and Urban Water Security, Integrated Urban Water Management. European Journal of Science and Technology, 0, , .	0.5	0
2092	Eddy covariance quantification of corn water use and yield responses to irrigations on farm-scale fields. Agronomy Journal, 2022, 114, 2445-2457.	0.9	3
2093	A reconfigurable and magnetically responsive assembly for dynamic solar steam generation. Nature Communications, 2022, 13, .	5.8	52
2094	Wood Scrolls as Highly Efficient All-Day Steam Generators. Advanced Sustainable Systems, 2022, 6, .	2.7	2
2095	Recent Advancements in Electrochemical Biosensors for Monitoring the Water Quality. Biosensors, 2022, 12, 551.	2.3	19
2096	A planetary boundary-based method to assess freshwater use at the global and local scales. Environmental Research Letters, 2022, 17, 094031.	2.2	3
2097	Invisible Effect of Virtual Water Transfer on Water Quantity Conflict in Transboundary Rivers—Taking Ili River as a Case. International Journal of Environmental Research and Public Health, 2022, 19, 8917.	1.2	2
2098	Electrochemical Methods for Water Purification, Ion Separations, and Energy Conversion. Chemical Reviews, 2022, 122, 13547-13635.	23.0	127
2099	Efficient Solar-Powered Interfacial Evaporation, Water Remediation, and Waste Conversion Based on a Tumbler-Inspired, All-Cellulose, and Monolithic Design. Advanced Sustainable Systems, 2022, 6, .	2.7	6
2100	A Wide Bandgap Semiconducting Magnesium Hydrogel: Moisture Harvest, Iodine Sequestration, and Resistive Switching. Langmuir, 2022, 38, 10601-10610.	1.6	13
2101	Microfluidic Salinity Gradient-Induced All-Day Electricity Production in Solar Steam Generation. ACS Applied Materials & Interfaces, 2022, 14, 35802-35808.	4.0	12
2102	Theory of bipolar connections in capacitive deionization and principles of structural design. Electrochimica Acta, 2022, 430, 141066.	2.6	7
2103	Simple Design of a Porous Solar Evaporator for Salt-Free Desalination and Rapid Evaporation. Environmental Science & Technology, 2022, 56, 11818-11826.	4.6	43
2104	Stacked Laser-Induced Graphene Joule Heaters for Desalination and Water Recycling. ACS Applied Nano Materials, 2022, 5, 10991-11002.	2.4	14
2105	Positively Charged Poly(Piperazinamide) Nanofiltration Membranes for the Fast Removal of Metal Ions. Advanced Materials Interfaces, 2022, 9, .	1.9	8
2106	Integrated water resources management in cities in the world: Global solutions. Sustainable Cities and Society, 2022, 86, 104137.	5.1	26
2107	Hybrid Alkali-Salt-Acid Electrochemical Device for Electricity-Efficient Desalination and H ₂ Generation. ACS Sustainable Chemistry and Engineering, 2022, 10, 10781-10788.	3.2	3

#	ARTICLE	IF	CITATIONS
2108	Analysis on Management Policies on Water Quantity Conflict in Transboundary Rivers Embedded with Virtual Water—Using Ili River as the Case. <i>Sustainability</i> , 2022, 14, 9406.	1.6	2
2109	The co-occurrence of water insecurity and food insecurity among Daasanach pastoralists in northern Kenya. <i>Public Health Nutrition</i> , 2023, 26, 693-703.	1.1	11
2110	Seawater Reverse Osmosis Performance Decline Caused by Short-Term Elevated Feed Water Temperature. <i>Membranes</i> , 2022, 12, 792.	1.4	7
2111	A tandem radiative/evaporative cooler for weather-insensitive and high-performance daytime passive cooling. <i>Science Advances</i> , 2022, 8, .	4.7	62
2112	A Multiscale Porous 3D—Fabric Evaporator with Vertically Aligned Yarns Enables Ultra—Efficient and Continuous Water Desalination. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	43
2113	Combining the Water—Energy—Food and Food Waste—Food Loss—Food Security Nexuses to Reduce Resource Waste. <i>Energies</i> , 2022, 15, 5866.	1.6	8
2114	Tailoring the Desorption Behavior of Hygroscopic Gels for Atmospheric Water Harvesting in Arid Climates. <i>Advanced Materials</i> , 2022, 34, .	11.1	62
2115	Permselective graphene-based membranes and their applications in seawater desalination. <i>New Carbon Materials</i> , 2022, 37, 625-640.	2.9	15
2116	Appraisal of Water Security in Asia: The Pentagonal Framework for Efficient Water Resource Management. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 8307.	1.3	0
2117	Crystalline Porous Organic Salt for Ultrarapid Adsorption/Desorption—Based Atmospheric Water Harvesting by Dual Hydrogen Bond System. <i>Angewandte Chemie</i> , 0, , .	1.6	5
2118	Environmentally adaptive MOF-based device enables continuous self-optimizing atmospheric water harvesting. <i>Nature Communications</i> , 2022, 13, .	5.8	50
2119	Prospects for Simultaneously Capturing Carbon Dioxide and Harvesting Water from Air. <i>Advanced Materials</i> , 2022, 34, .	11.1	16
2120	Crystalline Porous Organic Salt for Ultrarapid Adsorption/Desorption—Based Atmospheric Water Harvesting by Dual Hydrogen Bond System. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	24
2121	Flexible Coordination Network Exhibiting Water Vapor—Induced Reversible Switching between Closed and Open Phases. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 39560-39566.	4.0	6
2122	Mixed temperature gradient evaporator for solar steam generation. <i>Cell Reports Physical Science</i> , 2022, 3, 101014.	2.8	4
2123	Assessing China—'s basin-level water footprint through required sustaining land area. <i>Ecological Indicators</i> , 2022, 142, 109252.	2.6	3
2124	Dynamic assessment and influencing factors analysis of water environmental carrying capacity in the Yangtze River Economic Belt, China. <i>Ecological Indicators</i> , 2022, 142, 109214.	2.6	12
2125	Evaluation of parameters controlling calcium recovery and CO ₂ uptake from desalination reject brine: An optimization approach. <i>Journal of Cleaner Production</i> , 2022, 369, 133405.	4.6	6

#	ARTICLE	IF	CITATIONS
2126	Multi-Targeted payments for the balanced management of hydrological and other forest ecosystem services. <i>Forest Ecology and Management</i> , 2022, 522, 120482.	1.4	7
2127	Resources recycle of traditional Chinese medicine (TCM) wastewater 2: The UF-FO-MD hybrid system and wetting prevention. <i>Desalination</i> , 2022, 540, 115968.	4.0	1
2128	Modelling and simulation of flux prediction and salinity variation in direct contact membrane distillation for seawater desalination and brine treatment. <i>Desalination</i> , 2022, 540, 116021.	4.0	11
2129	Development and fluid fluctuation analysis of a novel valve-controlled energy recovery device for small-scale reverse osmosis desalination systems. <i>Desalination</i> , 2022, 540, 115982.	4.0	5
2130	Porous graphene oxide surface-coated thin-film composite membrane for simultaneously increasing permeation performance and organic-fouling migration capacities. <i>Journal of Membrane Science</i> , 2022, 661, 120942.	4.1	10
2131	Polyamide membranes with a ZIF-8@Tannic acid core-shell nanoparticles interlayer to enhance nanofiltration performance. <i>Desalination</i> , 2022, 541, 116042.	4.0	18
2132	Influence of molecular weight cut-off (MWCO) of commercial ultrafiltration substrate on the performance of thin film composite nanofiltration membrane. <i>Desalination</i> , 2022, 541, 116020.	4.0	4
2133	Water and carbon risks within hydropower development on national scale. <i>Applied Energy</i> , 2022, 325, 119872.	5.1	5
2134	Electrically heatable carbon scaffold accommodated monolithic metal-organic frameworks for energy-efficient atmospheric water harvesting. <i>Chemical Engineering Journal</i> , 2023, 451, 138547.	6.6	17
2135	Optimization of Evaporation and Condensation Architectures for Solar-Driven Interfacial Evaporation Desalination. <i>Membranes</i> , 2022, 12, 899.	1.4	4
2136	All-inorganic robust absorber for high-sun solar steam generation and solvent recovery. <i>Solar Energy Materials and Solar Cells</i> , 2022, 247, 111946.	3.0	5
2137	Aluminophosphate - Based adsorbents for atmospheric water generation. <i>Journal of Water Process Engineering</i> , 2022, 49, 103099.	2.6	8
2138	Spatial assessment of groundwater potential using Quantum GIS and multi-criteria decision analysis (QGIS-AHP) in the Sawla-Tuna-Kalba district of Ghana. <i>Journal of Hydrology: Regional Studies</i> , 2022, 43, 101197.	1.0	4
2139	A critical review on thin-film nanocomposite membranes enabled by nanomaterials incorporated in different positions and with diverse dimensions: Performance comparison and mechanisms. <i>Journal of Membrane Science</i> , 2022, 661, 120952.	4.1	32
2140	Polysulfate membrane prepared with a novel porogen for enhanced ultrafiltration performance. <i>Chemical Engineering Journal Advances</i> , 2022, 12, 100397.	2.4	3
2141	Impact of urban and rural food consumption on water demand in China—From the perspective of water footprint. <i>Sustainable Production and Consumption</i> , 2022, 34, 148-162.	5.7	10
2142	Facile synthesis of starch and tellurium doped SrO nanocomposite for catalytic and antibacterial potential: In silico molecular docking studies. <i>International Journal of Biological Macromolecules</i> , 2022, 221, 496-507.	3.6	20
2143	Comprehensive operational parameter analysis of cross-flow hollow fiber membrane humidifier for humidification dehumidification desalination. <i>Desalination</i> , 2022, 542, 116066.	4.0	8

#	ARTICLE	IF	CITATIONS
2144	Degradation of phenol in the bio-cathode of a microbial desalination cell with power generation and salt removal. <i>Bioelectrochemistry</i> , 2022, 148, 108258.	2.4	6
2145	Global spread of water scarcity risk through trade. <i>Resources, Conservation and Recycling</i> , 2022, 187, 106643.	5.3	19
2146	Recent advances in heat pump-coupled desalination systems: A systematic review. <i>Desalination</i> , 2022, 543, 116081.	4.0	16
2147	Multifunctional bio-based photothermal hydrogel for highly efficient seawater desalination and contaminant adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108616.	3.3	7
2148	The optimal irrigation water salinity and salt component for high-yield and good-quality of tomato in Ningxia. <i>Agricultural Water Management</i> , 2022, 274, 107940.	2.4	13
2149	Integrated approaches to nature-based solutions in Africa: Insights from a bibliometric analysis. <i>Nature-based Solutions</i> , 2022, 2, 100031.	1.6	7
2150	Effects of Ultrasonic Seed Treatment on Rice Performances under the Seawater Irrigation. <i>Phyton</i> , 2023, 92, 121-130.	0.4	0
2151	Marine biomass-derived, hygroscopic and temperature-responsive hydrogel beads for atmospheric water harvesting and solar-powered irrigation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 18170-18184.	5.2	16
2152	Water and Climate Change: Water Management in Transboundary River Basins Under Climate Change. <i>Research for Development</i> , 2022, , 165-177.	0.2	0
2153	Freshwater electricity co-generation in solar-driven water desalination: an effective approach toward the water energy nexus. <i>Journal of Materials Chemistry A</i> , 2022, 10, 21273-21278.	5.2	6
2154	Thermodynamic limits of atmospheric water harvesting. <i>Energy and Environmental Science</i> , 2022, 15, 4025-4037.	15.6	19
2155	The enhanced photocatalytic performance and first-principles computational insights of Ba doping-dependent TiO ₂ quantum dots. <i>Nanoscale Advances</i> , 2022, 4, 3996-4008.	2.2	7
2156	Guidelines for Water-Sensitive Informal Settlement Upgrading in the Global South. , 2022, , 1-16.		0
2157	Emerging water crisis: Impact of urbanization on water resources and constructed wetlands as a nature-based solution (NbS). <i>Current Directions in Water Scarcity Research</i> , 2022, , 447-468.	0.2	4
2158	Spatio-temporal variations in the water quality of the Doorndraai Dam, South Africa: An assessment of sustainable water resource management. <i>Current Research in Environmental Sustainability</i> , 2022, 4, 100187.	1.7	13
2159	Future performance of rainwater tanks and impacts on weather variability under climate change scenarios. <i>Environmental Science: Water Research and Technology</i> , 0, , .	1.2	0
2160	Quantitative sustainable design (QSD) for the prioritization of research, development, and deployment of technologies: a tutorial and review. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 2439-2465.	1.2	7
2161	Biomimetic fluorine-free 3D alternating hydrophilic superhydrophobic surfaces with different bump morphologies for efficient water harvesting. <i>Biomaterials Science</i> , 2022, 10, 5831-5837.	2.6	4

#	ARTICLE	IF	CITATIONS
2162	Risiken und Gefährdungen. , 2022, , 79-340.		0
2163	A Novel, Flexible Porous Nanofibrous Hydrogel Interfacial Solar Evaporator for Highly Efficient Seawater and Wastewater Purification. SSRN Electronic Journal, 0, , .	0.4	0
2164	Impact of Pipeline Materials on Water Quality Stability of Desalinated Seawater in the Pipeline Network. SSRN Electronic Journal, 0, , .	0.4	0
2165	Mofs-Mediated Nanoscale Turing Structure in Polyamide Membrane for Enhanced Nanofiltration. SSRN Electronic Journal, 0, , .	0.4	0
2166	A three-dimensional arched solar evaporator based on hydrophilic photothermal fibers inspired by hair for eliminating salt accumulation with desalination application. Journal of Materials Chemistry A, 2022, 10, 21004-21012.	5.2	12
2167	The role of government in urban water management. Current Directions in Water Scarcity Research, 2022, , 341-359.	0.2	0
2168	New Generation Hyperspectral Data From DESIS Compared to High Spatial Resolution PlanetScope Data for Crop Type Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 7846-7858.	2.3	5
2169	Alkali-activated materials as adsorbents for water and wastewater treatment. , 2022, , 143-166.		1
2170	Poly(Caffeic Acid) as Interlayer to Enhance Nanofiltration Performance of Polyamide Composite Membrane. SSRN Electronic Journal, 0, , .	0.4	0
2171	On the Temporal Selectivity of Desalination for a Porous Composite Graphene-copper Membrane (Gcum): A Molecular Dynamics Study. SSRN Electronic Journal, 0, , .	0.4	0
2172	FDM 3D-Printed Volcanic-Shape Structure for Ultrafast Solar-Driven Interfacial Evaporation and Efficient Energy Utilization. SSRN Electronic Journal, 0, , .	0.4	0
2173	3D printed electrospun nanofiber-based pyramid-shaped solar vapor generator with hierarchical porous structure for efficient desalination. Chemical Engineering Journal, 2023, 452, 139402.	6.6	15
2174	Constructing the Ecological Security Pattern of Nujiang Prefecture Based on the Framework of "Importance-Sensitivity-Connectivity". International Journal of Environmental Research and Public Health, 2022, 19, 10869.	1.2	11
2175	Salinity exchange between seawater/brackish water and domestic wastewater through electro dialysis for potable water. Frontiers of Environmental Science and Engineering, 2023, 17, .	3.3	9
2176	Auramine O UV Photocatalytic Degradation on TiO2 Nanoparticles in a Heterogeneous Aqueous Solution. Catalysts, 2022, 12, 975.	1.6	19
2177	Lignin-first biorefining of Nordic poplar to produce cellulose fibers could displace cotton production on agricultural lands. Joule, 2022, 6, 1845-1858.	11.7	28
2178	Antibacterial Activity of Silver Nanoflake (SNF)-Blended Polysulfone Ultrafiltration Membrane. Polymers, 2022, 14, 3600.	2.0	2
2179	Low-Carbon Development from the Energy-Water Nexus Perspective in China's Resource-Based City. Sustainability, 2022, 14, 11869.	1.6	3

#	ARTICLE	IF	CITATIONS
2180	Recent progress in renewable energy based-desalination in the Middle East and North Africa MENA region. <i>Journal of Advanced Research</i> , 2023, 48, 125-156.	4.4	18
2181	Evaluation of water vapor condensation using the thermoelectric cooling technique by experimental and theoretical observations. <i>Physics of Fluids</i> , 0, , .	1.6	0
2182	Hygroscopic polymer gels toward atmospheric moisture exploitations for energy management and freshwater generation. <i>Matter</i> , 2022, 5, 2624-2658.	5.0	20
2183	Humic acids affect photosynthetic quantum efficiency in rice under water deficit. <i>Theoretical and Experimental Plant Physiology</i> , 2022, 34, 463-483.	1.1	2
2184	Fabrication of hydrophilic and hydrophobic membranes inspired by the phenomenon of water absorption and storage of cactus. <i>Frontiers in Materials</i> , 0, 9, .	1.2	2
2186	Well-structured 3D channels within GO-based membranes enable ultrafast wastewater treatment. <i>Nano Research</i> , 2023, 16, 1826-1834.	5.8	6
2187	Impacts of Climate Change and Human Activities on Streamflow of Upper Yongding River Basin, North China. <i>Water (Switzerland)</i> , 2022, 14, 2798.	1.2	1
2188	The water–energy nexus in irrigated agriculture in South Asia: Critical hotspots of irrigation water use, related energy application, and greenhouse gas emissions for wheat, rice, sugarcane, and cotton in Pakistan. <i>Frontiers in Water</i> , 0, 4, .	1.0	3
2189	Understanding synergies and tradeoffs between forests, water, and climate change. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, .	2.8	1
2190	Hydrophobic Ionic Liquids for Efficient Extraction of Oil from Produced Water. <i>Processes</i> , 2022, 10, 1897.	1.3	0
2191	Synthesis and Polyelectrolyte Functionalization of Hollow Fiber Membranes Formed by Solvent Transfer Induced Phase Separation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 43195-43206.	4.0	3
2192	Geodiversity inclusiveness in biodiversity assessment. <i>Progress in Physical Geography</i> , 2023, 47, 414-437.	1.4	6
2193	Exceptional water production yield enabled by batch-processed portable water harvester in semi-arid climate. <i>Nature Communications</i> , 2022, 13, .	5.8	48
2194	Micro- and nano-sized materials for solar evaporators – a review. <i>EPJ Applied Physics</i> , 0, , .	0.3	0
2195	Study of the Scale-Up Effect on the Water Sorption Performance of MOF Materials. <i>ACS Materials Au</i> , 2023, 3, 43-54.	2.6	13
2196	Experimental Investigations and Modeling of Atmospheric Water Generation Using a Desiccant Material. <i>Energies</i> , 2022, 15, 6834.	1.6	4
2197	Interfacial solar steam generation by wood-based devices to produce drinking water: a review. <i>Environmental Chemistry Letters</i> , 2023, 21, 285-318.	8.3	28
2198	Bibliometric and Visual Analysis of Crop Water Footprint: A Widely Used Agricultural Water Resources Evaluation Method. <i>Water (Switzerland)</i> , 2022, 14, 2866.	1.2	4

#	ARTICLE	IF	CITATIONS
2199	A study of cover slope effect on productivity of solar still under Tunisian winter and summer conditions. <i>Environmental Science and Pollution Research</i> , 2023, 30, 14722-14744.	2.7	2
2200	Bioinspired Composite Materials used for Efficient Fog Harvesting with Structures that Consist of Fungi-Mycelia Networks. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 12529-12539.	3.2	11
2201	Validity of an abbreviated Individual Water Insecurity Experiences (IWISSE-4) Scale for measuring the prevalence of water insecurity in low- and middle-income countries. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2022, 12, 647-658.	0.7	4
2202	Gridded 5â€‰arcmin datasets for simultaneously farm-size-specific and crop-specific harvested areas in 56 countries. <i>Earth System Science Data</i> , 2022, 14, 4397-4418.	3.7	1
2203	Assessment of ecological water scarcity in China. <i>Environmental Research Letters</i> , 2022, 17, 104056.	2.2	7
2204	Development and validation of a threeâ€‰dimensional variably saturated flow model for global future water resource assessment â€Targeting saturated groundwater flow in plains â€ <i>Journal of Advances in Modeling Earth Systems</i> , 0, , .	1.3	0
2205	Regional water footprint assessment for a semi-arid basin in India. <i>PeerJ</i> , 0, 10, e14207.	0.9	2
2206	Critical aspects to enable viable solar-driven evaporative technologies for water treatment. <i>Nature Communications</i> , 2022, 13, .	5.8	24
2207	Nanotree array textured lubricant-infused frame for efficient fog harvesting. <i>Materials Today Physics</i> , 2022, 28, 100869.	2.9	9
2208	Artificial water channels engineered thin-film nanocomposite membranes for high-efficient application in water treatment. <i>Separation and Purification Technology</i> , 2022, 303, 122206.	3.9	4
2209	Micro-meso porous biocarbons derived from a typical biopolymer with superior adsorption capacity for methylene blue dye and high-performance supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2022, 924, 116877.	1.9	3
2210	â€Asian water towersâ€™ are not a sustainable solution to the downstream water crisis. <i>Science of the Total Environment</i> , 2023, 856, 159237.	3.9	6
2211	Ionicâ€liquid grafted poly(vinylidene fluoride) with <scp>pH</scp> responsiveness using as water treatment separation membranes for multiâ€dye retention and adsorption. <i>Journal of Applied Polymer Science</i> , 0, , .	1.3	3
2212	Metal-organic frameworks for solar-driven atmosphere water harvesting. <i>Chemical Engineering Journal</i> , 2023, 452, 139656.	6.6	19
2213	Nanofiber-based aerogel integrating photothermal and photocatalytic properties for efficient wastewater treatment. <i>Composites Communications</i> , 2022, 35, 101348.	3.3	9
2214	Transport and collection of water droplets interacting with bioinspired fibers. <i>Advances in Colloid and Interface Science</i> , 2022, 309, 102779.	7.0	5
2215	MOFs-mediated nanoscale Turing structure in polyamide membrane for enhanced nanofiltration. <i>Desalination</i> , 2022, 544, 116146.	4.0	13
2216	Efficient and low-cost solar desalination device with enhanced condensation on nail arrays. <i>Desalination</i> , 2022, 544, 116132.	4.0	10

#	ARTICLE	IF	CITATIONS
2217	Preparation of graphitized carbon-coated glass fiber cloth materials with high mechanical strength, corrosion resistance, and solar-driven water evaporation performance. <i>Solar Energy Materials and Solar Cells</i> , 2022, 248, 112015.	3.0	5
2218	An optical concentrator coupled multistage solar steam generation system for solar thermal-latent heat cascade utilization and water desalination: Performance and economic benefit analysis. <i>Separation and Purification Technology</i> , 2022, 303, 122191.	3.9	6
2219	Bio-efficacy of sequential herbicide application for weed management in dry direct seeded rice. , 2021, 91, .		0
2220	Water Resources in the Middle East. Springer Water, 2022, , 15-27.	0.2	0
2221	Water: How Secure Are We Under Climate Change?. <i>Water Science and Technology Library</i> , 2022, , 3-24.	0.2	0
2222	NDC Enhancement: Opportunities Through Water. , 0, , .		0
2223	Scalable Water Balances from Earth Observations (SWEQ): results from 50 years of remote sensing in hydrology. <i>Water International</i> , 2022, 47, 866-886.	0.4	1
2224	A Critical Review on Economical and Sustainable Solutions for Wastewater Treatment Using Constructed Wetland. <i>Civil and Environmental Engineering Reports</i> , 2022, 32, 260-284.	0.2	2
2225	Biomass Wasteâ€Derived Solar Evaporator for Efficient and Lowâ€Cost Water Evaporation. <i>Energy Technology</i> , 2022, 10, .	1.8	4
2226	Transformation of tobacco biomass into value-added carbohydrate, aromatics, and biochar. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	0
2227	Energy Performance of Water Generators from Gaseous Mixtures by Condensation: Climatic Datasets Choice. <i>Energies</i> , 2022, 15, 7581.	1.6	2
2228	Accounting for Carbon Sink and Its Dominant Influencing Factors in Chinese Ecological Space. <i>Land</i> , 2022, 11, 1822.	1.2	1
2229	Systems thinking for the sustainability transformation of urban water systems. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 1127-1147.	6.6	9
2230	Engineering Metalâ€Phenolic Networks for Solar Desalination with Directional Salt Crystallization. <i>Advanced Materials</i> , 2023, 35, .	11.1	40
2231	High-yield, green and scalable methods for producing MOF-303 for water harvesting from desert air. <i>Nature Protocols</i> , 2023, 18, 136-156.	5.5	80
2232	Photothermal Aerogel Beads Based on Polysaccharides: Controlled Fabrication and Hybrid Applications in Solar-Powered Interfacial Evaporation, Water Remediation, and Soil Enrichment. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 50266-50279.	4.0	17
2233	Rising agricultural water scarcity in China is driven by expansion of irrigated cropland in water scarce regions. <i>One Earth</i> , 2022, 5, 1139-1152.	3.6	24
2234	Real-time and in situ monitoring of evaporation rate and salt precipitation during interfacial solar evaporation. <i>Nano Energy</i> , 2022, 104, 107961.	8.2	4

#	ARTICLE	IF	CITATIONS
2235	Hygroscopicâ€Microgelsâ€Enabled Rapid Water Extraction from Arid Air. <i>Advanced Materials</i> , 0, , .	11.1	20
2236	Investigating Adsorption-Based Atmospheric Water Harvesting Potential for Pakistan. <i>Sustainability</i> , 2022, 14, 12582.	1.6	1
2238	The Surface Water Chemistry (SWatCh) database: a standardized global database of water chemistry to facilitate large-sample hydrological research. <i>Earth System Science Data</i> , 2022, 14, 4667-4680.	3.7	1
2239	Freshwater Production Towards Microgrid Integration: Physics, Progress, and Prospects of Solar-Thermal Evaporation. , 2022, , 100037.		1
2241	Engineered Wood with Hierarchically Tunable Microchannels toward Efficient Solar Vapor Generation. <i>Langmuir</i> , 2022, 38, 12773-12784.	1.6	6
2242	Sizes of atmospheric particulate matters determine the outcomes of their interactions with rainfall processes. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
2243	Microbial Biosensors for Wastewater Monitoring: Mini-Review. <i>Processes</i> , 2022, 10, 2002.	1.3	3
2244	Impact of irrigation regime on morpho-physiological and biochemical attributes and centelloside content in Indian pennywort (<i>Centella asiatica</i>). <i>Irrigation Science</i> , 2023, 41, 23-34.	1.3	4
2245	Partial reduction of graphene oxide toward the facile fabrication of desalination membrane. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 831-842.	1.8	1
2246	Nanostructured Hybrid Hydrogels for Solar-Driven Clean Water Harvesting from the Atmosphere. <i>Materials</i> , 2022, 15, 7538.	1.3	5
2247	A Simple and Efficient Solar Interfacial Evaporation Device Based on Carbonized Cattail and Agarose Hydrogel for Water Evaporation and Purification. <i>Membranes</i> , 2022, 12, 1076.	1.4	3
2248	Global map of a comprehensive drought/flood index and analysis of controlling environmental factors. <i>Natural Hazards</i> , 0, , .	1.6	1
2249	Forecasting solar still performance from conventional weather data variation by machine learning method. <i>Chinese Physics B</i> , 2023, 32, 048801.	0.7	5
2250	Electrosorption of Cu(II) and Zn(II) in Capacitive Deionization by KOH Activation Coconut-Shell Activated Carbon. <i>Arabian Journal for Science and Engineering</i> , 2023, 48, 551-560.	1.7	5
2251	Atmospheric Water Harvesting with Metal-Organic Frameworks and Their Composites: From Materials to Devices. <i>Water (Switzerland)</i> , 2022, 14, 3487.	1.2	6
2252	Hydrophilic modified polydopamine tailored heterogeneous polyamide in thin-film nanocomposite membranes for enhanced separation performance and anti-fouling properties. <i>Journal of Membrane Science</i> , 2023, 666, 121124.	4.1	9
2253	Nanocellulose for Water Treatment Applications. <i>Nanoscience and Technology</i> , 2023, , 301-333.	1.5	0
2254	Graphene-Based Metalâ€Organic Framework Hybrids for Applications in Catalysis, Environmental, and Energy Technologies. <i>Chemical Reviews</i> , 2022, 122, 17241-17338.	23.0	81

#	ARTICLE	IF	CITATIONS
2255	Dynamic simulation and coupling coordination evaluation of water footprint sustainability system in Heilongjiang province, China: A combined system dynamics and coupled coordination degree model. <i>Journal of Cleaner Production</i> , 2022, 380, 135044.	4.6	11
2256	Highly-permeable and antifouling thin-film nanocomposite reverse osmosis membrane: Beneficial effects of 1D/2D g-C ₃ N ₄ nanohybrids. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108902.	3.3	6
2257	3D-printed solar evaporator with seashell ornamentation-inspired structure for zero liquid discharge desalination. <i>Water Research</i> , 2022, 226, 119279.	5.3	15
2258	A resilience-based approach for water resources management over a typical agricultural region in Northwest China under water-energy-food nexus. <i>Ecological Indicators</i> , 2022, 144, 109562.	2.6	11
2259	Ground vibration analysis of leak signals from buried liquid-filled pipes: An experimental investigation. <i>Applied Acoustics</i> , 2022, 200, 109054.	1.7	4
2260	Performance analysis of atmospheric water generator under hot and humid climate conditions: Drinkable water production and system energy consumption. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022, 6, 100270.	2.9	3
2261	A novel, flexible porous nanofibrous hydrogel interfacial solar evaporator for highly efficient seawater and wastewater purification. <i>Chemosphere</i> , 2022, 309, 136818.	4.2	10
2262	Porous structure with stable superhydrophobic surface for high-performance atmospheric fog harvesting. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108771.	3.3	1
2263	Shared responsibility for global water stress from agri-food production and consumption and opportunities for mitigation. <i>Journal of Cleaner Production</i> , 2022, 379, 134628.	4.6	4
2264	A stand-alone remote sensing approach based on the use of the optical trapezoid model for detecting the irrigated areas. <i>Agricultural Water Management</i> , 2022, 274, 107975.	2.4	3
2265	A critical review on the accounting of energy in virtual water trade. <i>Journal of Cleaner Production</i> , 2022, 379, 134558.	4.6	1
2266	Optimal cropping patterns can be conducive to sustainable irrigation: Evidence from the drylands of Northwest China. <i>Agricultural Water Management</i> , 2022, 274, 107977.	2.4	7
2267	Simultaneous removal of organic micropollutants and inorganic heavy metals by nano-calcium peroxide induced Fenton-like treatment. <i>Separation and Purification Technology</i> , 2023, 305, 122474.	3.9	6
2268	On the temporal selectivity of desalination for a porous composite graphene-copper membrane (GCuM): A molecular dynamics study. <i>Desalination</i> , 2023, 546, 116182.	4.0	3
2269	Use of RES-powered desalination in water-stressed regions. A case study in Algarve, Portugal. , 2023, , 93-124.		0
2270	Three-dimensional agricultural water scarcity assessment based on water footprint: A study from a humid agricultural area in China. <i>Science of the Total Environment</i> , 2023, 857, 159407.	3.9	9
2271	Deciphering the electronic-level mechanism of Na ⁺ transport in a graphdiyne desalination membrane with periodic nanopores. <i>Desalination</i> , 2023, 546, 116183.	4.0	6
2272	Construction of electrospinning Janus nanofiber membranes for efficient solar-driven membrane distillation. <i>Separation and Purification Technology</i> , 2023, 305, 122348.	3.9	19

#	ARTICLE	IF	CITATIONS
2292	Hofmeister Effectâ€Enhanced Hydration Chemistry of Hydrogel for Highâ€Efficiency Solarâ€Driven Interfacial Desalination. <i>Advanced Materials</i> , 2023, 35, .	11.1	57
2293	Water Context in Latin America and the Caribbean: Distribution, Regulations and Prospects for Water Reuse and Reclamation. <i>Water (Switzerland)</i> , 2022, 14, 3589.	1.2	7
2294	Estimating national, demographic, and socioeconomic disparities in water insecurity experiences in low-income and middle-income countries in 2020â€21: a cross-sectional, observational study using nationally representative survey data. <i>Lancet Planetary Health</i> , The, 2022, 6, e880-e891.	5.1	10
2295	Theoretical Pathway toward Improved Reverse Osmosis Membrane Selectivity for Neutral Solutes: Inspiration from Gas Separations. <i>Journal of Physical Chemistry C</i> , 2022, 126, 19496-19506.	1.5	0
2296	Global expansion of sustainable irrigation limited by water storage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	13
2297	A shallow constructed wetland combining porous filter material and <i>Rotala rotundifolia</i> for advanced treatment of municipal sewage at low HRT. <i>Environmental Science and Pollution Research</i> , 2023, 30, 27593-27602.	2.7	1
2298	Calculation of seasonal agricultural grey water footprint in monsoon region based on river reference conditions. <i>Ecological Indicators</i> , 2022, 145, 109638.	2.6	2
2299	Chronic crisis: 30 years on from the Dublin Principles and still no market to value water. <i>Water International</i> , 2022, 47, 1048-1059.	0.4	0
2300	Effect of the Structural Changes in a Styrenesulfonate-Based Draw Solute Having a Lower Critical Solution Temperature for the Forward Osmosis Process. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 17227-17234.	1.8	2
2301	Sustainable Water Resources Management Assessment Frameworks (SWRM-AF) for Arid and Semi-Arid Regions: A Systematic Review. <i>Sustainability</i> , 2022, 14, 15293.	1.6	5
2302	Appraising the spillover effect of water use efficiency indicators in sub-Saharan Africa: A spatial econometric approach. <i>Heliyon</i> , 2022, 8, e11672.	1.4	3
2303	Novel insights into graphene oxide-based adsorbents for remediation of hazardous pollutants from aqueous solutions: A comprehensive review. <i>Journal of Molecular Liquids</i> , 2023, 369, 120821.	2.3	10
2304	Development of ceramic membranes for resource recovery from brine through percrystallization. <i>Resources, Conservation and Recycling</i> , 2023, 189, 106768.	5.3	0
2305	A review of Soil and Water Assessment Tool (SWAT) studies of Mediterranean catchments: Applications, feasibility, and future directions. <i>Journal of Environmental Management</i> , 2023, 326, 116799.	3.8	28
2306	Desalination by membrane pervaporation: A review. <i>Desalination</i> , 2023, 547, 116223.	4.0	26
2307	A high-efficiency solar water evaporation-photocatalysis system achieved by manipulating surface wettability and constructing heterojunction. <i>Applied Surface Science</i> , 2023, 611, 155678.	3.1	13
2308	Accelerating filtration by introducing an oscillation paradigm and its atomistic origin. <i>Journal of Materials Chemistry A</i> , 2022, 11, 297-304.	5.2	4
2309	Indirect effects of Covid-19 on water quality. <i>Water-Energy Nexus</i> , 2022, 5, 29-38.	1.7	3

#	ARTICLE	IF	CITATIONS
2310	Importance of protection strategies in the conservation of the flagship species "Salminus brasiliensis (Characiformes: Bryconidae). Neotropical Ichthyology, 2022, 20, .	0.5	1
2311	Environmental impacts of the Australian poultry industry. 1. Chicken meat production. Animal Production Science, 2023, 63, 489-504.	0.6	3
2312	Recent developments of polysaccharide based superabsorbent nanocomposite for organic dye contamination removal from wastewater " A review. Environmental Research, 2023, 217, 114909.	3.7	42
2313	Quantitative evaluation of variation and driving factors of the regional water footprint for cotton production in China. Sustainable Production and Consumption, 2023, 35, 684-696.	5.7	4
2314	Pinch Analysis for regional water scarcity assessment. , 2023, , 595-632.		2
2315	Highly efficient solar driven cogeneration of freshwater and electricity. Journal of Materials Chemistry A, 2023, 11, 1866-1876.	5.2	9
2316	A quadruple biomimetic hydrophilic/hydrophobic Janus composite material integrating Cu(OH) ₂ micro-needles and embedded bead-on-string nanofiber membrane for efficient fog harvesting. Chemical Engineering Journal, 2023, 455, 140863.	6.6	25
2317	A generalized reservoir module for SWAT applications in watersheds regulated by reservoirs. Journal of Hydrology, 2023, 616, 128770.	2.3	4
2318	Perception changes and the attribution of the impact of Lancang-Mekong hydropower dams in the media of riparian countries from 1971 to 2020. Journal of Hydrology: Regional Studies, 2023, 45, 101302.	1.0	0
2319	Assessing future availability of water resources in Taiwan based on the Budyko framework. Ecological Indicators, 2023, 146, 109808.	2.6	0
2320	An easily scalable, durable, and highly efficient three-dimensional solar evaporator inspired by a rice paddy field. Desalination, 2023, 548, 116251.	4.0	7
2321	A source tracking framework for attribution of reservoir fluxes in multi-reservoir systems. Journal of Hydrology, 2023, 617, 128953.	2.3	1
2322	Structures and performance of alcohol activated thin film composite polyamide (TFC-PA) nanofiltration (NF) membranes prepared with and without Co(II) modulation. Desalination, 2023, 548, 116242.	4.0	6
2323	Electro-deionization (EDI) technology for enhanced water treatment and desalination: A review. Desalination, 2023, 548, 116254.	4.0	18
2324	FDM 3D-printed volcanic-shaped structure for ultrafast solar-driven interfacial evaporation and efficient energy utilization. Desalination, 2023, 548, 116275.	4.0	16
2325	Water transfer infrastructure buffers water scarcity risks to supply chains. Water Research, 2023, 229, 119442.	5.3	10
2326	Highly functionalized photo-activated metal-organic frameworks for dye degradation: Recent advancements. Materials Today Communications, 2023, 34, 105180.	0.9	4
2327	Bioinspired slippery asymmetric bumps of candle soot coating for condensation and directional transport of water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 658, 130574.	2.3	0

#	ARTICLE	IF	CITATIONS
2346	Hydrodynamical Assessment of the Recent Droughts at Gallinas River in San Luis Potosí-México and Its Impact on the Waterfall Tamul. <i>Water (Switzerland)</i> , 2022, 14, 3877.	1.2	1
2347	Membrane distillation crystallization for water and mineral recovery: The occurrence of fouling and its control during wastewater treatment. <i>Frontiers in Chemical Engineering</i> , 0, 4, .	1.3	7
2348	Hydrogel Nanocomposite Adsorbents and Photocatalysts for Sustainable Water Purification. <i>Advanced Materials Interfaces</i> , 2023, 10, .	1.9	38
2349	Integrative Bioinspired Surface with Annular Pattern and Three Dimension Wetttable Gradient for Enhancement of Fog Collection. <i>Advanced Materials Interfaces</i> , 2023, 10, .	1.9	4
2350	An integrative analytical framework and evaluation system of water environment security in the context of agricultural non-point source perspective. <i>Environmental Research Communications</i> , 2023, 5, 015009.	0.9	2
2351	Development of activated carbon for removal of pesticides from water: case study. <i>Scientific Reports</i> , 2022, 12, .	1.6	10
2352	Network Governance at the Margin of the State: Rural Drinking Water Communities in Chile. <i>Environmental Management</i> , 2023, 71, 451-464.	1.2	2
2353	Smallholder farmers' perceptions of and adaptations to water scarcity in an irrigated system in Chiapas, Mexico. <i>International Journal of Water Resources Development</i> , 2023, 39, 773-795.	1.2	0
2354	Increasing freshwater supply to sustainably address global water security at scale. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
2355	Treated wastewater as a sustainable alternative to concrete manufacturing: a literature review on its performance. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 8157-8174.	1.8	1
2356	A 3D photothermal bar for efficient steam generation. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109179.	3.3	2
2357	Design and implementation of a new portable hybrid solar atmospheric water-generation system. <i>Clean Energy</i> , 2022, 6, 879-892.	1.5	1
2358	Retrieving time series of river water extent from global inland water data sets. <i>Journal of Hydrology</i> , 2023, 617, 128880.	2.3	2
2359	Tunnel-Structured V_2O_5 as a Redox-Active Insertion Host for Hybrid Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 1554-1562.	4.0	1
2360	Municipal wastewater treatment with corrugated PVC carrier anaerobic baffled reactor. <i>Water Science and Technology</i> , 2023, 87, 660-671.	1.2	1
2361	Water footprint of small-scale dairy farms in the central coast of Peru. <i>Tropical Animal Health and Production</i> , 2023, 55, .	0.5	2
2362	Water use efficiency evolution in the Yellow River Basin: an integrated analysis of spatial-temporal decomposition. <i>Hydrological Sciences Journal</i> , 2023, 68, 119-130.	1.2	3
2363	A bibliometrics review of hotspots in water footprint research based on co-words network analysis. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	3

#	ARTICLE	IF	CITATIONS
2364	Decentralized Solar-Driven Photothermal Desalination: An Interdisciplinary Challenge to Transition Lab-Scale Research to Off-Grid Applications. <i>ACS Photonics</i> , 2022, 9, 3764-3776.	3.2	5
2365	Impact of international trade on water scarcity: An assessment by improving the Falkenmark indicator. <i>Journal of Cleaner Production</i> , 2023, 385, 135740.	4.6	2
2366	Biodesalination Research Trends: A Bibliometric Analysis and Recent Developments. <i>Sustainability</i> , 2023, 15, 16.	1.6	7
2367	In Situ Implantation of Bi ₂ S ₃ Nanorods into Porous Quasi-Bi-MOF Architectures: Enabling Synergistic Dissociation of Borohydride for an Efficient and Fast Catalytic Reduction of 4-Nitrophenol. <i>Inorganic Chemistry</i> , 2022, 61, 19847-19856.	1.9	7
2368	Environmental and Socioeconomic Determinants of Virtual Water Trade of Grain Products: An Empirical Analysis of South Korea Using Decomposition and Decoupling Model. <i>Agronomy</i> , 2022, 12, 3105.	1.3	2
2369	Wettability-Patterned Meshes for Efficient Fog Collection Enabled by Polymer-Assisted Laser Sintering. <i>ACS Applied Polymer Materials</i> , 2023, 5, 614-624.	2.0	5
2370	Temperature-gradient-induced enhanced fog collection on polymer brush surfaces. <i>Chemical Engineering Journal</i> , 2023, 455, 140785.	6.6	3
2371	Survival in desert: Extreme water adaptations and bioinspired structural designs. <i>iScience</i> , 2023, 26, 105819.	1.9	6
2372	Multifunction ZnO/carbon hybrid nanofiber mats for organic dyes treatment via photocatalysis with enhanced solar-driven evaporation. <i>Frontiers of Materials Science</i> , 2022, 16, .	1.1	1
2373	Janus porous membranes with asymmetric wettability and self-floating properties for solar desalination. <i>Journal of Polymer Research</i> , 2023, 30, .	1.2	1
2374	A Weaving Method to Prepare Double-Layer Janus Fabric for Oil-Water Separation. <i>Fibers and Polymers</i> , 2022, 23, 3624-3637.	1.1	1
2375	Photonic crystals umbrella for thermal desalination: simulation study. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
2376	Atmospheric water harvesting with scale-up potentials using natural sunlight and passive cooling. <i>Natural Sciences</i> , 2023, 3, .	1.0	2
2377	Self-cleaning solar water evaporation device based on polyaniline/TiO ₂ /natural cellulose fibers for contaminant water. <i>Science China Materials</i> , 2023, 66, 1607-1614.	3.5	2
2378	How can virtual water trade reshape water stress pattern? A global evaluation based on the metacoupling perspective. <i>Ecological Indicators</i> , 2022, 145, 109712.	2.6	1
2379	Removal of heavy metals and dyes from its aqueous solution utilizing metal organic Frameworks (MOFs): Review. <i>Materials Today: Proceedings</i> , 2023, 77, 188-200.	0.9	6
2380	Temporal Trends in Water Discharge Characteristics of the Large Peninsular Rivers: Assessing the Role of Climatic and Anthropogenic Factors. <i>Society of Earth Scientists Series</i> , 2022, , 321-331.	0.2	0
2381	Atmospheric water harvesting using functionalized carbon nanocones. <i>Beilstein Journal of Nanotechnology</i> , 0, 14, 1-10.	1.5	4

#	ARTICLE	IF	CITATIONS
2382	Water bridge solar evaporator with salt-resistance and heat localization for efficient desalination. <i>Journal of Materials Chemistry A</i> , 2023, 11, 3118-3125.	5.2	12
2383	A robust and 3D-printed solar evaporator based on naturally occurring molecules. <i>Science Bulletin</i> , 2023, 68, 203-213.	4.3	59
2384	Regional coupled surface–subsurface hydrological model fitting based on a spatially distributed minimalist reduction of frequency domain discharge data. <i>Geoscientific Model Development</i> , 2023, 16, 353-381.	1.3	0
2385	Pushing the Limit of Beetle-Inspired Condensation on Biphilic Quasi-Liquid Surfaces. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	16
2386	Achieving Energy-Saving, Continuous Redox Flow Desalination with Iron Chelate Redoxmers. <i>Energy Material Advances</i> , 2023, 4, .	4.7	4
2387	Lab-scale electrostatic droplet collection from a fog plume with droplet evaporation. <i>Applied Thermal Engineering</i> , 2023, 223, 120044.	3.0	3
2388	Hydro-Environmental Sustainability of Crop Production under Socioeconomic Drought. <i>Water (Switzerland)</i> , 2023, 15, 288.	1.2	1
2390	2D Covalent Organic Framework for Water Harvesting with Fast Kinetics and Low Regeneration Temperature. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
2391	2D Covalent Organic Framework for Water Harvesting with Fast Kinetics and Low Regeneration Temperature. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	16
2393	Ohmic charging in capacitive deionization: Efficient water desalination using capacitive spacers. <i>Nano Select</i> , 0, , .	1.9	0
2394	Fully 3D Modeling of Electrochemical Deionization. <i>ACS Omega</i> , 2023, 8, 2607-2617.	1.6	3
2395	Flake-like CuO nanostructure coated on flame treated eucalyptus wood evaporator for efficient solar steam generation at outdoor conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 662, 130975.	2.3	6
2396	Applications of Fluorescent Carbon Dots as Photocatalysts: A Review. <i>Catalysts</i> , 2023, 13, 179.	1.6	15
2397	Desalination behavior of composite membrane with petal shaped pore–formed by superimposition of covalent organic framework with large aperture difference. <i>Applied Surface Science</i> , 2023, 616, 156441.	3.1	6
2399	Metal-organic frameworks for high performance desalination through thickness control and structural fine-tuning. <i>Water Research</i> , 2023, 230, 119576.	5.3	4
2400	Round-the-clock interfacial solar vapor generator enabled by form-stable phase change materials with enhanced photothermal conversion capacity. <i>Energy Conversion and Management</i> , 2023, 277, 116634.	4.4	16
2401	Renewable hydrogen production using non-potable water: Thermal integration of membrane distillation and water electrolysis stack. <i>Applied Energy</i> , 2023, 333, 120581.	5.1	7
2402	Carbonized waste polyphenylene sulfide non-woven decorated wood evaporator for clean water production from solar photothermal desalination. <i>Desalination</i> , 2023, 550, 116362.	4.0	11

#	ARTICLE	IF	CITATIONS
2403	Thin film composite nanofiltration membrane with nanocluster structure mediated by graphene oxide/metal-polyphenol nanonetwork scaffold interlayer. <i>Journal of Membrane Science</i> , 2023, 669, 121330.	4.1	9
2404	Polyamide nanofilms synthesized by a sequential process of blade coating-spraying-interfacial polymerization toward reverse osmosis. <i>Separation and Purification Technology</i> , 2023, 310, 123122.	3.9	6
2405	Low-cost, scalable, and durable coal-based composite aerogel beads solar evaporator for efficient seawater desalination and wastewater purification. <i>Desalination</i> , 2023, 550, 116401.	4.0	5
2406	Water insecurity, housing tenure, and the role of informal water services in Nairobi's slum settlements. <i>World Development</i> , 2023, 164, 106165.	2.6	1
2407	Design of Nanostructured Surfaces for Efficient Condensation by Controlling Condensation Modes. <i>Micromachines</i> , 2023, 14, 50.	1.4	0
2408	Streamflow-based watershed resilience assessment in a tropical savannah region of India. <i>Environment, Development and Sustainability</i> , 2024, 26, 4245-4267.	2.7	0
2409	Water-Energy-Food Nexus Components: Assessment of Water Footprint in Rice Production in Malaysia Using the LCA Approach. , 2023, 8, 113-125.		3
2410	Self-floating solar evaporator based on kapok fiber for high-performance solar steam generation. <i>Cellulose</i> , 0, .	2.4	1
2411	Baseflow Trends for Midsize Carpathian Catchments in Poland and Slovakia in 1970-2019. <i>Water (Switzerland)</i> , 2023, 15, 109.	1.2	3
2412	Synergistic effect of Fe ₃ O ₄ nanoparticles and Au nanolayer in enhancement of interfacial solar steam generation. <i>Materials Research Bulletin</i> , 2023, 162, 112178.	2.7	6
2413	Evaluating the Impacts of Environmental and Anthropogenic Factors on Water Quality in the Bumbu River Watershed, Papua New Guinea. <i>Water (Switzerland)</i> , 2023, 15, 489.	1.2	5
2414	Efficient Removal of Chlorine Ions by Ultrafine Fe ₃ C Nanoparticles Encapsulated in a Graphene/N-Doped Carbon Hybrid Electrode: Redox and Confinement Effect. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 2324-2333.	3.2	11
2415	A GIS-based interactive map enabling data-driven decision-making in Nigeria's food supply chain. <i>MethodsX</i> , 2023, 10, 102047.	0.7	1
2416	Metal-Organic Frameworks for Water Harvesting and Concurrent Carbon Capture: A Review for Hygroscopic Materials. <i>Advanced Materials</i> , 2024, 36, .	11.1	25
2417	Polypyrrole-Barium Ferrite Magnetic Cryogels for Water Purification. <i>Gels</i> , 2023, 9, 92.	2.1	5
2418	Bibliometric analysis of surface water detection and mapping using remote sensing in South America. <i>Scientometrics</i> , 2023, 128, 1667-1688.	1.6	2
2419	Environmental impacts of the Australian poultry industry. 2. Egg production. <i>Animal Production Science</i> , 2023, 63, 505-521.	0.6	1
2420	The effectiveness of local sands of Indonesian South Sulawesi as filtration material in water treatment plant. <i>Sustainable Water Resources Management</i> , 2023, 9, .	1.0	0

#	ARTICLE	IF	CITATIONS
2421	Treatment of Brackish Water Inland Desalination Brine via Antiscalant Removal Using Persulfate Photolysis. <i>Environmental Science: Water Research and Technology</i> , 0, , .	1.2	0
2422	Molecular Dynamics Simulations of High-Performance, Dissipationless Desalination across Self-Assembled Amyloid Beta Nanotubes. <i>Small</i> , 0, , 2205420.	5.2	0
2423	Stable, Cost-Effective TiN-Based Plasmonic Nanocomposites with over 99% Solar Steam Generation Efficiency. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	25
2424	Synthesis and Characterization of Nanofiltration Membrane. , 2023, , 17-35.		0
2425	Membrane-based water and wastewater treatment technologies: Issues, current trends, challenges, and role in achieving sustainable development goals, and circular economy. <i>Chemosphere</i> , 2023, 320, 137993.	4.2	30
2426	Cost-Effective, Sanitary Shallow Water Wells for Agriculture and Small Communities Using Mechanized Tube Well Installation. , 0, , .		0
2427	Estimating Green and Blue Water Footprint of Major Cereal and Vegetable Crops in Salale Zone, Oromia, Ethiopia. <i>Journal of Water and Environment Technology</i> , 2023, 21, 83-96.	0.3	0
2428	Introduction and Basic Principle of Nanofiltration Membrane Process. , 2023, , 1-15.		0
2429	Exploring the drivers of quantity- and quality-related water scarcity due to trade for each province in China. <i>Journal of Environmental Management</i> , 2023, 333, 117423.	3.8	4
2430	Investigating underground water salinity in east coastline of Tamil Nadu, India and improving its quality through solar assisted desalination. <i>Urban Climate</i> , 2023, 49, 101440.	2.4	16
2431	Assessment of vulnerability to water shortage in semi-arid river basins: The value of demand reduction and storage capacity. <i>Science of the Total Environment</i> , 2023, 871, 161964.	3.9	9
2432	Groundwater Scarcity in Urban Areas Is a Major Issue: Case Studies from West Bengal. , 2023, , 143-165.		0
2433	Assessing Suitability of Irrigation Scheduling Decision Support Systems for Lowland Rice Farmers in Sub-Saharan Africa—A Review. <i>Agricultural Sciences</i> , 2023, 14, 219-239.	0.2	0
2434	Application of 3D Printing Technology in Sensor Development for Water Quality Monitoring. <i>Sensors</i> , 2023, 23, 2366.	2.1	4
2435	Numerical examination of water production by underground condensation system. <i>International Journal of Modelling and Simulation</i> , 0, , 1-14.	2.3	0
2436	Graphene Utilization for Efficient Energy Storage and Potential Applications: Challenges and Future Implementations. <i>Energies</i> , 2023, 16, 2927.	1.6	5
2437	Analysis of a novel solid desiccant evaporative cooling system integrated with a humidification-dehumidification desalination unit. <i>Desalination</i> , 2023, 550, 116394.	4.0	6
2438	Multilevel design strategies of high-performance interfacial solar vapor generation: A state of the art review. <i>Chemical Engineering Journal</i> , 2023, 460, 141716.	6.6	17

#	ARTICLE	IF	CITATIONS
2439	Enhanced capacitance and desalination performance with plasma activated biochar electrodes. <i>Energy Technology</i> , 0, , .	1.8	0
2440	Characterizing spatial&temporal drought risk heterogeneities: A hazard, vulnerability and resilience-based modeling. <i>Journal of Hydrology</i> , 2023, 619, 129321.	2.3	5
2442	Order-of-magnitude enhancement in boron removal by membrane-free capacitive deionization. <i>Chemical Engineering Journal</i> , 2023, 466, 142722.	6.6	5
2443	Impact assessment of climate change on water resources of the Kokcha watershed: a sub-basin of the Amu Darya river basin in Afghanistan. <i>Journal of Water and Climate Change</i> , 0, , .	1.2	0
2444	Preferred Mode of Atmospheric Water Vapor Condensation on Nanoengineered Surfaces: Dropwise or Filmwise?. <i>Langmuir</i> , 2023, 39, 5396-5407.	1.6	5
2445	Synergies and potential of hybrid solar photovoltaic-thermal desalination technologies. <i>Desalination</i> , 2023, 552, 116424.	4.0	21
2446	Eddy covariance assessment of alternate wetting and drying floodwater management on rice methane emissions. <i>Heliyon</i> , 2023, 9, e14696.	1.4	1
2447	Preparation of multi-layered microcapsule-shaped activated biomass carbon with ultrahigh surface area from bamboo parenchyma cells for energy storage and cationic dyes removal. <i>Journal of Cleaner Production</i> , 2023, 396, 136517.	4.6	12
2448	Freshwater Shortage, Salinity Increase, and Global Food Production: A Need for Sustainable Irrigation Water Desalination&A Scoping Review. <i>Earth</i> , 2023, 4, 223-240.	0.9	7
2449	Greywater as a water resource in agriculture: The acceptance and perception from Brazilian agricultural technicians. <i>Agricultural Water Management</i> , 2023, 280, 108227.	2.4	2
2450	Integrated management approaches enabling sustainable rice production under alternate wetting and drying irrigation. <i>Agricultural Water Management</i> , 2023, 281, 108265.	2.4	7
2451	Load-responsive bionic kirigami structures for high-efficient fog harvesting. <i>Chemical Engineering Journal</i> , 2023, 464, 142549.	6.6	7
2452	Techno-economic and life cycle analysis of circular phosphorus systems in agriculture. <i>Science of the Total Environment</i> , 2023, 872, 162016.	3.9	5
2453	Tailoring properties and performance of thin-film composite membranes by salt additives for water treatment: A critical review. <i>Water Research</i> , 2023, 234, 119821.	5.3	7
2454	High-performance desalination systems from natural luffa vine: A simple, efficient and environmentally friendly solution for bio-based solar evaporators. <i>Journal of Cleaner Production</i> , 2023, 402, 136817.	4.6	7
2455	Recent advances in MXene-based membrane for solar-driven interfacial evaporation desalination. <i>Chemical Engineering Journal</i> , 2023, 464, 142508.	6.6	31
2456	Fabrication of novel thin-film nanocomposite polyamide membrane by the interlayer approach: A review. <i>Desalination</i> , 2023, 554, 116509.	4.0	20
2457	Agricultural water-saving potentials with water footprint benchmarking under different tillage practices for crop production in an irrigation district. <i>Agricultural Water Management</i> , 2023, 282, 108274.	2.4	4

#	ARTICLE	IF	CITATIONS
2458	Forward osmosis process for energy materials recovery from industrial wastewater with simultaneous recovery of reusable water: a sustainable approach. <i>Materials Today Sustainability</i> , 2023, 22, 100361.	1.9	3
2459	Freshwater competition among agricultural, industrial, and municipal sectors in a water-scarce country. Lessons of Pakistan's fifty-year development of freshwater consumption for other water-scarce countries. <i>Water Resources and Industry</i> , 2023, 29, 100206.	1.9	0
2460	Applying climate reparative finance toward water security. <i>Science of the Total Environment</i> , 2023, 875, 162506.	3.9	1
2461	Metal organic frameworks (MOFs) for the removal of dissolved silica before reverse osmosis desalination. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109844.	3.3	4
2462	Efficient water adsorption of UiO-66 at low pressure using confined growth and ligand exchange strategies. <i>Journal of Solid State Chemistry</i> , 2023, 322, 123970.	1.4	2
2463	Shift of phytoplankton assemblages in a temperate lake located on the eastern route of the South-to-North Water Diversion Project. <i>Environmental Research</i> , 2023, 227, 115805.	3.7	5
2464	Revealing the confinement effects of graphitic carbon nitride nanochannels on the water desalination performance. <i>Separation and Purification Technology</i> , 2023, 314, 123553.	3.9	3
2465	Impact of pipeline materials on water quality stability of desalinated seawater in the pipeline network. <i>Desalination</i> , 2023, 556, 116558.	4.0	2
2466	All-natural, eco-friendly composite foam for highly efficient atmospheric water harvesting. <i>Nano Energy</i> , 2023, 110, 108371.	8.2	10
2467	Spatiotemporal changes of agricultural water footprint and its driving factors using the ARDL model in the Hexi corridor, China. <i>Journal of Arid Environments</i> , 2023, 213, 104966.	1.2	5
2468	Multistage interfacial thermal desalination system with metallic evaporators. <i>Desalination</i> , 2023, 556, 116576.	4.0	0
2469	Preparation of highly permeable and selective nanofiltration membranes with antifouling properties by introducing the capsaicin derivative into polyamide thin selective layer by bidirectional interfacial polymerization. <i>Journal of Membrane Science</i> , 2023, 675, 121569.	4.1	6
2470	Ultrafast sorption of micro-oil droplets within water by superhydrophobic-superoleophilic conical micro-arrays. <i>Separation and Purification Technology</i> , 2023, 315, 123651.	3.9	5
2471	MOF Linker Extension Strategy for Enhanced Atmospheric Water Harvesting. <i>ACS Central Science</i> , 2023, 9, 551-557.	5.3	22
2472	Development of Hydrophobic Coal-Fly-Ash-Based Ceramic Membrane for Vacuum Membrane Distillation. <i>Materials</i> , 2023, 16, 3153.	1.3	2
2473	Evaporator fabricated with accessible photothermal material derived from waste fallen leaves for highly efficient desalination. <i>Applied Surface Science</i> , 2023, 619, 156728.	3.1	9
2474	A novel single-scan printing approach for polyamide membranes by electrospray technique on polydopamine pre-coated substrate. <i>Journal of Membrane Science</i> , 2023, 673, 121461.	4.1	1
2475	Temporal dynamics, driving factor and mutual relationship analysis for the holistic virtual water trade network in China (2002–2017). <i>Environmental Impact Assessment Review</i> , 2023, 101, 107127.	4.4	4

#	ARTICLE	IF	CITATIONS
2476	Adaptability analysis of water pollution and advanced industrial structure in Jiangsu Province, China. <i>Ecological Modelling</i> , 2023, 481, 110365.	1.2	21
2477	Hydrophilic-hydrophobic heterogeneous interface enables the formation of a high-performance polyamide membrane for water purification. <i>Separation and Purification Technology</i> , 2023, 316, 123752.	3.9	4
2478	An efficient Fog-harvesting hybrid Super-Wettable surface using imprinted MoS ₂ nanoflowers. <i>Applied Surface Science</i> , 2023, 626, 157208.	3.1	4
2479	Guidelines for Water-Sensitive Informal Settlement Upgrading in the Global South. , 2022, , 772-787.		0
2480	Water footprint and virtual water flows from the Global South: Foundations for sustainable agriculture in periods of drought. <i>Science of the Total Environment</i> , 2023, 869, 161526.	3.9	6
2481	Effects of elevated arsenic and nitrate concentrations on groundwater resources in deltaic region of Sundarban Ramsar site, Indo-Bangladesh region. <i>Marine Pollution Bulletin</i> , 2023, 188, 114618.	2.3	12
2482	Biofilm characteristics for providing resilient denitrification in a hydrogen-based membrane biofilm reactor. <i>Water Research</i> , 2023, 231, 119654.	5.3	6
2483	Improving the Quality of Reclaimed Water via Applying <i>Spirulina platensis</i> to Eliminate Residual Nitrate. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 2117.	1.2	4
2484	A novel BN/TiO ₂ /HNT nanocomposite for photocatalytic applications fabricated by electrospinning. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 662, 131043.	2.3	9
2485	Understanding Greenhouse Growers's Willingness to Use Municipal Recycled Water on Food Crops: The Need for Tailored Outreach Coupled with Deep Engagement to Increase Adoption. <i>HortTechnology</i> , 2023, 33, 161-167.	0.5	0
2486	Quaternary ammonium salts modification preparing charged Janus nanofiltration membrane for the simultaneous separation of divalent anions and cations. <i>Journal of Membrane Science</i> , 2023, 672, 121440.	4.1	5
2487	Closing the Gap Between Theory and Practice in Tobacco Irrigation in Bangladesh: Experiment and Modeling. <i>Water Conservation Science and Engineering</i> , 2023, 8, .	0.9	0
2488	Fault Detection in Wastewater Treatment Plants: Application of Autoencoders Models with Streaming Data. <i>Communications in Computer and Information Science</i> , 2023, , 55-70.	0.4	2
2489	Global water resources and the role of groundwater in a resilient water future. <i>Nature Reviews Earth & Environment</i> , 2023, 4, 87-101.	12.2	119
2490	Progress on fundamentals of adsorption transport of metal-organic frameworks materials and sustainable applications for water harvesting and carbon capture. <i>Journal of Cleaner Production</i> , 2023, 393, 136253.	4.6	6
2491	Dynamic flux modelling of a modular ultrafiltration unit with depleting hydrostatic pressure and its fouling study. <i>Materials Today: Proceedings</i> , 2023, , .	0.9	0
2492	Salt-resistant wood-based solar steam generator with top-down water supply for high-yield and long-term desalination of seawater and brine water. <i>Chemical Engineering Journal</i> , 2023, 460, 141622.	6.6	25
2493	Future global streamflow declines are probably more severe than previously estimated. , 2023, 1, 261-271.		18

#	ARTICLE	IF	CITATIONS
2494	Tuning the Cation/Anion Adsorption Balance with a Multi-Electrode Capacitive-Deionization Process. <i>Journal of the Electrochemical Society</i> , 2023, 170, 023502.	1.3	0
2495	A satellite-based monitoring system for quantifying surface water and mesic vegetation dynamics in a semi-arid region. <i>Ecological Indicators</i> , 2023, 147, 109965.	2.6	8
2496	Modelling of atmospheric water generation using desiccant coated heat exchangers: A parametric study. <i>Energy Conversion and Management</i> , 2023, 279, 116746.	4.4	2
2497	Understanding lead and mercury adsorption by post-synthetically modified linkers in UiO-66 MOF. A computational theoretical study. <i>Molecular Simulation</i> , 2023, 49, 481-488.	0.9	1
2498	Growing control of climate change on water scarcity alleviation over northern part of China. <i>Journal of Hydrology: Regional Studies</i> , 2023, 46, 101332.	1.0	3
2499	An Exploration of Customers' Satisfaction with Water and Wastewater Services in the UK. <i>Water Economics and Policy</i> , 0, , .	0.3	1
2500	Floating Photovoltaic Plants as an Effective Option to Reduce Water Evaporation in Water-Stressed Regions and Produce Electricity: A Case Study of Lake Nasser, Egypt. <i>Water (Switzerland)</i> , 2023, 15, 635.	1.2	10
2501	Adsorption-based atmospheric water harvesting by passive radiative condensers for continuous decentralized water production. <i>Applied Thermal Engineering</i> , 2023, 225, 120163.	3.0	6
2502	Assessing the Feasibility of Rooftop Rainwater Harvesting for Food Production in Northwestern Arizona on the Hualapai Indian Reservation. <i>Sustainability</i> , 2023, 15, 2891.	1.6	0
2503	Performance Evaluation of Hydroponic Wastewater Treatment Plant Integrated with Ensemble Learning Techniques: A Feature Selection Approach. <i>Processes</i> , 2023, 11, 478.	1.3	1
2504	Identifying river water sources using end-member mixing analysis in a subtropical monsoon basin China. <i>Hydrological Processes</i> , 2023, 37, .	1.1	1
2505	Data Integration for Investigating Drivers of Water Quality Variability in the Banja Reservoir Watershed. <i>Water (Switzerland)</i> , 2023, 15, 607.	1.2	1
2506	Analysis of Operational Parameters in Acid and Base Production Using an Electrodialysis with Bipolar Membranes Pilot Plant. <i>Membranes</i> , 2023, 13, 200.	1.4	3
2507	Strategic Implementation of Integrated Water Resource Management in Selected Areas of Palawan: SWOT-AHP Method. <i>Sustainability</i> , 2023, 15, 2922.	1.6	6
2508	Spatiotemporal evolution of water ecological footprint based on the energy-spatial autocorrelation method. <i>Environmental Science and Pollution Research</i> , 2023, 30, 47844-47860.	2.7	3
2509	Understanding human water turnover in times of water scarcity. <i>Cell Metabolism</i> , 2023, 35, 231-232.	7.2	0
2510	Inhibition of condensation-induced droplet wetting by nano-hierarchical surfaces. <i>Chemical Engineering Journal</i> , 2023, 460, 141761.	6.6	8
2511	Anion Effect on Forward Osmosis Performance of Tetrabutylphosphonium-Based Draw Solute Having a Lower Critical Solution Temperature. <i>Membranes</i> , 2023, 13, 211.	1.4	2

#	ARTICLE	IF	CITATIONS
2512	Review of Various Impacts of Climate Change in South Asia Region, Specifically Pakistan. Springer Climate, 2023, , 269-296.	0.3	0
2513	Zwitterions fine-tune interactions in electrolyte solutions. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	2
2514	Smart Strategies for Light and Thermal Management in High-Efficiency Solar Steam Generation. Solar Rrl, 2023, 7, .	3.1	11
2515	High-Performance Polyamide Reverse Osmosis Membrane Containing Flexible Aliphatic Ring for Water Purification. Polymers, 2023, 15, 944.	2.0	2
2516	Hybrid salt-enriched micro-sorbents for atmospheric water sorption. Journal of Water Process Engineering, 2023, 52, 103560.	2.6	3
2517	Ion-Transfer Engineering via Janus Hydrogels Enables Ultrahigh Performance and Salt-Resistant Solar Desalination. Advanced Materials, 2023, 35, .	11.1	30
2518	Barriers to Innovation in Water Treatment. Water (Switzerland), 2023, 15, 773.	1.2	6
2519	Water Cycle Changes in a Warming World: The Scientific Background. , 2023, , 15-50.		0
2520	Metal-Organic Framework-Derived Carbon Materials Loading on Polydopamine-Modified Polyurethane Foam for Interfacial Solar Steam Generation and Seawater Desalination. Energy Technology, 2023, 11, .	1.8	6
2521	Effects of manure application timing on rice water productivity, nutrient leaching, and runoff under monsoon climate. Paddy and Water Environment, 2023, 21, 263-274.	1.0	0
2522	Impacts of water scarcity on agricultural production and electricity generation in the Middle East and North Africa. Frontiers in Environmental Science, 0, 11, .	1.5	6
2523	Electrocapacitive Deionization: Mechanisms, Electrodes, and Cell Designs. Advanced Functional Materials, 2023, 33, .	7.8	31
2524	Potential Analysis of Atmospheric Water Harvesting Technologies from the Perspective of "Trading-in Energy for Water". Water (Switzerland), 2023, 15, 878.	1.2	2
2525	Non-monotonic changes in Asian Water Towers' streamflow at increasing warming levels. Nature Communications, 2023, 14, .	5.8	21
2526	Dual-Effect Salt-Tolerant Slope-Suspended Solar Evaporators: High Evaporation Efficiency and Industrialized Implementation. , 2023, 1, 936-946.		1
2527	Telecoupling China's City-Level Water Withdrawal with Distant Consumption. Environmental Science & Technology, 2023, 57, 4332-4341.	4.6	4
2528	Water narratives in local newspapers within the United States. Frontiers in Environmental Science, 0, 11, .	1.5	2
2529	Phycoremediation. , 2023, , 451-469.		0

#	ARTICLE	IF	CITATIONS
2530	Fabrication and Application of Ag, Black TiO ₂ and Nitrogen-Doped 3D Reduced Graphene Oxide (3D Black) Tj ETQq 0 0 rgBT ₀ /Overlock	1.6	0
2531	Sorption-Based Atmospheric Water Harvesting: Materials, Components, Systems, and Applications. <i>Advanced Materials</i> , 2023, 35, .	11.1	16
2532	Estimation of Nitrate Background Value in Groundwater under the Long-Term Human Impact. <i>Hydrology</i> , 2023, 10, 63.	1.3	2
2533	Green Synthesis and Scale-Up of MOFs for Water Harvesting from Air. <i>Molecular Frontiers Journal</i> , 2023, 07, 20-39.	0.9	8
2534	Pumping-Induced Feed Water Quality Variation and Its Impacts on the Sustainable Operation of a Brackish Water Reverse Osmosis Desalination Plant, City of Hialeah, Florida, USA. <i>Sustainability</i> , 2023, 15, 4713.	1.6	0
2535	Superhydrophilic Polydopamine-Modified Carbon-Fiber Membrane with Rapid Seawater-Transferring Ability for Constructing Efficient Hanging-Model Evaporator. <i>Advanced Fiber Materials</i> , 2023, 5, 1063-1075.	7.9	23
2536	Bioinspired Nanofibrous Aerogel with Vertically Aligned Channels for Efficient Water Purification and Salt-Rejecting Solar Desalination. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	38
2537	A Bionic-Gill 3D Hydrogel Evaporator with Multidirectional Crossflow Salt Mitigation and Aquaculture Applications. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	11
2538	The concept for innovative Comprehensive Assessment of Lowland Rivers. <i>PLoS ONE</i> , 2023, 18, e0282720.	1.1	1
2539	Fibrous Aerogels with Tunable Superwettability for High-Performance Solar-Driven Interfacial Evaporation. <i>Nano-Micro Letters</i> , 2023, 15, .	14.4	28
2540	Fluids and Electrolytes under Confinement in Single-Digit Nanopores. <i>Chemical Reviews</i> , 2023, 123, 2737-2831.	23.0	32
2541	Sustainability assessment of virtual water flows through cereal and milled grain trade among US counties. <i>Environmental Research: Infrastructure and Sustainability</i> , 2023, 3, 025001.	0.9	2
2542	A Review of Pectin-Based Material for Applications in Water Treatment. <i>Materials</i> , 2023, 16, 2207.	1.3	6
2543	Total Nitrogen and Total Phosphorus Pollution Reshaped the Relationship Between Water Supply and Demand in the Huaihe River Watershed, China. <i>Chinese Geographical Science</i> , 0, , .	1.2	1
2544	Water Pipeline Leak Detection Based on a Pseudo-Siamese Convolutional Neural Network: Integrating Handcrafted Features and Deep Representations. <i>Water (Switzerland)</i> , 2023, 15, 1088.	1.2	1
2545	<i>Setaria viridis</i> -inspired hydrogels with multilevel structures for efficient all-day fresh water harvesting. <i>Journal of Materials Chemistry A</i> , 2023, 11, 7702-7710.	5.2	7
2546	The monetary facilities payment for ecosystem services as an approach to restore the Degraded Urmia Lake in Iran. <i>Environmental Science and Pollution Research</i> , 2023, 30, 56224-56245.	2.7	1
2547	Effect of cation alkyl chain length on 3-sulfopropylmethacrylate-based draw solutes having lower critical solution temperature. <i>RSC Advances</i> , 2023, 13, 8291-8298.	1.7	4

#	ARTICLE	IF	CITATIONS
2548	Ionic liquids and deep eutectic solvents in wastewater treatment: recent endeavours. <i>International Journal of Environmental Science and Technology</i> , 2024, 21, 977-996.	1.8	0
2549	Evaporation-Assisted Humidification-Dehumidification Cycles for Desalination Application in Tropical and Subtropical Regions. <i>Water (Switzerland)</i> , 2023, 15, 1125.	1.2	0
2550	Smart Water Grids and Digital Twin for the Management of System Efficiency in Water Distribution Networks. <i>Water (Switzerland)</i> , 2023, 15, 1129.	1.2	9
2551	Advancing direct seawater electrocatalysis for green and affordable hydrogen. <i>One Earth</i> , 2023, 6, 267-277.	3.6	19
2552	Formation, evolution, and enhancement mechanisms of mixed temperature gradient during interfacial solar vapor generation. <i>International Journal of Heat and Mass Transfer</i> , 2023, 208, 124082.	2.5	3
2553	Changes in Global Domestic Water Use Due to Handwashing for Preventing COVID-19: An Assessment. <i>Water (Switzerland)</i> , 2023, 15, 1219.	1.2	1
2554	High-Yield, Green, and Scalable Solar-Powered Interfacial Evaporation of Multibioinspired Hierarchical-Integrated Nanofibrous Wood Surface with Sustainable Steam Escape. <i>Solar Rrl</i> , 2023, 7, .	3.1	3
2555	Patterned Hybrid Wettability Surfaces for Fog Harvesting. <i>Langmuir</i> , 2023, 39, 4642-4650.	1.6	6
2556	Modeling and Analysis of Contactless Solar Evaporation for Scalable Application. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 4052.	1.3	0
2557	No-free-lunch-theorem: a page taken from the computational intelligence for water resources planning and management. <i>Environmental Science and Pollution Research</i> , 0, , .	2.7	0
2558	Biosorption of methylene blue by residue from <i>Lentinus crinitus</i> mushroom cultivation. <i>World Journal of Microbiology and Biotechnology</i> , 2023, 39, .	1.7	0
2559	Level of Bacteriological and Physicochemical Pollution of Surface Waters in Rural Area: The Case of Mbankomo Municipality (Center Region, Cameroon). <i>Journal of Geoscience and Environment Protection</i> , 2023, 11, 173-188.	0.2	0
2560	Mathematical Modeling of the Influence of the Karman Vortex Street on Mass Transfer in Electromembrane Systems. <i>Membranes</i> , 2023, 13, 394.	1.4	1
2561	Ä°Ä±ME SUYU ARITMA TESÄ°SLERÄ°NÄ°N KAPASÄ°TE BAKIMINDAN DEÄZERLENDÄ°RÄ°LMESÄ°: Ä°STANBUL, ANKARA VE KOÄAELÄ° EskiÄehir Osmangazi Äoeniversitesi MÄhendislik Ve Mimarlık FakÄltesi Dergisi, 2023, 31, 590-598.	0.0	0
2562	Solar steam-driven membrane filtration for high flux water purification. , 2023, 1, 391-398.		25
2563	Solutions to agricultural green water scarcity under climate change. , 2023, 2, .		8
2564	Leak detection and localization in water distribution networks: Review and perspective. <i>Annual Reviews in Control</i> , 2023, 55, 392-419.	4.4	8
2565	Janus Membrane with Hydrogel-like Coating for Robust Fouling and Wetting Resistance in Membrane Distillation. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 19504-19513.	4.0	10

#	ARTICLE	IF	CITATIONS
2566	Redox-Copolymers for Nanofiltration-Enabled Electrodialysis. ACS Energy Letters, 2023, 8, 2097-2105.	8.8	9
2567	Bioinspired Self-Standing, Self-Floating 3D Solar Evaporators Breaking the Trade-Off between Salt Cycle and Heat Localization for Continuous Seawater Desalination. Advanced Materials, 2023, 35, .	11.1	33
2568	Review of Quantitative Applications of the Concept of the Water Planetary Boundary at Different Spatial Scales. Water Resources Research, 2023, 59, .	1.7	2
2569	From capture to transport: A review of engineered surfaces for fog collection. , 2023, 2, .		21
2570	Global monthly sectoral water use for 2010-2100 at 0.5° resolution across alternative futures. Scientific Data, 2023, 10, .	2.4	1
2571	Low-Grade Waste Heat Enables Over 80% ² Interfacial Steam Generation Based on 3D Superhydrophilic Foam. Advanced Materials, 2023, 35, .	11.1	4
2572	An experimental assessment of carbon and nitrogen allocation in Pinus pinea populations under drought stress and rewatering treatment. Environmental and Experimental Botany, 2023, 210, 105334.	2.0	1
2573	Activated Carbon, CNTs and GO Based Polymeric Nanocomposites Membranes for Textile Wastewater Treatment: Preparation, Performance, and Fouling Control. , 2023, 25, .		0
2574	Monte Carlo Simulations of Water Adsorption in Aluminum Oxide Rod-Based Metal-Organic Frameworks. Journal of Physical Chemistry C, 2023, 127, 7837-7851.	1.5	1
2575	Urbanization Trends, Climate Change, and Environmental Sustainability. Disaster Resilience and Green Growth, 2023, , 151-166.	0.2	2
2576	Novel concept for water scarcity quantification considering nonconventional and virtual water resources in arid countries: Application in Gulf Cooperation Council countries. Science of the Total Environment, 2023, 882, 163473.	3.9	9
2577	The design of climate-adaptive water subsidies: financial incentives for urban water conservation in Morocco. Journal of Water Sanitation and Hygiene for Development, 0, , .	0.7	0
2578	Water crisis in Iran: A system dynamics approach on water, energy, food, land and climate (WEFLC) nexus. Science of the Total Environment, 2023, 882, 163549.	3.9	16
2579	Sustainable evaluation of the water footprint in Heilongjiang Province, China, based on correlation-matter element analysis. Journal of Cleaner Production, 2023, , 137231.	4.6	0
2580	Hydrophobic Modified Ceramic Aeration Membrane for Effective Treatment of Brine Wastewater. Membranes, 2023, 13, 443.	1.4	1
2581	On Understanding the Drinking Water Treatment Requirements in Assam, India, During Emergencies. Advances in Geographical and Environmental Sciences, 2023, , 359-383.	0.4	0
2582	Comparison of NaOH and NaOCl on-line chemical enhanced backwash on membrane fouling of high flux membrane bioreactor treating sewage. Chemical Engineering Journal Advances, 2023, 14, 100500.	2.4	0
2583	Renewable energy systems for water desalination applications: A comprehensive review. Energy Conversion and Management, 2023, 286, 117035.	4.4	40

#	ARTICLE	IF	CITATIONS
2584	Water Challenges in Urban Sub-Saharan Africa. SpringerBriefs in Water Science and Technology, 2023, , 17-37.	0.5	0
2585	Temporal and spatial variability of energy intensity for atmospheric water generators. Environmental Research: Infrastructure and Sustainability, 0, , .	0.9	0
2586	A Lotusâ€Petioleâ€Inspired Hierarchical Design with Hydrophilic/Hydrophobic Management for Enhanced Solar Water Purification. Advanced Functional Materials, 2023, 33, .	7.8	12
2587	Engineering highly permeable thin-film composite nanofiltration membranes by strengthening the diffusion control of amine monomer via deep eutectic solvent. Journal of Membrane Science, 2023, 678, 121689.	4.1	4
2588	Alleviating groundwater depletion while realizing food security for sustainable development. Journal of Cleaner Production, 2023, 393, 136351.	4.6	4
2597	Perseverance in the Face of Water Scarcity in Hot Summer Seasons: A Case Study of Slum Communities in Indore, India. Advances in 21st Century Human Settlements, 2023, , 177-199.	0.3	0
2614	Synthesis, Characterization and Applications of Titanium Dioxide Nanoparticles. , 2023, , 339-361.		0
2620	Equity-Based Allocation Criteria for Water Deficit Periods: A Case Study in South Africa. Lecture Notes in Business Information Processing, 2023, , 137-155.	0.8	1
2624	INVESTIGATION OF RELATIVE HUMIDITY INFLUENCE ON SORPTION-BASED ATMOSPHERIC WATER HARVESTING PERFORMANCE BY PASSIVE RADIATIVE CONDENSERS. , 2023, , .		0
2629	Space technology in solving water crisis-rethinking research collaborative. , 2023, , 361-376.		1
2643	Manufacture of a modular fog harvesting system combining 3D printing and wettability-contrasting patterns. Nanoscale, 2023, 15, 10567-10572.	2.8	0
2670	Metallic Nanoparticles and Bioremediation for Wastewater Treatment. , 2023, , 215-239.		0
2673	Public Utility Systems in the Republic of Serbia. Health Information Systems and the Advancement of Medical Practice in Developing Countries, 2023, , 1-26.	0.1	0
2675	Increasing Environmental Awareness in Facing Water Scarcity Problems Through Education Based on Local Wisdom Values. Environmental Science and Engineering, 2023, , 177-185.	0.1	0
2676	A Tale of Two Foulants: The Coupling of Organic Fouling and Mineral Scaling in Membrane Desalination. Environmental Science & Technology, 2023, 57, 7129-7149.	4.6	8
2695	STUDYING THE POTENTIAL OF DEPLOYING INTEGRATED HUMIDIFICATION-DEHUMIDIFICATION DESALINATION SYSTEM WITH SOLAR THERMAL SYSTEM. , 2023, , .		1
2717	Sorbents, processes and applications beyond water production in sorption-based atmospheric water harvesting. , 2023, 1, 573-586.		4
2718	Porous organic polymers (POPs) for environmental remediation. Materials Horizons, 2023, 10, 4083-4138.	6.4	13

#	ARTICLE	IF	CITATIONS
2720	Integrating user preferences using multi-criteria decision analysis to evaluate rainwater harvesting alternatives: A case for Teresa, Rizal. AIP Conference Proceedings, 2023, , .	0.3	0
2737	Feature Embedding of Molecular Dynamics-Based Descriptors for Modeling Electrochemical Separation Processes. Computer Aided Chemical Engineering, 2023, , 1451-1456.	0.3	0
2766	Recent advances in dyes removal technologies from wastewater using biochar. , 2023, , 249-272.		0
2770	Advanced nanostructured materials in solar interfacial steam generation and desalination against pathogens: combatting microbial-contaminants in water â€“ a critical review. Journal of Materials Chemistry A, 2023, 11, 18046-18080.	5.2	7
2802	Hydrogel use in burn therapy, thermal management, wastewater treatment and fire fighting: a review. Environmental Chemistry Letters, 2023, 21, 3273-3328.	8.3	6
2832	Graphdiyne membranes for ultrafast desalination. , 2023, 1, 756-757.		0
2838	Climate Change and Threats to Water Security: A Review. Water Resources, 2023, 50, 645-663.	0.3	1
2859	Circularity in wastewater allocation as a solution for increased water availability: A focus on optimization methods and applications. , 2023, , 39-64.		0
2862	Hydrosphere. , 2023, , 69-75.		0
2864	Water auditing and recycling as a tool for management of water resources: an Indian perspective. Applied Water Science, 2023, 13, .	2.8	0
2874	Urban Stormwater Runoff for Potable Use: Potential and Challenges. Handbook of Environmental Chemistry, 2023, , .	0.2	0
2904	A review on self-curing agents. Innovative Infrastructure Solutions, 2023, 8, .	1.1	0
2913	A Deep Learning Approach For Faults Recognition of Dissolved Oxygen Sensor in Wastewater Treatment Plants. , 2023, , .		0
2916	Nanoadsorbents in nanofilter membrane. , 2023, , 387-408.		0
2926	Retention of Hydrophobic Colloids in Unsaturated Porous Media using Microfluidics. , 2023, , .		0
2935	Zero-dimensional luminescent Carbon dots as Fascinating Analytical Tools for the Treatment of Pharmaceutical Based Contaminants in Aqueous Media. Environmental Science: Water Research and Technology, 0, , .	1.2	0
2951	Ecosystem Services for Water Management: A Review of Global Approaches and Experiences. Disaster Resilience and Green Growth, 2023, , 115-136.	0.2	0
2989	Nature- Inspired sustainable solar evaporators for seawater desalination. Journal of Materials Chemistry A, 0, , .	5.2	0

#	ARTICLE	IF	CITATIONS
3000	Heavy Metal Pollution in Water: Cause and Remediation Strategies. , 2023, , 221-262.		0
3007	Recent advances in metal-organic frameworks for water absorption and their applications. Materials Chemistry Frontiers, 2024, 8, 1171-1194.	3.2	0
3019	Thermodynamic Limits of Sorption-based Atmospheric Water Harvesting Using Hygroscopic Hydrogels. , 2023, , .		0
3027	Design and construction of a new solar collector using flat plates to absorb water from atmospheric air in remote areas by solar energy and materials as moisture absorbent. AIP Conference Proceedings, 2023, , .	0.3	0
3039	Titanium nitride (TiN) as a promising alternative to plasmonic metals: a comprehensive review of synthesis and applications. Materials Advances, 2024, 5, 846-895.	2.6	0
3071	A novel approach to explore new means of depletion of potable water crisis by phytoremediation of Abandoned Coalmine Pitlake and generate alternate livelihood: A case study of Raniganj Coalfield, West Bengal, India. , 0, , .		0
3081	Bacterial and viral contaminants in drinking water: Why do they really matter to us. , 2024, , 3-28.		0
3084	Magnetically driven Janus conical vertical array for all-weather freshwater collection. Materials Horizons, 2024, 11, 1779-1786.	6.4	0
3104	Research on surface garbage collection device based on YOLOv7. , 2024, , .		0
3110	Water Governance Transitions Pathway: Adaptive Water Governance. Disaster Resilience and Green Growth, 2024, , 321-339.	0.2	0
3126	Applications of Hydroponic Systems in Phytoremediation of Wastewater. Springer Water, 2024, , 91-113.	0.2	0
3131	Analysis of health vulnerability to climate change in West Sumatra, Indonesia. AIP Conference Proceedings, 2024, , .	0.3	0
3134	Improved the productivity of solar distillers through modifying designs: Review. AIP Conference Proceedings, 2024, , .	0.3	0
3150	Agronomic practices for storing soil carbon and reducing greenhouse gas emission in the Mediterranean region. , 2024, , 445-480.		0
3151	Land-Use Land Cover Changes in the Bui Dam Enclave of Ghana: Impacts on the Ecosystem Services. , 2023, , 1-14.		0
3177	Wetlands as a Nature-based Solution for Urban Water Management. , 2024, , 259-275.		0
3186	Surface and Underground Water Challenges in the Delta Region of Bangladesh. , 2024, , 65-94.		0