

# CITATION REPORT

List of articles citing

## Environmental impact and impact assessment of seawater desalination

DOI: 10.1016/j.desal.2007.03.009  
Desalination, 2008, 220, 1-15.

**Source:** <https://exaly.com/paper-pdf/43496788/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
726	Experimental investigation of scaling control by a non-phosphorous polymer: polyaspartic acid. <b>2009</b> , 7, 86-92		3
725	Assessment of the world fresh water resources through energy requirements in desalination technologies. <b>2009</b> , 10, 165-174		6
724	Hindcasts of the fate of desalination brine in large inverse estuaries: Spencer Gulf and Gulf St. Vincent, South Australia. <b>2009</b> , 2, 335-344		10
723	UNEP resource and guidance manual for environmental impact assessment of desalination projects. <b>2009</b> , 3, 217-228		11
722	Impacts of blending on dilution of negatively buoyant brine discharge in a shallow tidal sea. <b>2009</b> , 58, 1032-8		3
721	Assessment of soft-bottom Polychaeta assemblage affected by a spatial confluence of impacts: sewage and brine discharges. <b>2009</b> , 58, 776-82		18
720	Integrated Policy and Planning for Water and Energy. <b>2009</b> , 142, 46-51		6
719	Metal recovery from reverse osmosis concentrate. <b>2009</b> , 17, 703-707		88
718	Brine Management: Substituting Chlorine with On-Site Produced Sodium Hypochlorite for Environmentally Improved Desalination Processes. <b>2009</b> , 23, 2437-2454		22
717	Desalinated versus recycled water: public perceptions and profiles of the accepters. <b>2009</b> , 90, 888-900		199
716	Water resources management in Crete and in the Aegean Islands, with emphasis on the utilization of non-conventional water sources. <i>Desalination</i> , <b>2009</b> , 248, 1049-1064	10.3	35
715	Desalination plants in Australia, review and facts. <i>Desalination</i> , <b>2009</b> , 247, 1-14	10.3	77
714	The Jordan River and Dead Sea Basin. <b>2009</b> ,		2
713	Seawater Desalination. <b>2009</b> ,		25
712	Analytical solutions for brine discharge plumes on a sloping beach. <b>2009</b> , 11, 2-6		3
711	Dispersion of brine discharge from seawater reverse osmosis desalination plants. <b>2009</b> , 5, 137-145		58
710	Protecting the Marine Environment. <b>2009</b> , 273-299		0

709	Desalination and Long-Haul Water Transfer: A Case Study of the Energy-Water Nexus in Texas. <b>2009,</b>		3
708	The Gulf: a young sea in decline. <b>2010,</b> 60, 13-38		467
707	Flocculation of diatomite by a soy protein-based bioflocculant. <b>2010,</b> 51, 14-18		22
706	Membrane distillation-crystallization of seawater reverse osmosis brines. <b>2010,</b> 71, 76-82		242
705	Prospects of operation of MSF desalination plants at high TBT and low antiscalant dosing rate. <i>Desalination,</i> <b>2010,</b> 256, 181-189	10.3	22
704	Experimental investigation of low temperature distillation coupled with spray evaporation. <i>Desalination,</i> <b>2010,</b> 258, 5-11	10.3	15
703	Current and Emerging Developments in Desalination with Reverse Osmosis Membrane Systems. <b>2010,</b> 35-65		5
702	Chapter 2 Global Desalination Situation. <b>2010,</b> 7-39		56
701	Seawater desalination as green technology?. <b>2010,</b> 59, 134-151		6
700	Formation and fate of chlorination by-products in reverse osmosis desalination systems. <b>2010,</b> 44, 1616-26		66
699	Impacts of desalination plant discharges on the marine environment: A critical review of published studies. <b>2010,</b> 44, 5117-28		284
698	Renewable energy fueled desalination in Israel. <b>2010,</b> 13, 450-463		9
697	Research on an innovative large-scale offshore wind power seawater desalination system. <b>2010,</b>		3
696	Pilot scale evaluation of a novel post-treatment process for desalinated water. <b>2010,</b> 13, 128-136		12
695	Impact of desalination byproducts on marine organisms: A case study at Chuja Island Desalination Plant in Korea. <b>2011,</b> 33, 267-272		6
694	Scenarios for Coastal Vulnerability Assessment. <b>2011,</b> 289-303		9
693	Desalination of Seawater by Reverse Osmosis. <b>2011,</b> 559-601		3
692	Membrane and Desalination Technologies. <b>2011,</b>		56

691	The future of seawater desalination: energy, technology, and the environment. <b>2011</b> , 333, 712-7	3767
690	Seawater quality and microbial communities at a desalination plant marine outfall. A field study at the Israeli Mediterranean coast. <b>2011</b> , 45, 5449-62	41
689	RO brine treatment and disposal methods. <b>2011</b> , 35, 39-53	38
688	Reject Brines from Desalination as Possible Sources for Environmental Technologies. <b>2011</b> ,	3
687	Reject Brine Management. <b>2011</b> ,	1
686	Membrane-Based Desalination. <b>2011</b> , 10, 9781780400914	3
685	CMI in Membrane Technology: A New Green Antiscalant. <b>2011</b> , 3, 42-45	1
684	The CEA/BARC collaboration on the use of nuclear reactors for desalination. <b>2011</b> , 4, 207	
683	Scale formation and control in high pressure membrane water treatment systems: A review. <b>2011</b> , 383, 1-16	401
682	Saline waste disposal reuse for desalination plants for the chlor-alkali industry. <i>Desalination</i> , <b>2011</b> , 281, 35-41	10,3 31
681	Photosynthesis, growth and survival of the Mediterranean seagrass <i>Posidonia oceanica</i> in response to simulated salinity increases in a laboratory mesocosm system. <b>2011</b> , 92, 286-296	42
680	The effects of brine disposal on a subtidal meiofauna community. <b>2011</b> , 93, 359-365	36
679	The prospective environmental impacts of Iran nuclear energy expansion. <b>2011</b> , 39, 6351-6359	7
678	State of the Art of Friendly Green Scale Control Inhibitors: A Review Article. <b>2011</b> , 50, 7601-7607	245
677	Forward with osmosis: emerging applications for greater sustainability. <b>2011</b> , 45, 9824-30	212
676	Assessment of some heavy metals in surface sediments of the Aqaba Gulf, Egypt. <b>2011</b> , 180, 229-42	15
675	Localized hyper saline waters in Arabian Gulf from desalination activity--an example from South Kuwait. <b>2011</b> , 181, 587-94	32
674	Using a diagnostic tool to evaluate the longevity of urban community sanitation systems: A case study from Indonesia. <b>2011</b> , 13, 807-820	5

673	The growing need for sustainable ecological management of marine communities of the Persian Gulf. <b>2011</b> , 40, 4-17		162
672	Biological approaches for addressing the grand challenge of providing access to clean drinking water. <b>2011</b> , 5, 2		25
671	The water-energy nexus in Middle East and North Africa. <b>2011</b> , 39, 4529-4540		387
670	Techno-economic assessment and environmental impacts of desalination technologies. <i>Desalination</i> , <b>2011</b> , 266, 263-273	10.3	415
669	The efficiency of CO <sub>2</sub> sequestration via carbonate mineralization with simulated wastewaters of high salinity. <b>2011</b> , 191, 49-55		40
668	Effects of carboxylic polyelectrolytes on the growth of calcium carbonate. <b>2011</b> , 317, 70-78		20
667	Photoelectrochemical hydrogen production with concentrated natural seawater produced by membrane process. <b>2011</b> , 85, 2256-2263		18
666	Environmental assessment of brine discharge and wastewater in the Arabian Gulf. <b>2011</b> , 25, 276-285		7
665	Modeling in desalination-electro-dialysis reversal. <b>2011</b> , 27, 255-267		3
664	Modeling water exchange using random walk method and its application in tianjin coastal region. <b>2011</b> ,		
663	Computer-Aided Design, Modeling and Simulation of a New Solar Still Design. <b>2011</b> , 2011, 1-5		
662	Determination of salinity gradient power potential in Québec, Canada. <b>2012</b> , 4, 053113		4
661	Stormwater Reuse via Aquifer Storage and Recovery: Risk Assessment for Sandy Aquifers. <b>2012</b> , 17-42		1
660	Development of synthetic solid inorganic material as adsorbents of Li and K from the enrichment brine. <b>2012</b> , 44, 1-6		4
659	Water and sanitation provision in a low carbon society: The need for a systems approach. <b>2012</b> , 4, 041403		17
658	Environmental Issues in Desalination. <b>2012</b> , 749-769		
657	Microcosm approach for brine impact assessment from seawater desalination on benthic assemblages. <b>2012</b> , 43, 102-112		
656	Surface discharge of negatively buoyant effluent in unstratified stagnant water. <b>2012</b> , 6, 181-193		14

655	Expert stakeholder attitudes and support for alternative water sources in a groundwater depleted region. <b>2012</b> , 437, 245-54	8
654	State of the art and review on the treatment technologies of water reverse osmosis concentrates. <b>2012</b> , 46, 267-83	519
653	A comparative life cycle assessment of hybrid osmotic dilution desalination and established seawater desalination and wastewater reclamation processes. <b>2012</b> , 46, 1145-54	133
652	Case study on combined CO <sub>2</sub> sequestration and low-salinity water production potential in a shallow saline aquifer in Qatar. <b>2012</b> , 109, 27-32	8
651	Adsorption of phosphonate antiscalant from reverse osmosis membrane concentrate onto granular ferric hydroxide. <b>2012</b> , 46, 9638-45	49
650	Environmental Concerns for the Future of Gulf Coral Reefs. <b>2012</b> , 349-373	25
649	Desalination in Spain: A Growing Alternative for Water Supply. <b>2012</b> , 28, 171-186	25
648	Coral Reefs of the Gulf. <b>2012</b> ,	62
647	Seagrass habitats in the Arabian Gulf: distribution, tolerance thresholds and threats. <b>2012</b> , 15, 73-83	48
646	Modeling wastewater discharge at the planning stage of a marine outfall system. <b>2012</b> , 184, 3165-84	6
645	Efficient technologies for worldwide clean water supply. <b>2012</b> , 51, 2-17	95
644	Desalination, space and power: The ramifications of Israel's changing water geography. <b>2012</b> , 43, 272-284	67
643	Comparing four mixing zone models with brine discharge measurements from a reverse osmosis desalination plant in Spain. <i>Desalination</i> , <b>2012</b> , 286, 217-224	10.3 23
642	Feasibility of applying forward osmosis to the simultaneous thickening, digestion, and direct dewatering of waste activated sludge. <b>2012</b> , 113, 207-13	47
641	Concentration of selected radionuclides in seawater from Kuwait. <b>2012</b> , 64, 1261-4	16
640	Flocculation of kaolin and kanto loam by methylated soy protein. <b>2012</b> , 93, 1-7	19
639	The role of protein extracts in the induction of disease in <i>Acanthaster planci</i> . <b>2012</b> , 429, 1-6	12
638	A new case for promoting wastewater reuse in Saudi Arabia: bringing energy into the water equation. <b>2012</b> , 102, 184-92	66

637	Reducing the Risk Associated to Desalination Brine Disposal on the Coastal Areas of Red Sea. <b>2013</b> , 285-316		
636	Coastal Hazards. <b>2013</b> ,		12
635	Lethal doses of oxbile, peptones and thiosulfate-citrate-bile-sucrose agar (TCBS) for <i>Acanthaster planci</i> ; exploring alternative population control options. <b>2013</b> , 75, 133-139		16
634	Bridging decision networks for integrated water and energy planning. <b>2013</b> , 2, 46-58		45
633	Physiological and biochemical responses of the marine dinoflagellate <i>Prorocentrum minimum</i> exposed to the oxidizing biocide chlorine. <b>2013</b> , 92, 129-34		13
632	Potential impacts of discharges from seawater reverse osmosis on Taiwan marine environment. <i>Desalination</i> , <b>2013</b> , 322, 84-93	10.3	10
631	A case for an ecological-economic research program for desalination. <i>Desalination</i> , <b>2013</b> , 324, 72-78	10.3	11
630	Confounding response of macrofauna from a confluence of impacts: brine and sewage pollution. <b>2013</b> , 32, 74-81		3
629	Environmental impact assessment of seawater desalination plant under the framework of integrated coastal management. <i>Desalination</i> , <b>2013</b> , 326, 10-18	10.3	57
628	A review of environmental governance and its effects on concentrate discharge from desalination plants in the Kingdom of Saudi Arabia. <b>2013</b> , 51, 262-272		8
627	Water desalination and challenges: The Middle East perspective: a review. <b>2013</b> , 51, 2030-2040		79
626	Reuse and management of brine in sustainable SWRO desalination plants. <b>2013</b> , 51, 560-566		19
625	Seawater intake system in Test Bed seawater reverse osmosis (SWRO) project. <b>2013</b> , 51, 6238-6247		3
624	A novel hybrid process of reverse electrodialysis and reverse osmosis for low energy seawater desalination and brine management. <b>2013</b> , 104, 592-602		128
623	Technical review and evaluation of the economics of water desalination: Current and future challenges for better water supply sustainability. <i>Desalination</i> , <b>2013</b> , 309, 197-207	10.3	867
622	Renewable desalination: a methodology for cost comparison. <b>2013</b> , 51, 1171-1189		17
621	Responses of the seagrass <i>Halodule uninervis</i> (Forssk.) Aschers. to hypersaline conditions. <b>2013</b> , 39, 167-176		7
620	Ultrafiltration versus sedimentation-based pretreatment in Fujairah-1 RO plant: Environmental impact study. <i>Desalination</i> , <b>2013</b> , 317, 55-66	10.3	31

619	Synthesis and application of terpolymer scale inhibitor in the presence of $\beta$ -cyclodextrins. <b>2013</b> , 109, 177-186	22
618	Aquatic biofouling prevention by electrically charged nanocomposite polymer thin film membranes. <b>2013</b> , 47, 2760-8	153
617	Responses of the Mediterranean seagrass <i>Posidonia oceanica</i> to hypersaline stress duration and recovery. <b>2013</b> , 84, 60-75	42
616	Energy consumption and water production cost of conventional and renewable-energy-powered desalination processes. <b>2013</b> , 24, 343-356	596
615	Phytoplankton along the coastal shelf of an oligotrophic hypersaline environment in a semi-enclosed marginal sea: Qatar (Arabian Gulf). <b>2013</b> , 60, 1-16	28
614	Enhancement of CO <sub>2</sub> Mineralization in Ca <sup>2+</sup> -/Mg <sup>2+</sup> -Rich Aqueous Solutions Using Insoluble Amine. <b>2013</b> , 52, 8028-8033	32
613	Development of simultaneous membrane distillation-crystallization (SMDC) technology for treatment of saturated brine. <b>2013</b> , 98, 160-172	126
612	Subsurface intakes for seawater reverse osmosis facilities: Capacity limitation, water quality improvement, and economics. <i>Desalination</i> , <b>2013</b> , 322, 37-51	10.3 86
611	Assessment and management of heavy metal pollution in the marine environment of the Arabian Gulf: a review. <b>2013</b> , 72, 6-13	222
610	Using Seawater Reverse Osmosis (SWRO) desalting system for less environmental impacts in Qatar. <i>Desalination</i> , <b>2013</b> , 309, 113-124	10.3 39
609	How robust is the environmental impact assessment process in South Australia? Behind the scenes of the Adelaide seawater desalination project. <b>2013</b> , 38, 500-506	10
608	Application of pellet softening (PS) as a scale prevention method in seawater desalination plants. <b>2013</b> , 51, 5509-5515	6
607	Marine Biodiversity and Sustainable Development Strategy for Dabijiashan National Special Marine Protected Area. <b>2013</b> , 448-453, 4329-4332	
606	Microbial Desalination Cell Combined with Capacitive Deionization/Membrane Capacitive Deionization to Desalinate Seawater. <b>2013</b> , 807-809, 373-379	3
605	International Journal of Energy and Environmental Engineering. <b>2013</b> , 4, 33	6
604	Implementation research of new phosphorus free antiscalant at an aerobic ground water RO plant. <b>2013</b> , 51, 5021-5025	
603	HIGH COOLING WATER TEMPERATURE EFFECTS ON DESIGN AND OPERATIONAL SAFETY OF NPPS IN THE GULF REGION. <b>2013</b> , 45, 961-968	14
602	Coastal Reservoir Strategy and Its Applications. <b>2013</b> ,	5



601	Potential of Concentrating Solar Power Plants for the Combined Production of Water and Electricity in MENA Countries. <b>2013</b> , 1, 122-140	24
600	High salinity tolerance of the Red Sea coral <i>Fungia granulosa</i> under desalination concentrate discharge conditions: an in situ photophysiology experiment. <b>2014</b> , 1,	18
599	Marine Ecosystem Diversity in the Arabian Gulf: Threats and Conservation. <b>2014</b> ,	17
598	. <b>2014</b> ,	3
597	Water security in the GCC countries: challenges and opportunities. <b>2014</b> , 4, 329-346	44
596	Combining autonomous underwater vehicle missions with velocity and salinity measurements for the evaluation of a submerged offshore SWRO concentrate discharge. <b>2014</b> , 2, 118-139	6
595	Environmental Sustainability Issues in the South TexasMexico Border Region. <b>2014</b> ,	
594	Busting a salty myth: long-term monitoring detects limited impacts on benthic infauna after three years of brine discharge. <b>2014</b> , 6, 134-144	8
593	Novel Use of a Shark Model to Elicit Innate Behavioral Responses in Sea Turtles: Application to Bycatch Reduction in Commercial Fisheries. <b>2014</b> , 13, 237-246	8
592	Global diffusion of XL-capacity seawater desalination. <b>2014</b> , 16, 1031-1053	9
591	Biodiversity of scleractinian corals in the reefs of Qeshm and Larak Islands of the Persian Gulf, in association with environmental variables. <b>2014</b> , 94, 907-916	4
590	A review of sources, effects, disposal methods, and regulations of brine into marine environments. <b>2014</b> , 87, 1-7	62
589	Initial mixing of inclined dense jet in perpendicular crossflow. <b>2014</b> , 14, 25-49	17
588	Optimal design of integrated total site utilitymulti-stage flash desalination plant. <b>2014</b> , 52, 1287-1298	3
587	Concentration of NaCl from seawater reverse osmosis brines for the chlor-alkali industry by electrodialysis. <i>Desalination</i> , <b>2014</b> , 342, 107-117	10.3 87
586	Seawater desalination in China: Retrospect and prospect. <b>2014</b> , 242, 404-413	71
585	A multi-media planning model for assessing co-located energy and desalination plants. <b>2014</b> , 71, 2673-2686	2
584	Where does solar-aided seawater desalination make sense? A method for identifying sustainable sites. <i>Desalination</i> , <b>2014</b> , 339, 10-17	10.3 43

583	Experimental study of hollow fiber AGMD modules with energy recovery for high saline water desalination. <i>Desalination</i> , <b>2014</b> , 344, 55-63	10.3	31
582	Seawater disinfection by chlorine dioxide and sodium hypochlorite. A comparison of biofilm formation. <b>2014</b> , 225, 1		17
581	Algiers carrying capacity with respect to per capita domestic water use. <b>2014</b> , 13, 1-11		14
580	Osmotic power with Pressure Retarded Osmosis: Theory, performance and trends [A review]. <b>2014</b> , 453, 337-358		235
579	Electrodialysis of concentrated brine from RO plant to produce coarse salt and freshwater. <b>2014</b> , 450, 323-330		122
578	Economic feasibility of a solar still desalination system with enhanced productivity. <i>Desalination</i> , <b>2014</b> , 335, 27-32	10.3	49
577	Performance study of a pilot-scale low-temperature multi-effect desalination plant. <b>2014</b> , 135, 415-422		26
576	Status of trace metals in surface seawater of the Gulf of Aqaba, Saudi Arabia. <b>2014</b> , 86, 582-590		51
575	Analysis of the process of environmental impact assessment for seawater desalination plants in Spain. <i>Desalination</i> , <b>2014</b> , 347, 166-174	10.3	39
574	Experimental results from RO-PRO: a next generation system for low-energy desalination. <b>2014</b> , 48, 6437-43		115
573	SWRO feed water quality improvement using subsurface intakes in Oman, Spain, Turks and Caicos Islands, and Saudi Arabia. <i>Desalination</i> , <b>2014</b> , 351, 88-100	10.3	39
572	Bioleaching of copper secondary sulfide ore in the presence of chloride by means of inoculation with chloride-tolerant microbial culture. <b>2014</b> , 150, 308-312		16
571	Hollow carbon nanofibers as an effective electrode for brackish water desalination using the capacitive deionization process. <b>2014</b> , 38, 198-205		95
570	Desalination. <b>2014</b> , 92-103		1
569	A predictive model for the assessment of the temperature polarization effect in direct contact membrane distillation desalination of high salinity feed. <i>Desalination</i> , <b>2014</b> , 341, 38-49	10.3	54
568	ICREGA14 - Renewable Energy: Generation and Applications. <b>2014</b> ,		4
567	Scale-resistant surfaces: Fundamental studies of the effect of surface energy on reducing scale formation. <b>2014</b> , 313, 591-599		45
566	Electrodialysis in a Solid-State Nanopore Connecting Two Large Reservoirs: Optimum Pore Size. <b>2014</b> , 118, 19498-19504		8

565	Hepatitis A virus in the Middle East and North Africa region: a new challenge. <b>2014</b> , 21, 605-15		28
564	Graphene wrapped MnO <sub>2</sub> -nanostructures as effective and stable electrode materials for capacitive deionization desalination technology. <i>Desalination</i> , <b>2014</b> , 344, 289-298	10.3	125
563	Sustainable Effluent Disposal. <b>2014</b> , 297-329		
562	Efficient Desalination by Reverse Osmosis: A guide to RO practice. <b>2015</b> , 14,		0
561	Poly(aspartic acid)tryptophan grafted copolymer and its scale-inhibition performance. <b>2015</b> , 132, n/a-n/a		8
560	Enhanced salinities, as a proxy of seawater desalination discharges, impact coastal microbial communities of the eastern Mediterranean Sea. <b>2015</b> , 17, 4105-20		22
559	Landscape Changes and a Salt Production Sustainable Approach in the State of Salt Pan Area Decreasing on the Coast of Tianjin, China. <b>2015</b> , 7, 10078-10097		14
558	An Optimization-Simulation Approach for Groundwater Abstraction under Recharge Uncertainty. <b>2015</b> , 29, 3681-3695		37
557	Experiment and Optimization for Simultaneous Carbonation of Ca(2+) and Mg(2+) in A Two-phase System of Insoluble Diisobutylamine and Aqueous Solution. <b>2015</b> , 5, 10862		8
556	Innovations in Design and Monitoring of Desalination Discharges. <b>2015</b> , 539-544		1
555	Environmental assessment of coastal surface sediments at Tarut Island, Arabian Gulf (Saudi Arabia). <b>2015</b> , 96, 424-33		38
554	Integrated modelling for the discharge of brine from desalination plants into coastal waters. <b>2015</b> , 53, 3214-3223		4
553	The Impact of Thermal Desalination Technologies MED with TVC and without TVC on the Libyan Coastline. <b>2015</b> ,		
552	Preliminary techno-economics assessment of developed desalination/salt recovery facility based on membrane and thermal techniques. <b>2015</b> , 55, 2416-2422		10
551	Estimates of Arab world research productivity associated with desalination: a bibliometric analysis. <b>2015</b> , 7, 3-16		13
550	Perspectives on environmental ethics in sustainability of membrane based technologies for water and energy production. <b>2015</b> , 4, 182-193		16
549	Tracing disinfection byproducts in full-scale desalination plants. <i>Desalination</i> , <b>2015</b> , 359, 141-148	10.3	31
548	Benthic community recovery from brine impact after the implementation of mitigation measures. <b>2015</b> , 70, 325-36		29

547	Evaluation of a low-phosphorus terpolymer as calcium scales inhibitor in cooling water. <b>2015</b> , 55, 945-955		8
546	Schemes for salt recovery from seawater and RO brines using chemical precipitation. <b>2015</b> , 55, 2398-2407		12
545	Sustainable Water Use and Management. <b>2015</b> ,		5
544	A review on RO membrane technology: Developments and challenges. <i>Desalination</i> , <b>2015</b> , 368, 10-26	10.3	318
543	The use of simulated whole effluents in toxicity assessments: A review of case studies from reverse osmosis desalination plants. <i>Desalination</i> , <b>2015</b> , 368, 3-9	10.3	14
542	Modeling brine discharge dispersion from two adjacent desalination outfalls in coastal waters. <i>Desalination</i> , <b>2015</b> , 362, 68-73	10.3	8
541	CFD modeling and analysis of brine spray evaporation system integrated with solar collector. <i>Desalination</i> , <b>2015</b> , 366, 139-145	10.3	15
540	Numerical modeling of (30 <sup>°</sup> ) and (45 <sup>°</sup> ) inclined dense turbulent jets in stationary ambient. <b>2015</b> , 15, 537-562		39
539	Agglomeration behavior in fluidized-bed evaporator for thermal seawater desalination. <b>2015</b> , 89, 1096-1103		5
538	Disinfection by-product formation during seawater desalination: A review. <b>2015</b> , 81, 343-55		123
537	Assessing of Metals and Metalloids in Surface Sediments along the Gulf of Aqaba Coast, Northwestern Saudi Arabia. <b>2015</b> , 31, 163		13
536	PETROLEUM PRODUCTS. <b>2015</b> , 257-375		4
535	Inline coagulation-ultrafiltration as the pretreatment for reverse osmosis brine treatment and recovery. <i>Desalination</i> , <b>2015</b> , 365, 242-249	10.3	39
534	Computer simulation of ion-exchange membrane electrodialysis for salt concentration and reduction of RO discharged brine for salt production and marine environment conservation. <i>Desalination</i> , <b>2015</b> , 367, 76-89	10.3	31
533	Intakes and Outfalls for Seawater Reverse-Osmosis Desalination Facilities. <b>2015</b> ,		9
532	Understanding the role of ecological indicator use in assessing the effects of desalination plants. <i>Desalination</i> , <b>2015</b> , 365, 416-433	10.3	22
531	Feasibility of extracting valuable minerals from desalination concentrate: a comprehensive literature review. <b>2015</b> , 100, 4-16		67
530	Hydrodynamic evaluation of long term impacts of climate change and coastal effluents in the Arabian Gulf. <b>2015</b> , 101, 667-85		8

529	Single-step microwave assisted headspace liquid-phase microextraction of trihalomethanes and halo ketones in biological samples. <b>2015</b> , 1007, 43-8	12
528	Density Effects on Dilution and Height of Vertical Fountains. <b>2015</b> , 141, 04015024	0
527	Radioactivity in the Kuwait marine environment--Baseline measurements and review. <b>2015</b> , 100, 651-61	29
526	An Overview: Desalination, Environmental and Marine Outfall Systems. <b>2015</b> , 3-10	3
525	Historic and contemporary contamination in the marine environment of Kuwait: An overview. <b>2015</b> , 100, 621-8	38
524	Design of a Process for Supercritical Water Desalination with Zero Liquid Discharge. <b>2015</b> , 54, 5527-5535	28
523	Calculation of Carbon Footprints for Water Diversion and Desalination Projects. <b>2015</b> , 75, 2483-2494	40
522	Development of a life cycle assessment tool for the assessment of food production systems within the energy, water and food nexus. <b>2015</b> , 2, 52-66	113
521	Basic science of water: Challenges and current status towards a molecular picture. <b>2015</b> , 8, 3085-3110	21
520	Membrane Distillation and Reverse Electrodialysis for Near-Zero Liquid Discharge and low energy seawater desalination. <b>2015</b> , 496, 325-333	132
519	Desalination brine disposal by means of negatively buoyant jets. <b>2015</b> , 53, 3208-3213	13
518	Characterization of the inhibitory effectiveness of environmentally friendly anti-scalants. <b>2015</b> , 55, 3478-3484	6
517	Potential of energy and water efficiency improvement in Abu Dhabi's building sector [Analysis of Estidama pearl rating system. <b>2015</b> , 82, 100-107	24
516	Is Desalination Affordable? Regional Cost and Price Analysis. <b>2015</b> , 29, 1385-1397	72
515	Energy and environmental issues in desalination. <i>Desalination</i> , <b>2015</b> , 366, 2-8	10.3 199
514	Dynamic integration of sustainability indicators in insular socio-ecological systems. <b>2015</b> , 306, 130-144	23
513	A review on the applicability of integrated/hybrid membrane processes in water treatment and desalination plants. <i>Desalination</i> , <b>2015</b> , 363, 2-18	10.3 251
512	Modeling of full-scale reverse osmosis desalination system: Influence of operational parameters. <b>2015</b> , 21, 261-268	29

511	Renewable energy-driven desalination technologies: A comprehensive review on challenges and potential applications of integrated systems. <i>Desalination</i> , <b>2015</b> , 356, 94-114	10.3	308
510	Graphene-based nanomaterial: The state-of-the-art material for cutting edge desalination technology. <i>Desalination</i> , <b>2015</b> , 356, 115-128	10.3	136
509	High water recovery of RO brine using multi-stage air gap membrane distillation. <i>Desalination</i> , <b>2015</b> , 355, 178-185	10.3	48
508	Influence of salt concentration on DCMD performance for treatment of highly concentrated NaCl, KCl, MgCl <sub>2</sub> and MgSO <sub>4</sub> solutions. <i>Desalination</i> , <b>2015</b> , 355, 110-117	10.3	37
507	A review of solar energy driven desalination technologies. <b>2015</b> , 41, 1080-1118		357
506	Salinity gradient power and desalination. <b>2016</b> , 281-313		7
505	Predicting the Specific Energy Consumption of Reverse Osmosis Desalination. <b>2016</b> , 8, 601		39
504	Application of forward osmosis in reusing the brackish concentrate produced in reverse osmosis plants with secondary treated wastewater as feed solution: a case study. <b>2016</b> , 6, 533-543		1
503	Environmental impacts and impact mitigation plans for desalination facilities. <b>2016</b> , 57, 11528-11539		5
502	Health risk assessment and seasonal distribution of dissolved trace metals in surface waters of Kalpakkam, southwest coast of Bay of Bengal. <b>2016</b> , 6, 96-108		43
501	A novel integrated thermal-/membrane-based solar energy-driven hybrid desalination system: Concept description and simulation results. <b>2016</b> , 100, 7-19		34
500	Geospatial analysis of desalination in the US [An interactive tool for socio-economic evaluations and decision support. <b>2016</b> , 71, 115-122		4
499	Biodesalination-On harnessing the potential of nature's desalination processes. <b>2016</b> , 11, 041001		15
498	Numerical modelling of a forced gradient tracer test undertaken under non-ideal conditions. <b>2016</b> , 49, 183-190		1
497	Investigation of the factors influencing the efficiency of a solar still combined with a solar collector. <b>2016</b> , 57, 29082-29091		15
496	Wastewater Treatment Using Integrated Membrane Processes. <b>2016</b> , 197-229		0
495	Design and performance improvement of a solar desalination system by using solar air heater: Experimental and theoretical approach. <i>Desalination</i> , <b>2016</b> , 399, 78-87	10.3	33
494	Governing water augmentation under the Watercourse Convention. <b>2016</b> , 41, 866-882		2

493	Numerical modeling of brine disposal from Gaza central seawater desalination plant. <b>2016</b> , 9, 1		9
492	Effect of the tap water supply system on China's economy and energy consumption, and its emissions impact. <b>2016</b> , 64, 660-671		17
491	Predictors of local support for a seawater desalination plant in a small coastal community. <b>2016</b> , 66, 101-111		17
490	An operational and economic study of a reverse osmosis desalination system for potable water and land irrigation. <i>Desalination</i> , <b>2016</b> , 397, 174-184	10.3	100
489	Congener-specific levels and patterns of polychlorinated biphenyls in edible fish tissue from the central Red Sea coast of Saudi Arabia. <b>2016</b> , 572, 915-925		24
488	Environmental ranking of desalination plants: the case of the Arabian Gulf. <b>2016</b> , 1-17		1
487	Purification of High Salinity Brine by Multi-Stage Ion Concentration Polarization Desalination. <b>2016</b> , 6, 31850		54
486	A new frontier in Texas: managing and regulating brackish groundwater. <b>2016</b> , 18, 727-749		6
485	An Integrated System-Oriented Model for the Interoperability of Multiple Emergency Response Agencies in Large-Scale Disasters: Implications for the Persian Gulf. <b>2016</b> , 7, 227-244		10
484	A critical evaluation of renewable energy technologies for desalination. <b>2016</b> ,		3
483	Lab scale assessment of power generation using pressure retarded osmosis from wastewater treatment plants in the state of Kuwait. <i>Desalination</i> , <b>2016</b> , 396, 57-69	10.3	9
482	Desalination by Membrane Distillation. <b>2016</b> , 77-109		5
481	Water Treatment by Electromembrane Processes. <b>2016</b> , 181-214		2
480	Sustainable zero liquid discharge desalination (SZLDD). <b>2016</b> , 135, 337-347		29
479	Operation of Cap Djinet desalination plant and dilution of brine with power station cooling water. <b>2016</b> , 57, 3514-3521		1
478	Efficient thermal desalination technologies with renewable energy systems: A state-of-the-art review. <b>2016</b> , 33, 351-387		39
477	Bioindicators as metrics for environmental monitoring of desalination plant discharges. <b>2016</b> , 103, 313-318		24
476	Desalination and concentration of saline aqueous solutions up to supersaturation by air gap membrane distillation and crystallization fouling. <i>Desalination</i> , <b>2016</b> , 393, 39-51	10.3	39

475	People-Technology-Ecosystem Integration: A Framework to Ensure Regional Interoperability for Safety, Sustainability, and Resilience of Interdependent Energy, Water, and Seafood Sources in the (Persian) Gulf. <b>2016</b> , 58, 43-57		18
474	Membrane Desalination: Where Are We, and What Can We Learn from Fundamentals?. <b>2016</b> , 7, 29-64		42
473	Chemical elements of brine discharge from operational Tajoura reverse osmosis desalination plant. <b>2016</b> , 57, 5345-5349		8
472	Electrodialysis with Bipolar Membranes for Valorization of Brines. <b>2016</b> , 45, 275-287		35
471	Seawater desalination for crop irrigation   A review of current experiences and revealed key issues. <i>Desalination</i> , <b>2016</b> , 381, 58-70	10.3	80
470	Subsurface intake systems: Green choice for improving feed water quality at SWRO desalination plants, Jeddah, Saudi Arabia. <b>2016</b> , 88, 216-224		31
469	Desalination and sustainability - An appraisal and current perspective. <b>2016</b> , 89, 87-106		263
468	Modified reduced buoyancy flux model for desalination discharges. <i>Desalination</i> , <b>2016</b> , 378, 53-59	10.3	7
467	Humidification-dehumidification desalination process driven by photovoltaic thermal energy recovery (PV-HDH) for small-scale sustainable water and power production. <i>Desalination</i> , <b>2016</b> , 377, 163-171	10.3	68
466	Life cycle cost of a hybrid forward osmosis - low pressure reverse osmosis system for seawater desalination and wastewater recovery. <b>2016</b> , 88, 225-234		166
465	Macromolecule-based platforms for developing tailor-made formulations for scale inhibition. <b>2016</b> , 2, 71-84		22
464	CFD modeling and analysis of brine spray evaporation system. <b>2016</b> , 57, 12977-12987		
463	Non-conventional water resources research in semi-arid countries of the Middle East. <b>2016</b> , 57, 2290-2303		20
462	Environmental and economic appraisal of agricultural water desalination use in South Iran: a comparative study of tomato production. <b>2017</b> , 5, 91-102		8
461	To desalinate or divert? A comparative supply cost analysis for north coastal China. <b>2017</b> , 33, 93-110		2
460	Comparative Developmental Toxicity of Desalination Brine and Sulfate-Dominated Saltwater in a Euryhaline Fish. <b>2017</b> , 72, 294-302		5
459	Enhancement of corrosion resistance in thermal desalination plants by diamond like carbon coating. <i>Desalination</i> , <b>2017</b> , 409, 183-188	10.3	15
458	Variations in isotopic composition of desalinated water. <b>2017</b> , 31, 209-214		1



457	Observed precipitation trend changes in the western Mediterranean region. <b>2017</b> , 37, 1285-1296		47
456	Introducing ocean energy industries to a busy marine environment. <b>2017</b> , 74, 178-185		27
455	Partial desalination of hypersaline brine by lab-scale ion concentration polarization device. <i>Desalination</i> , <b>2017</b> , 412, 20-31	10.3	15
454	Geothermal sea water desalination system (GSWDS) using abandoned oil/gas wells. <b>2017</b> , 67, 66-75		35
453	Numerical Modeling of Vertical Buoyant Jets Subjected to Lateral Confinement. <b>2017</b> , 143, 04017016		23
452	A review of the management and treatment of brine solutions. <b>2017</b> , 3, 625-658		84
451	Magnetically recyclable self-assembled thin films for highly efficient water evaporation by interfacial solar heating. <b>2017</b> , 7, 19849-19855		67
450	Water Resources in Arid Areas: The Way Forward. <b>2017</b> ,		4
449	Desalinated drinking water in the GCC countries - The need to address consumer perceptions. <b>2017</b> , 158, 203-211		20
448	Short-term effects of SWRO desalination brine on benthic heterotrophic microbial communities. <i>Desalination</i> , <b>2017</b> , 417, 52-59	10.3	38
447	Recent Developments in Forward Osmosis Processes. <b>2017</b> , 16, 9781780408125		7
446	Climate change: The game changer in the Gulf Cooperation Council Region. <b>2017</b> , 76, 555-576		74
445	Favorable influence of mPIAM on PSf blend membranes for ion rejection. <b>2017</b> , 533, 229-240		9
444	Assessment of the effectiveness of new green scale inhibitors used in reverse-osmosis seawater desalination. <b>2017</b> , 57, 139-152		5
443	Multiport Diffusers for Dense Discharge in Flowing Ambient Water. <b>2017</b> , 143, 04017003		19
442	Environmental impact of RO units installation in main water treatment plants of Basrah city/south of Iraq. <i>Desalination</i> , <b>2017</b> , 404, 270-279	10.3	1
441	Chemically exfoliated MoS <sub>2</sub> for capacitive deionization of saline water. <b>2017</b> , 31, 590-595		121
440	Brine management methods: Recent innovations and current status. <i>Desalination</i> , <b>2017</b> , 407, 1-23	10.3	154

439	The effect of coagulants and antiscalants discharged with seawater desalination brines on coastal microbial communities: A laboratory and in situ study from the southeastern Mediterranean. <b>2017</b> , 110, 321-331	41
438	A small scale Pressure Retarded Osmosis power plant: dynamics of the brackish effluent discharge along the coast. <b>2017</b> , 130, 417-428	10
437	Scalable and low-cost synthesis of black amorphous Al-Ti-O nanostructure for high-efficient photothermal desalination. <b>2017</b> , 41, 600-608	107
436	Zero Liquid Discharge in Desalination. <b>2017</b> , 221-241	2
435	Desalination by Reverse Osmosis. <b>2017</b> , 155-199	1
434	Sustainable RO desalination [Energy demand and environmental impact. <i>Desalination</i> , <b>2017</b> , 424, 10-16	10.3 69
433	Ecotoxicological impact assessment of the brine discharges from a desalination plant in the marine waters of the Algerian west coast, using a multibiomarker approach in a limpet, <i>Patella rustica</i> . <b>2017</b> , 24, 24521-24532	14
432	Reverse osmosis brine treatment using direct contact membrane distillation: Effects of feed temperature and velocity. <i>Desalination</i> , <b>2017</b> , 423, 149-156	10.3 46
431	Dynamic hydrographic variations in northwestern Arabian Gulf over the past three decades: Temporal shifts and trends derived from long-term monitoring data. <b>2017</b> , 122, 488-499	27
430	Substituting freshwater: Can ocean desalination and water recycling capacities substitute for groundwater depletion in California?. <b>2017</b> , 203, 123-135	13
429	Utilization of Desalination Brine for Sodium Hydroxide Production: Technologies, Engineering Principles, Recovery Limits, and Future Directions. <b>2017</b> , 5, 11147-11162	48
428	Chemical fundamentals and applications of molten salts. <b>2017</b> , 29-91	3
427	Desalination and the commons: tragedy or triumph?. <b>2017</b> , 33, 890-906	10
426	Synthesis of Black TiO <sub>x</sub> Nanoparticles by Mg Reduction of TiO <sub>2</sub> Nanocrystals and their Application for Solar Water Evaporation. <b>2017</b> , 7, 1601811	246
425	Integrated modeling of single port brine discharges into unstratified stagnant ambient. <b>2017</b> , 17, 247-275	3
424	The use of desalination concentrate as a potential substrate for microalgae cultivation in Brazil. <b>2017</b> , 24, 505-508	16
423	Chlorine affects photosystem II and modulates the transcriptional levels of photosynthesis-related genes in the dinoflagellate <i>Prorocentrum minimum</i> . <b>2017</b> , 29, 153-163	11
422	Feasibility study of energy storage by concentrating/desalinating water: Concentrated Water Energy Storage. <b>2017</b> , 185, 872-884	11

421	Marmara Seawater Desalination by Membrane Distillation: Direct Consumption Assessment of Produced Drinking Water. <b>2017</b> ,		
420	Introduction. <b>2017</b> , 1-30		2
419	Advanced Membrane-Based Desalination Systems for Water and Minerals Extracted From the Sea. <b>2017</b> , 237-259		
418	Suppressing Salt Transport through Composite Pervaporation Membranes for Brine Desalination. <b>2017</b> , 7, 856		19
417	Biomineralization Mediated by Ureolytic Bacteria Applied to Water Treatment: A Review. <b>2017</b> , 7, 345		23
416	On the Desalination of Saline Waters via Batch Adsorption with Spent Tea Leaves. <b>2017</b> , 08,		
415	Modified Desalination Scheme for Handling Reject Brines. <b>2017</b> , 07,		1
414	4.14 End-of-Life Membranes: Challenges and Opportunities. <b>2017</b> , 293-310		1
413	Introduction to Desalination. <b>2017</b> , 1-17		3
412	3.8 Membrane-Based Processes for Sustainable Power Generation Using Water: Pressure-Retarded Osmosis (PRO), Reverse Electrodialysis (RED), and Capacitive Mixing (CAPMIX). <b>2017</b> , 206-248		14
411	Climate Change and Water Scarcity: The Case of Saudi Arabia. <b>2015</b> , 81, 342-53		105
410	A review of graphene-based separation membrane: Materials, characteristics, preparation and applications. <i>Desalination</i> , <b>2018</b> , 437, 59-72	10.3	140
409	Design and results of a first generation pilot plant for supercritical water desalination (SCWD). <i>Desalination</i> , <b>2018</b> , 439, 80-92	10.3	22
408	Sodium Hydroxide Production from Seawater Desalination Brine: Process Design and Energy Efficiency. <b>2018</b> , 52, 5949-5958		52
407	Recovering water from brine: Assessments of feasibility and applicability to irrigation processes. <i>Desalination</i> , <b>2018</b> , 439, 17-24	10.3	0
406	Ecological-Economic modeling to optimize a desalination policy: Case study of an arid rentier state. <i>Desalination</i> , <b>2018</b> , 430, 64-73	10.3	20
405	The carbon footprint and environmental impact assessment of desalination. <b>2018</b> , 75, 45-58		11
404	Energy efficiency of direct contact membrane distillation. <i>Desalination</i> , <b>2018</b> , 433, 56-67	10.3	80

403	Reverse osmosis brine treatment using direct contact membrane distillation (DCMD): effect of membrane characteristics on desalination performance and the wetting phenomenon. <b>2018</b> , 4, 428-437	20
402	Application of Nanotechnology in Water Treatment, Wastewater Treatment and Other Domains of Environmental Engineering Science A Broad Scientific Perspective and Critical Review. <b>2018</b> , 1-39	1
401	Occurrence of hypersaline groundwater along the coastal aquifers of Kuwait. <i>Desalination</i> , <b>2018</b> , 436, 15-27	10.3 18
400	Desalination in Algeria: Current State and Recommendations for Future Projects. <b>2018</b> , 37-58	1
399	Obtaining soil hydraulic parameters from soil water content data assimilation under different climatic/soil conditions. <b>2018</b> , 163, 311-320	9
398	The relevance of water recirculation in large scale mineral processing plants with a remote water supply. <b>2018</b> , 177, 34-51	33
397	Hydrodynamic classification of submerged Thermal-Saline Inclined Single-Port discharges. <b>2018</b> , 130, 299-306	2
396	New insights into the humic acid fouling mechanism of ultrafiltration membranes for different Ca dosage ranges: results from micro- and macro-level analyses. <b>2018</b> , 77, 2265-2273	5
395	A simple coating method to prepare superhydrophobic layers on ceramic alumina for vacuum membrane distillation. <b>2018</b> , 198, 79-86	53
394	Removal of selected pesticides from groundwater by membrane distillation. <b>2018</b> , 25, 20336-20347	16
393	Environmental issues in seawater reverse osmosis desalination: Intakes and outfalls. <i>Desalination</i> , <b>2018</b> , 434, 198-215	10.3 144
392	Ion separation and water purification by applying external electric field on porous graphene membrane. <b>2018</b> , 11, 2229-2236	32
391	Trihalomethanes in desalinated water: Human exposure and risk analysis. <b>2018</b> , 24, 26-48	9
390	Exploring the environmental impact assessment commissioners' perspectives on the development of the seawater desalination project. <i>Desalination</i> , <b>2018</b> , 428, 108-115	10.3 19
389	CULTIVATION OF <i>Chlorella vulgaris</i> IN MEDIUM SUPPLEMENTED WITH DESALINATION CONCENTRATE GROWN IN A PILOT-SCALE OPEN RACEWAY. <b>2018</b> , 35, 1183-1192	9
388	A Reliable Seawater Desalination System Based on Membrane Technology and Biotechnology Considering Reduction of the Environmental Impact. <b>2018</b> , 5, 127	8
387	. <b>2018</b> ,	1
386	Changes in fish assemblages caused by different Neotropical biomes.. <b>2018</b> , 46, 660-672	1

385	Mobilising the oceans to quench our thirst. 1-23		2
384	Evaluating efficiency and stability of calcite scaling inhibitors at high pressure and high temperature in laboratory scale. <b>2018</b> , 6,		7
383	EFFECTS OF DESALINATION ON HYDRODYNAMIC PROCESS IN PERSIAN GULF. <b>2018</b> , 3		2
382	Recent Advance on Draw Solutes Development in Forward Osmosis. <b>2018</b> , 6, 165		29
381	Hydrographic parameters and distribution of dissolved Cu, Ni, Zn and nutrients near Jeddah desalination plant. <b>2018</b> , 16, 246-257		5
380	Renewable Energy-Driven Desalination Hybrids for Sustainability. <b>2018</b> ,		2
379	Experimental study on low temperature desalination by flash evaporation in a novel compact chamber design. <i>Desalination</i> , <b>2018</b> , 448, 103-112	10.3	11
378	An integrated framework for sustainability assessment of seawater desalination. <i>Desalination</i> , <b>2018</b> , 447, 1-17	10.3	23
377	Near-Field Observations of an Offshore Multiport Brine Diffuser under Various Operating Conditions. <b>2018</b> , 144, 05018007		4
376	First large-scale ecological impact study of desalination outfall reveals trade-offs in effects of hypersalinity and hydrodynamics. <b>2018</b> , 145, 757-768		24
375	Selectrodialysis with bipolar membrane for the reclamation of concentrated brine from RO plant. <i>Desalination</i> , <b>2018</b> , 442, 8-15	10.3	45
374	Developments in oilfield scale handling towards green technology-A review. <b>2018</b> , 169, 428-444		38
373	Progress and prospects in reverse electrodialysis for salinity gradient energy conversion and storage. <b>2018</b> , 225, 290-331		150
372	Thermodynamic, Exergy, and Thermoeconomic analysis of Multiple Effect Distillation Processes. <b>2018</b> , 445-489		3
371	Predictors of coastal stakeholders' knowledge about seawater desalination impacts on marine ecosystems. <b>2018</b> , 639, 785-792		17
370	Environmental Impact and Technoeconomic Analysis of Hybrid MSF/RO Desalination: The Case Study of Al Taweelah A2 Plant. <b>2018</b> , 55-97		3
369	The environmental sustainability evaluation of an urban tap water treatment plant based on emergy. <b>2018</b> , 94, 28-38		11
368	High-Pressure Reverse Osmosis for Energy-Efficient Hypersaline Brine Desalination: Current Status, Design Considerations, and Research Needs. <b>2018</b> , 5, 467-475		114

367	Cleaning efficiency of the fouled forward osmosis membranes under different experimental conditions. <b>2018</b> , 6, 4555-4563	22
366	Brine Disposal and Management Planning, Design, and Implementation. <b>2018</b> , 259-303	4
365	Post-Treatment of Desalinated Water Chemistry, Design, Engineering, and Implementation. <b>2018</b> , 305-350	4
364	Environmental Regulations Inland and Coastal Desalination Case Studies. <b>2018</b> , 403-435	5
363	Impacts of Seawater Desalination on Coastal Environments. <b>2018</b> , 437-463	12
362	Social Issues and Public Acceptance of Seawater Desalination Plants. <b>2018</b> , 505-525	5
361	High-Salinity Pressure Retarded Osmosis Using Seawater Reverse Osmosis Brine. <b>2018</b> , 297-316	2
360	Special Issue on Wastewater Treatment and Reuse Technologies. <b>2018</b> , 8, 695	
359	High-Performance Thin-Film-Nanocomposite Cation Exchange Membranes Containing Hydrophobic Zeolitic Imidazolate Framework for Monovalent Selectivity. <b>2018</b> , 8, 759	6
358	Impact of brine and antiscalants on reef-building corals in the Gulf of Aqaba - Potential effects from desalination plants. <b>2018</b> , 144, 183-191	49
357	Substrate Effect on Carbon/Ceramic Mixed Matrix Membrane Prepared by a Vacuum-Assisted Method for Desalination. <b>2018</b> , 6, 47	5
356	Leveraging Sustainable Irrigated Agriculture via Desalination: Evidence from a Macro-Data Case Study in Israel. <b>2018</b> , 10, 974	10
355	SWRO-PRO System in Mega-ton Water System For Energy Reduction and Low Environmental Impact. <b>2018</b> , 10, 48	35
354	Addressing Desalination Carbon Footprint: The Israeli Experience. <b>2018</b> , 10, 197	29
353	Modulation of halotropic growth in rough bluegrass ( <i>Poa trivialis</i> L.) by flavonoids and light. <b>2018</b> , 153, 163-175	3
352	Scaling problems and control technologies in industrial operations: Technology assessment. <b>2018</b> , 207, 20-27	9
351	Beneficial uses and valorization of reverse osmosis brines. <b>2018</b> , 365-397	4
350	Vacuum Stripping Membrane Desalination for Marmara Seawater. <b>2018</b> , 1017-1027	

349	Characterizing the fossil fuel impacts in water desalination plants in Kuwait: A Life Cycle Assessment approach. <b>2018</b> , 158, 681-692	27
348	Management preferences and attitudes regarding environmental impacts from seawater desalination: Insights from a small coastal community. <b>2018</b> , 163, 22-29	10
347	Technological Approaches for the Reduction of Microplastic Pollution in Seawater Desalination Plants and for Sea Salt Extraction. <b>2019</b> ,	6
346	Size Scaling of Contaminant Trace Metal Accumulation in the Infaunal Marine Clam <i>Amiantis umbonella</i> . <b>2019</b> , 77, 368-376	
345	Spatiotemporal Influences of Open-Coastal Forcing Dynamics on a Dense Multiport Diffuser Outfall. <b>2019</b> , 145, 05019004	1
344	Calcium sulfate precipitation pathways in natural and engineered environments. <b>2019</b> , 530, 119274	39
343	Desalination brine disposal methods and treatment technologies - A review. <b>2019</b> , 693, 133545	184
342	Neo-hydraulic water management: an international comparison of idle desalination plants. <b>2019</b> , 16, 125-135	5
341	Integrating concentrated solar power with seawater desalination technologies: a multi-regional environmental assessment. <b>2019</b> , 14, 074014	19
340	Principles to enable comprehensive national marine ecosystem status assessments from disparate data: The state of the marine environment in Kuwait. <b>2019</b> , 230, 106407	8
339	Solar Energy Technologies and Water Potential for Distillation: A Pre-Feasibility Investigation for Rajasthan, India. <b>2019</b> , 39-82	3
338	An Offshore Wind-Power-Based Water Desalination Complex as a Response to an Emergency in Water Supply to Northern Crimea. <b>2019</b> , 55, 260-264	3
337	Prevention is better than cure: Persian Gulf biodiversity vulnerability to the impacts of desalination plants. <b>2019</b> , 25, 4022-4033	27
336	Impact of Brine Discharge from Seawater Desalination Plants on Persian/Arabian Gulf Salinity. <b>2019</b> , 145, 04019084	10
335	Scaling of reverse osmosis membranes used in water desalination: Phenomena, impact, and control; future directions. <i>Desalination</i> , <b>2019</b> , 455, 135-157	10.3 99
334	Recent Developments in Solar Thermal Desalination Technologies: A Review. <b>2019</b> , 12, 119	49
333	Biological and Physical Effects of Brine Discharge from the Carlsbad Desalination Plant and Implications for Future Desalination Plant Constructions. <b>2019</b> , 11, 208	22
332	Desalination Technologies. <b>2019</b> , 11-34	8

331	Determination of the ORC-RO system optimum parameters based on 4E analysis; WaterEnergy-Environment nexus. <b>2019</b> , 183, 772-790	38
330	Triple-Layer Nanofiber Membranes for Treating High Salinity Brines Using Direct Contact Membrane Distillation. <b>2019</b> , 9,	16
329	The Energy-Water-Health Nexus Under Climate Change in the United Arab Emirates: Impacts and Implications. <b>2019</b> , 131-180	0
328	Water, Energy and Food Supply Security in the Gulf Cooperation Council (GCC) CountriesA Risk Perspective. <b>2019</b> , 11, 455	37
327	Computational fluid dynamics simulations of polarization phenomena in direct contact membrane distillation. <b>2019</b> , 591, 117150	24
326	Synthesis, characterization and performance evaluation of an environmentally benign scale inhibitor IA/AMPS co-polymer. <b>2019</b> , 43, 9472-9482	14
325	Towards an urban marine ecology: characterizing the drivers, patterns and processes of marine ecosystems in coastal cities. <b>2019</b> , 128, 1215-1242	79
324	Highly efficient electrochemical conversion of CO <sub>2</sub> and NaCl to CO and NaClO. <b>2019</b> , 21, 3256-3262	27
323	Interfacial Solar-to-Heat Conversion for Desalination. <b>2019</b> , 9, 1900310	114
322	Desalination and Solar Still: Boon to Earth. <b>2019</b> , 1-24	2
321	Biobased Sanitizer Delivery System for Improved Sanitation of Bacterial and Fungal Biofilms. <b>2019</b> , 11, 17204-17214	14
320	Using Stable Carbon and Nitrogen Isotopes to Investigate the Impact of Desalination Brine Discharge on Marine Food Webs. <b>2019</b> , 6,	7
319	State of the art of synthetic threshold scale inhibitors for mineral scaling in the petroleum industry: a review. <b>2019</b> , 16, 830-849	32
318	Perspective of renewable desalination by using membrane distillation. <b>2019</b> , 144, 520-537	52
317	Nature-inspired salt resistant bimodal porous solar evaporator for efficient and stable water desalination. <b>2019</b> , 12, 1558-1567	269
316	Climate Change and Energy Dynamics in the Middle East. <b>2019</b> ,	2
315	Coastal Development and Climate Risk Reduction in the Persian/Arabian Gulf. <b>2019</b> , 60-74	5
314	Cost and energy needs of RO-ED-crystallizer systems for zero brine discharge seawater desalination. <i>Desalination</i> , <b>2019</b> , 457, 115-132	10.3 28



313	Techno-economic analysis of ion concentration polarization desalination for high salinity desalination applications. <b>2019</b> , 155, 162-174		10
312	Assessing vertical and horizontal movements of algal blooms in a coastal water using satellite remote sensing for optimal operation of desalination plants. <b>2019</b> , 19, 2123-2130		0
311	Issues Regarding the Optimum Tilt Angle of Solar Applications in Western Romania. <b>2019</b> ,		0
310	Life-Cycle Assessment of Thermal Desalination: Environmental Perspective on a Vital Option for Some Countries. <b>2019</b> ,		1
309	Viscoelasticity of Quartz and Kaolin Slurries in Seawater: Importance of Magnesium Precipitates. <b>2019</b> , 9, 1120		10
308	. <b>2019</b> ,		0
307	References. <b>2019</b> , 243-246		
306	One-Step Removal of Calcium, Magnesium, and Nickel in Desalination by <i>Alcaligenes aquatilis</i> via Biomineralization. <b>2019</b> , 9, 633		7
305	Incorporating zirconia nanoparticles into activated carbon as electrode material for capacitive deionization. <b>2019</b> , 772, 1079-1087		26
304	Potential local environmental impacts of salinity gradient energy: A review. <b>2019</b> , 102, 111-120		17
303	Modeling Nonconfined Density Currents Using 3D Hydrodynamic Models. <b>2019</b> , 145, 04018088		11
302	The carbon footprint of desalination: An input-output analysis of seawater reverse osmosis desalination in Australia for 2005-2015. <i>Desalination</i> , <b>2019</b> , 454, 71-81	10.3	36
301	Chronic effects of brine discharge from large-scale seawater reverse osmosis desalination facilities on benthic bacteria. <b>2019</b> , 151, 478-487		31
300	Modeling of NF/RO membrane fouling and flux decline using real-time observations. <b>2019</b> , 576, 66-77		24
299	Spatio-temporal distribution and sources identifications of polycyclic aromatic hydrocarbons and their alkyl homolog in surface sediments in the central Arabian Gulf. <b>2019</b> , 658, 787-797		14
298	Disinfection by-products in desalinated and blend water: formation and control strategy. <b>2019</b> , 17, 1-24		5
297	Technology review and data analysis for cost assessment of water treatment systems. <b>2019</b> , 651, 2749-2761		81
296	Examining the life-cycle environmental impacts of desalination: A case study in the State of Qatar. <i>Desalination</i> , <b>2019</b> , 452, 238-246	10.3	54

295	Optimization of the solar brine evaporation process: Introduction of a solar air heater. <b>2019</b> , 38, e13062	3
294	Pressure Retarded Osmosis and Reverse Electrodialysis as Power Generation Membrane Systems. <b>2019</b> , 133-152	2
293	Environmental and economic benefits of applying green building concepts in Kuwait. <b>2020</b> , 22, 3371-3387	10
292	Nanotechnology in water and wastewater treatment. Graphene [the nanomaterial for next generation of semipermeable membranes. <b>2020</b> , 50, 1515-1579	9
291	Transboundary Water Issues in Israel, Palestine, and the Jordan River Basin. <b>2020</b> ,	1
290	Electrodialysis desalination for water and wastewater: A review. <b>2020</b> , 380, 122231	236
289	Evaluation of gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) scale formation and its inhibition by different antiscalants by static and dynamic test. <b>2020</b> , 62, 251-262	3
288	Impact of isolated dissolved organic fractions from seawater on biofouling in reverse osmosis (RO) desalination process. <b>2020</b> , 168, 115198	9
287	Occurrence of disinfectant by-products in desalinated drinking water in Egypt. <b>2020</b> , 34, 729-736	4
286	Unique applications and improvements of reverse electrodialysis: A review and outlook. <b>2020</b> , 262, 114482	51
285	Pilot-scale demonstration of an electrochemical system for lithium recovery from the desalination concentrate. <b>2020</b> , 6, 290-295	9
284	Analysis of microbeads in cosmetic products in the United Arab Emirates. <b>2020</b> , 258, 113831	21
283	Human exposure and risk of trihalomethanes during continuous showering events. <b>2020</b> , 701, 134521	8
282	Use of <i>Tridacna maxima</i> , a bivalve in the biomonitoring of the Saudi Arabian Red Sea coast. <b>2020</b> , 150, 110766	
281	Experimental study of evaporation and crystallization of brine droplets under different temperatures and humidity levels. <b>2020</b> , 110, 104427	6
280	Effect of Desalination Discharge on the Abundance and Diversity of Reef Fishes. <b>2020</b> , 54, 735-744	10
279	Enhanced water yield of solar desalination by thermal concentrated multistage distiller. <i>Desalination</i> , <b>2020</b> , 477, 114260	10.3 33
278	Field-Scale Numerical Modeling of a Dense Multiport Diffuser Outfall in Crossflow. <b>2020</b> , 146, 05019006	8

277	A comparative study on minimum and actual energy consumption for the treatment of desalination brine. <b>2020</b> , 212, 118733		27
276	Numerical investigation of hydrodynamics and crystal growth in a forced circulation crystallizer. <i>Desalination</i> , <b>2020</b> , 496, 114739	10.3	2
275	Influence of organic fouling layer characteristics and osmotic backwashing conditions on cleaning efficiency of RO membranes. <b>2020</b> , 616, 118604		10
274	Availability and Feasibility of Water Desalination as a Non-Conventional Resource for Agricultural Irrigation in the MENA Region: A Review. <b>2020</b> , 12, 7592		12
273	Degradation of forward osmosis (FO) membrane in multi-effect distillation (MED) brine: change of transport, physicochemical and anti-fouling properties. <i>Desalination</i> , <b>2020</b> , 496, 114734	10.3	2
272	Predicting risk and loss of disability-adjusted life years (DALY) from selected disinfection byproducts in multiple water supply sources in Saudi Arabia. <b>2020</b> , 737, 140296		4
271	An updated review on multi-carrier energy systems with electricity, gas, and water energy sources. <b>2020</b> , 275, 123136		10
270	An Overview on the Treatment and Management of the Desalination Brine Solution. <b>2020</b> ,		10
269	Waste heat-driven desalination systems: Perspective. <b>2020</b> , 209, 118373		50
268	Simplified Modelling of Inclined Turbulent Dense Jets. <b>2020</b> , 5, 204		3
267	Recent advances in solar-driven evaporation systems. <b>2020</b> , 8, 25571-25600		28
266	Environmental impact of desalination technologies: A review. <b>2020</b> , 748, 141528		99
265	Experimental investigation of nozzle angle effects on the brine discharge by inclined dense jets in stagnant water ambient. <b>2020</b> , 2, 1		1
264	A review of radioactivity in the Gulf region. <b>2020</b> , 159, 111481		9
263	Multiple Salinity Equilibria and Resilience of Persian/Arabian Gulf Basin Salinity to Brine Discharge. <b>2020</b> , 7,		7
262	Requirements for the Construction of New Desalination Plants into a Framework of Sustainability. <b>2020</b> , 12, 5124		11
261	Microplastic Pollution and Reduction Strategies. <b>2020</b> , 1-33		0
260	Review of the management of brine discharges in Spain. <b>2020</b> , 196, 105301		10

259	Ecotoxicological effects assessment of brine discharge from desalination reverse osmosis plant in Algeria (South Western Mediterranean). <b>2020</b> , 39, 101407		2
258	Multi-effect distillation brine treatment by membrane distillation: Effect of antiscalant and antifoaming agents on membrane performance and scaling control. <i>Desalination</i> , <b>2020</b> , 493, 114653	10.3	24
257	Environmental impacts of desalination and brine treatment - Challenges and mitigation measures. <b>2020</b> , 161, 111773		67
256	A Review of Green Scale Inhibitors: Process, Types, Mechanism and Properties. <b>2020</b> , 10, 928		23
255	The effect of phosphonate-based antiscalant on gypsum precipitation kinetics and habit in hyper-saline solutions: An experimental and modeling approach to the planned Red Sea Dead Sea Project. <i>Desalination</i> , <b>2020</b> , 496, 114638	10.3	5
254	Revisiting Mean Flow and Mixing Properties of Negatively Round Buoyant Jets Using the Escaping Mass Approach (EMA). <b>2020</b> , 5, 131		2
253	Improving Prediction Accuracy of Socio-Human Relationships in a Small-Scale Desalination Plant. <b>2020</b> , 12, 6949		4
252	Compartmentalized desalination and salination by high energy density desalination seawater battery. <i>Desalination</i> , <b>2020</b> , 495, 114666	10.3	15
251	Modeling the effects of brine outflow from desalination plants on coastal food-webs of the Levantine basin (eastern Mediterranean Sea). <i>Desalination</i> , <b>2020</b> , 496, 114757	10.3	4
250	Long-Running Comparison of Feed-Water Scaling in Membrane Distillation. <b>2020</b> , 10,		6
249	Scale-Phobic Surfaces Made of Rare Earth Oxide Ceramics. <b>2020</b> , 12, 42339-42347		3
248	Derivation of Engineering Design Criteria for Flow Field Around Intake Structure: A Numerical Simulation Study. <b>2020</b> , 8, 827		2
247	Diagnoses for Potential Enaction of Water-Energy Nexus in Green Building Rating Systems: Case Study of the Pearl Rating System of United Arab Emirates. <b>2020</b> , 13, 5284		0
246	Sustainable desalination: Long-term monitoring of brine discharge in the marine environment. <b>2020</b> , 161, 111813		7
245	Three-Dimensional Numerical Study of Multiple Vertical Buoyant Jets in Stationary Ambient Water. <b>2020</b> , 146, 04020049		14
244	Spirulina sp. LEB 18 cultivation in a raceway-type bioreactor using wastewater from desalination process: Production of carbohydrate-rich biomass. <b>2020</b> , 311, 123495		16
243	Validation and Mechanism of a Low-Cost Graphite Carbon Electrode for Electrochemical Brine Valorization. <b>2020</b> , 8, 8648-8654		3
242	Membrane Technology. <b>2020</b> , 327-373		1

241	Recent trends and research strategies for treatment of water and wastewater in India. <b>2020</b> , 139-168	0
240	New hydrogel materials for improving solar water evaporation, desalination and wastewater treatment: A review. <i>Desalination</i> , <b>2020</b> , 491, 114564	10.3 66
239	Tracking the formation of new brominated disinfection by-products during the seawater desalination process. <b>2020</b> , 6, 2521-2541	3
238	Environmental impact of desalination processes: Mitigation and control strategies. <b>2020</b> , 740, 140125	78
237	Energy for desalination: A state-of-the-art review. <i>Desalination</i> , <b>2020</b> , 491, 114569	10.3 113
236	Partial seawater desalination treatment for improving chalcopyrite floatability and tailing flocculation with clay content. <b>2020</b> , 151, 106307	13
235	Sustainability Ranking of Desalination Plants Using Mamdani Fuzzy Logic Inference Systems. <b>2020</b> , 12, 631	17
234	CFD Modeling of Effluent Discharges: A Review of Past Numerical Studies. <b>2020</b> , 12, 856	12
233	A novel graphene oxide-based ceramic composite as an efficient electrode for capacitive deionization. <b>2020</b> , 10, 9676	7
232	Recent progress on the utilization of waste heat for desalination: A review. <b>2020</b> , 221, 113105	81
231	Corrosion and Fouling Control in Desalination Industry. <b>2020</b> ,	7
230	Evaluating the potential area and environmental key factors for Sargassum bed restoration in highly turbid waters of the northwestern Arabian Gulf. <b>2020</b> , 153, 110949	1
229	CO utilization: Turning greenhouse gas into fuels and valuable products. <b>2020</b> , 260, 110059	47
228	ADVANCES IN UTILIZATION OF WASTEWATER IN AGRICULTURAL PRACTICE: A TECHNICAL NOTE. <b>2020</b> , 69, 149-163	5
227	Leveraging life cycle assessment and simplex lattice design in optimizing fossil fuel blends for sustainable desalination. <b>2020</b> , 25, 744-759	5
226	Modelling the distributions of desalination brines from multiple sources along the Mediterranean coast of Israel. <b>2020</b> , 173, 115555	14
225	Environmental impact of water-use in buildings: Latest developments from a life-cycle assessment perspective. <b>2020</b> , 261, 110198	21
224	Multistage and passive cooling process driven by salinity difference. <b>2020</b> , 6, eaax5015	11

223	Advances in Experimental and Genetic Mineralogy. <b>2020</b> ,	
222	Acceptance of direct potable water reuse for domestic purposes: evidence from southern Spain. <b>2021</b> , 37, 772-792	3
221	Characteristics of heavy metal separation and determination of limiting current density in a pilot-scale electro dialysis process for plating wastewater treatment. <b>2021</b> , 757, 143762	11
220	Optimal design and operation of an islanded water-energy network including a combined electro dialysis-reverse osmosis desalination unit. <b>2021</b> , 167, 395-408	6
219	Biofilm removal efficacy using direct electric current in cross-flow ultrafiltration processes for water treatment. <b>2021</b> , 620, 118808	1
218	Microplastic Pollution and Reduction Strategies. <b>2021</b> , 1-33	1
217	Osmotic backwashing of forward osmosis membranes to detach adhered bacteria and mitigate biofouling. <b>2021</b> , 620, 118838	6
216	Highly stable graphene oxide composite nanofiltration membrane. <b>2021</b> , 13, 10061-10066	5
215	Environmental Performance of Small-Scale Seawater Reverse Osmosis Plant for Rural Area Water Supply. <b>2021</b> , 11,	3
214	Energy, Exergy, and Thermo-Economic Analysis of Renewable Energy-Driven Polygeneration Systems for Sustainable Desalination. <b>2021</b> , 9, 210	6
213	Emerging nanoenhanced membrane-based hybrid processes for complex industrial wastewater treatment. <b>2021</b> , 633-656	0
212	Retracted: A review on biodesalination using halophytic microalgae: opportunities and challenges.	1
211	Gypsum Precipitation under Saline Conditions: Thermodynamics, Kinetics, Morphology, and Size Distribution. <b>2021</b> , 11, 141	12
210	Sustainability assessment and environmental impacts of water supply systems: a case study in Tampa Bay water supply system. <b>2021</b> , 308, 01010	
209	The Strategy of Salt Business Development: A Case Study in Sumenep, Indonesia. <b>2021</b> , 226, 00036	
208	Assessment and reform of greywater reuse policies and practice: a case study from Sharjah, United Arab Emirates. <b>2021</b> , 23, 376-396	
207	A review of performance improvement strategies for graphene oxide-based and graphene-based membranes in water treatment. <b>2021</b> , 56, 9545-9574	15
206	Treatment of Brackish Water RO Brine via Bipolar Membrane Electro dialysis. <b>2021</b> , 60, 3115-3129	6

205	Energy consumption and environmental impact assessment of desalination plants and brine disposal strategies. <b>2021</b> , 147, 589-608	25
204	Environmental impact assessment of desalination plants through observations and modeling over Central Red Sea-Yanbu and Rabig. <b>2021</b> , 14, 1	3
203	Marine health of the Arabian Gulf: Drivers of pollution and assessment approaches focusing on desalination activities. <b>2021</b> , 164, 112085	6
202	Desalination; a comprehensive and practical assessment on challenges and opportunities ahead.	
201	Comparative toxicity of ionic and nanoparticulate zinc in the species <i>Cymodoce truncata</i> , <i>Gammarus aequicauda</i> and <i>Paracentrotus lividus</i> . <b>2021</b> , 28, 42891-42900	1
200	Scale inhibition in industrial water systems using chitosan-alginate mixture. <b>2021</b> , 35, 1122-1132	1
199	Beyond mains water: a survey of households that are self-sufficient for water in regional Australia. <b>2021</b> , 28, 149-168	1
198	Seagrasses in an era of ocean warming: a review. <b>2021</b> , 96, 2009-2030	14
197	Desalinated drinking-water provision in water-stressed regions: challenges of consumer-perception and environmental impact lessons from Antofagasta, Chile. 1-24	3
196	An overview of brine management: Emerging desalination technologies, life cycle assessment, and metal recovery methodologies. <b>2021</b> , 288, 112358	23
195	The Effect of Implementing the Integrated Management System in Desalination Plants in Conflict Zones: Case Study on the Gaza Strip. <b>2021</b> , 7, 9	0
194	De-politicising seawater desalination: Environmental Impact Assessments in the Atacama mining Region, Chile. <b>2021</b> , 120, 187-194	3
193	Selective Adsorption of Potassium in Seawater by CoHCF Thin Film Electrode and Its Electrochemical Desorption/Regeneration. <b>2021</b> , 14,	0
192	Selective electrochemical separation and recovery of calcium and magnesium from brine. <b>2021</b> , 264, 118416	5
191	Effect of unconventional water resources interventions on the management of Gaza coastal aquifer in Palestine.	0
190	Nanotechnology for sustainable water treatment [A review]. <b>2021</b> ,	6
189	Desalination Brine Management: Effect on Outfall Design.	
188	Future global urban water scarcity and potential solutions. <b>2021</b> , 12, 4667	49

187	Desalination: From Ancient to Present and Future. <b>2021</b> , 13, 2222		7
186	Desalination and environment: A critical analysis of impacts, mitigation strategies, and greener desalination technologies. <b>2021</b> , 780, 146585		38
185	Study of the salinity and pH dilution pattern of discharged brine of the Konarak desalination plant into the Chabahar bay: a case study. <b>2021</b> , 11, 1		0
184	Enhancing growth of mangrove seedlings in the environmentally extreme Arabian Gulf using treated sewage sludge. <b>2021</b> , 170, 112595		1
183	The study of a highly efficient and environment-friendly scale inhibitor for calcium carbonate scale in oil fields. <b>2021</b> , 7, 325-334		2
182	Sustainable brine management from the perspectives of water, energy and mineral recovery: A comprehensive review. <i>Desalination</i> , <b>2021</b> , 513, 115055	10.3	8
181	DPSIR framework and sustainable approaches of brine management from seawater desalination plants in Qatar. <b>2021</b> , 319, 128485		3
180	Is the development of desalination compatible with sustainable development of the Arabian Gulf?. <b>2021</b> , 173, 112940		3
179	Investigating the effect of PEG200 and two-dimensional h-BN on PVDF membrane performance for membrane distillation crystallization. <b>2021</b> , 22, 100545		1
178	Membrane bioreactor (MBR) as an advanced wastewater treatment technology for removal of synthetic microplastics. <b>2022</b> , 45-60		2
177	A decision support system for ranking desalination processes in the Arabian Gulf Countries based on hydrodynamic modeling evaluation of future changes in feedwater properties. <b>2021</b> , 683-738		1
176	Role of Advance Solar Desalination Technique for Sustainable Development. <b>2020</b> , 28-38		7
175	Near Field Flow Dynamics of Concentrate Discharges and Diffuser Design. <b>2015</b> , 369-396		3
174	Environmental Quality Standards for Brine Discharge from Desalination Plants. <b>2015</b> , 257-267		1
173	Energy projection of the seawater battery desalination system using the reverse osmosis system analysis model. <b>2020</b> , 395, 125082		18
172	Nuclear desalination: A state-of-the-art review. <i>Desalination</i> , <b>2019</b> , 457, 39-61	10.3	69
171	Environmental impact of emerging desalination technologies: A preliminary evaluation. <b>2020</b> , 8, 104099		61
170	Plutonium and cesium baseline concentrations in seawater from northern Arabian Gulf. <b>2017</b> , 120, 396-400		7



169	Desalination and sustainability: a triple bottom line study of Australia. <b>2020</b> , 15, 114044	3
168	Impacts of brine disposal from water desalination plants on the physical environment in the Persian/Arabian Gulf. <b>2020</b> , 2, 125003	5
167	Megacity precipitation sheds reveal tele-connected water security challenges. <b>2018</b> , 13, e0194311	20
166	Nemrut Bay Seawater Quality Assessment at the Planning Stage of Marine Outfall. <b>2017</b> , 20, 21-21	1
165	Experimental Investigation and Model Development of Geometric Characteristics of Negatively Buoyant Jets Inclined at 15° and 52° using GMDH Method. <b>2020</b> , 36, 636	3
164	Development of minimum-salinity feedwater for reduction of unit production cost of reverse-osmosis desalination plants. <b>2016</b> , 49, 431-438	1
163	Spanish Flu, SARS, MERS-CoV by CO <sub>2</sub> Emission and Maximal Sunspot Number. <b>2019</b> , 12, 53-75	3
162	Coastal Reservoirs Strategy for Water Resource Development: A Review of Future Trend. <b>2013</b> , 05, 336-342	16
161	Environmental Assessment of Natural & Anthropogenic Hazards and Impact on Seawater Desalination along Red Sea Coast of Saudi Arabia. <b>2013</b> , 05, 414-426	3
160	Characterization of the Outfall Area of a Multi-Stage-Flash Desalination Plant in Bahrain. <b>2018</b> , 10, 287-303	1
159	Comparison among monitoring strategies to assess water flow dynamic and soil hydraulic properties in agricultural soils. <b>2015</b> , 13, e1201	6
158	Use of Desalinated Reject Water as a Source of Magnesium for Phosphorus Recovery. <b>2013</b> , 165-168	1
157	Environmental Impacts of Desalination Activities in the Arabian Gulf. 114-117	16
156	Assessment of heavy metal contamination in water, sediments, and Mangrove plant of Al-Budhai region, Red Sea Coast, Kingdom of Saudi Arabia. <b>2021</b> , 15, 423-441	1
155	On the role of the viscosity ratio on buoyant miscible jet flows. 1	1
154	Effect of numerical schemes on advection terms for large eddy simulation of inclined dense jets. 1	0
153	Flow Visualization Experiments of Inclined Slot Jets with Negative Buoyancy. <b>2021</b> , 8, 1549	2
152	The behavioural response of European seabass ( <i>Dicentrarchus labrax</i> ) to chlorinated seawater effluents. <b>2021</b> , 173, 112995	

- 151 Material performance and cost effectiveness of seawater-mixed rubberized concrete. **2021**, 15, e00735 0
- 150 Constructing an Adaptive Regional Vision of Water Development in the Jordan River Basin. **2009**, 297-316
- 149 Sustainable Water Provision. **2010**, 17-30
- 148 Corrosion Control in Industrial Water Systems. **2010**, 319-342
- 147 Executive summary. **2010**, 255-256
- 146 The Economic Valuation of Urban Ecosystem Services.
- 145 Fission Energy Usage: Status, Trends and Applications. 159-163
- 144 Characteristics of Membrane Concentrate. **2012**, 5-15
- 143 Disposal to Surface Water. **2012**, 21-30
- 142 Merging Effluent Discharge Plumes from Multiport Diffusers on a Sloping Beach. **2012**, 03, 24-29 2
- 141 Characterization of Brackish Groundwater Desalination Concentrate Discharge Impacts on Water Quality in a Texas Coastal Area. **2014**, 139-158
- 140 Overview of Water Energy Nexus of Abu Dhabi Power Sector-Energy Water Analysis of End Use Segment. **2014**, 315-328
- 139 Effluent Discharges from Two Outfalls on a Sloping Beach. **2014**, 05, 3117-3126
- 138 Sustainability of Effective Use of Water Sources in Turkey. **2015**, 205-227 3
- 137 Overview of Coastal Discharges for Brine, Heat and Wastewater. **2015**, 363-367
- 136 Rohstoff Wasser. **2015**, 171-190
- 135 Environmental Friendly Seawater Reverse Osmosis Process. **2015**, 40, 86-90
- 134 Feasibility and Design of Seabed Gallery Intake Systems Along the Arabian Gulf Coast of Saudi Arabia with a Discussion on Gallery Intake Use for the Entire Arabian Gulf Region. **2015**, 251-273

133	Application of Nanotechnology, Nanofiltration and the Future Vision of Environmental Engineering Science-A Critical Overview. <b>2015</b> , 10, 38-48	1
132	Performance Evaluation and Design of RO Desalination Plant: Case Study. <b>2016</b> , 04, 53-63	1
131	NEW TECHNOLOGY IN COMPUTER AIDED DESIGN, COMPUTER AIDED MANUFACTURING, COMPUTER AIDED ENGINEERING ANALYTIC METHODOLOGY, AUTOMATED AND HIGH SPEED MECHANICAL SYSTEM. <b>2017</b> , 5, 6	
130	Modeling Dispersion of Brine Discharges from Multiple Desalination Outfalls. <b>2017</b> , 335-349	
129	Family Portunidae Rafinesque, 1815 (Swimming Crabs). <b>2017</b> , 169-225	
128	Un pasaje autobiográfico en prosa rimada en la obra La forma del mundo de Isaac ibn LaTif. <b>2018</b> , 78, 7	
127	Optimum Condition for Valuable Seaweed Growth to Utilize Treated Sewage as a Nutrient Source. <b>2018</b> , 12, 17-25	
126	Gerañ, tratamento e disposiñ final dos resñuos das estañs de tratamento de ñua do estado de Pernambuco. <b>2019</b> , 24, 761-771	2
125	The Existing Oslo Arrangements. <b>2020</b> , 25-37	
124	Assessment of heavy metals pollution in seawater and sediments in the arabian gulf, near dammam, saudi arabia. <b>2021</b> , 101677	0
123	Passivation Behavior of 2507 Super Duplex Stainless Steel in Hot Concentrated Seawater: Influence of Temperature and Seawater Concentration. 1	1
122	No detrimental effects of desalination waste on temperate fish assemblages. <b>2021</b> , 78, 45-54	1
121	The Palgrave Encyclopedia of Global Security Studies. <b>2021</b> , 1-6	
120	Recent Trends in Membrane Processes for Water Purification of Brackish Water. <b>2021</b> , 39-57	
119	Resource, environmental, and economic aspects of SGHE. <b>2022</b> , 319-353	2
118	A novel membrane-promoted crystallization process integrating water recovery and salt production for brine management. <b>2022</b> , 430, 133022	1
117	Reverse Osmosis Desalination: Performance And Challenges. <b>2020</b> , 49-69	
116	Chemical Additives for Corrosion Control in Desalination Plants. <b>2020</b> , 191-207	0

- 115 How Biopolymers Control the Kinetics of Calcite Precipitation from Aqueous Solutions. **2020**, 223-246
- 114 Challenges Facing Water Resources. **2020**, 501-529
- 113 Computational Fluid Dynamics (CFD) Modeling in Membrane-Based Desalination Technologies. **2020**, 47-143
- 112 La desalinizadora de agua de mar en Playas de Rosarito. Un proyecto estratégico frente a la dependencia del R<sup>2</sup> Colorado y la escasez de agua en Baja California. **2019**, 15,
- 111 Water in Los Angeles: Rethinking the Current Strategy. **2020**, 17,
- 110 Salinity gradient energy capture for power production by reverse electrodialysis experiment in thermal desalination plants. **2022**, 519, 230806 3
- 109 Application of halophilic algae for water desalination. **2022**, 167-179 0
- 108 Life-cycle environmental assessment of solar-driven Multi-Effect Desalination (MED) plant. *Desalination*, **2022**, 524, 115451 10.3 3
- 107 The use of anti-scalants in gypsum scaling mitigation: Comparison with membrane surface modification and efficiency in combined reverse osmosis and membrane distillation. **2022**, 643, 120077 1
- 106 Valuing improved water services and negative environmental externalities from seawater desalination technology: A choice experiment from the Galápagos. **2021**, 304, 114204 1
- 105 Eutrophication dangers the ecological status of coastal wetlands: A quantitative assessment by composite microbial index of biotic integrity. **2021**, 816, 151620 0
- 104 Current Status and Future Trend of Dominant Commercial Reverse Osmosis Membranes. **2021**, 11, 4
- 103 Assessment of Seasonal and Spatial Variations of Coastal Water Quality Using Multivariate Statistical Techniques. **2021**, 9, 1292 0
- 102 Humidification-dehumidification desalination process using green hydrogen and heat recovery.
- 101 Lime/Sodium Carbonate Treated Seawater to Improve Flocculation and Sedimentation of Clay-Based Tailings. **2021**, 13, 0
- 100 Diatom-Inspired TiO<sub>2</sub>-PANi-Decorated Bilayer Photothermal Foam for Solar-Driven Clean Water Generation. **2021**, 13, 58124-58133 2
- 99 Desalination Discharge Influences the Composition of Reef Invertebrate and Fish Assemblages.
- 98 Cumulative effects of large-scale desalination on the salinity of semi-enclosed seas. *Desalination*, **2022**, 526, 115522 10.3 1

97	Mapping the desalination journal: A systematic bibliometric study over 54 years. <i>Desalination</i> , <b>2022</b> , 526, 115535	10.3	3
96	Bibliographie. <b>2016</b> , 221-223		
95	Liter-Scale Atmospheric Water Harvesting for Dry Climates Driven by Low Temperature Solar Heat.		
94	The Effect of a Step Increase in Depth and Decay upon Dispersion of Coastal Effluent Discharges. <b>2022</b> , 13, 37-55		
93	Water Pollution and Advanced Water Treatment Technologies. <b>2022</b> , 1-17		
92	Pilot-Scale Test Results of Electrodialysis Bipolar Membrane for Reverse-Osmosis Concentrate Recovery.. <b>2022</b> , 12,		2
91	Solar-driven water treatment: generation II technologies. <b>2022</b> , 119-200		0
90	Spatial extent of desalination discharge impacts to habitat-forming species on temperate reefs.. <b>2022</b> , 175, 113368		
89	Review of osmotic heat engines for low-grade heat harvesting. <i>Desalination</i> , <b>2022</b> , 527, 115571	10.3	0
88	Pervaporation-Assisted Desalination of Seawater Reverse Osmosis Brine.		
87	Microplastic Pollution and Reduction Strategies. <b>2022</b> , 1097-1128		
86	On the Computational Modeling of Inclined Brine Discharges. <b>2022</b> , 7, 86		0
85	Thermal Desalination Systems: From Traditionality to Modernity and Development.		0
84	Treatment of West Assiut power plant reverse osmosis-rejected water and its environmental impact reduction. 1		
83	Environmental and economic analysis for desalinating seawater of high salinity using reverse osmosis: a life cycle assessment approach. 1		1
82	The application of water-energy nexus in the Middle East and North Africa (MENA) region: a structured review. <b>2022</b> , 12, 1		2
81	Benthic biodiversity near brine discharge sites in the Port of Rotterdam. <b>2022</b> , 100173		0
80	Can Large-Scale Offshore Membrane Desalination Cost-Effectively and Ecologically Address Water Scarcity in the Middle East?. <b>2022</b> , 12,		1

79	Is Desalination a Solution to Freshwater Scarcity in Developing Countries?. <b>2022</b> , 12,	0
78	Simulated Effects of Seawater Desalination on Persian/Arabian Gulf Exchange Flow. <b>2022</b> , 148,	0
77	Laboratory study to quantify lower boundary influences on desalination discharges. <i>Desalination</i> , <b>2022</b> , 529, 115641	10.3 0
76	Power production from seawater and discharge brine of thermal desalination units by reverse electrodialysis. <b>2022</b> , 314, 118977	2
75	Pervaporation-assisted desalination of seawater reverse osmosis brine. <b>2022</b> , 290, 120820	0
74	Seawater battery desalination with sodium-intercalation cathode for hypersaline water treatment. <i>Desalination</i> , <b>2022</b> , 531, 115713	10.3 0
73	Research on the economic and environmental impacts of China's seawater desalination industry with different technologies in the macroeconomic system. <i>Desalination</i> , <b>2022</b> , 533, 115734	10.3
72	Data_Sheet_1.pdf. <b>2020</b> ,	
71	Presentation_1.pdf. <b>2019</b> ,	
70	Life Cycle Assessment of Emerging Technologies in Industrial Wastewater Treatment and Desalination. <b>2022</b> , 369-398	2
69	Geochemical modeling of CO2 injection and gypsum precipitation at the Ketzin CO2 storage site. <b>2022</b> , 81, 1	0
68	Availability and Reliability Analysis of a k-Out-of-n Warm Standby System with Common-Cause Failure and Fuzzy Failure and Repair Rates. <b>2022</b> , 2022, 1-11	
67	Dynamic hydrographic and water-quality variations in the northwestern Arabian Gulf, a sinking zone of reverse estuarine circulation.. <b>2022</b> , 179, 113714	
66	Comparing Tertiary Wastewater Treatment to Seawater Desalination Using Life Cycle Assessment. <b>2022</b> ,	
65	Numerical Simulation of Turbulent Offset Dense Jet Flow. <b>2022</b> , 413-422	
64	Heat transfer innovations and their application in thermal desalination processes. <b>2022</b> ,	1
63	Liter-scale atmospheric water harvesting for dry climates driven by low temperature solar heat. <b>2022</b> , 254, 124295	1
62	Influence of <i>Brevibacillus borestelensis</i> strains on phytoremediation potential and biomolecules contents of <i>Jatropha curcas</i> on diluted chromium sludge soil. <b>2022</b> , 135345	

61	Double diffusive effect on geometrical characteristics of inclined thermal-saline negatively buoyant jets. <b>2022</b> , 245, 104785		1
60	Ions transport in electromembrane desalination: A numerical modeling for the return flow ion-concentration-polarization desalination system. <b>2022</b> , 184, 366-377		
59	Synergy of copper Selenide/MXenes composite with enhanced solar-driven water evaporation and seawater desalination. <b>2022</b> , 625, 289-296		2
58	A comparison between the geochemical properties of coastal, near-shore and offshore groundwater in an arid region: A case study from Kuwait. <b>2022</b> , 19-33		
57	Pretreatments and posttreatments in desalination processes. <b>2022</b> , 595-631		
56	Bacterial adhesion inhibition on water treatment membrane by a modified HHC-36 antimicrobial peptide.		
55	Technical and Environmental Opportunities for Freeze Desalination. 1-10		
54	Surface dense discharge from rectangular and trapezoidal channels. <b>2022</b> , 102213		
53	Development of dual functional methodology for seawater desalination and salt manufacture by carbon dioxide hydrate formation. <i>Desalination</i> , <b>2022</b> , 539, 115937	10.3	1
52	Capturing CO <sub>2</sub> with NaOH solution from reject brine via an integrated technology based on bipolar membrane electro dialysis and hollow fiber membrane contactor. <b>2022</b> , 450, 138095		2
51	Open Innovation Web-Based Platform for Evaluation of Water Quality Based on Big Data Analysis. <b>2022</b> , 14, 8811		
50	Desalination Discharge Influences the Composition of Reef Invertebrate and Fish Assemblages.		
49	Innovative Konzepte zur großskaligen Meerwasserentsalzung im Nahen Osten. <b>2022</b> , 112, 18-24		
48	Sustainable seawater desalination: Current status, environmental implications and future expectations. <b>2022</b> , 540, 116022		5
47	Numerical Investigation of Inclined Dense Jet Behavior in Shallow Waters: Effect of Depth Variation and Free Surface Displacement. <b>2022</b> , 148,		0
46	Quantification and analysis of CO <sub>2</sub> footprint from industrial facilities in Saudi Arabia. <b>2022</b> , 16, 100299		0
45	Fo Process for Simultaneous Wastewater Pre-Concentration and Seawater Concentrate Disposal: Impacts of Seawater Concentrate on Membrane Fouling in Long-Term Operation.		0
44	Artificial neural network and desalination systems. <b>2022</b> , 159-187		0

- 43 Using Waste Brine from Desalination Plant as a Source of Industrial Water in Copper Mining Industry. **2022**, 12, 1162 ○
- 42 Janus Carbon Nanotube@poly(butylene adipate-co-terephthalate) Fabric for Stable and Efficient Solar-Driven Interfacial Evaporation. ○
- 41 Influence of Operational Strategies for the Recovery of Magnesium Hydroxide from Brines at a Pilot Scale. 1
- 40 A comprehensive overview of environmental footprints of water desalination and alleviation strategies. ○
- 39 Potential aquifer mapping for cost-effective groundwater reverse osmosis desalination in arid regions using integration of hydrochemistry, environmental isotopes and GIS techniques. **2022**, 19, 100853 ○
- 38 FO process for simultaneous wastewater pre-concentration and seawater concentrate disposal: Impacts of seawater concentrate on membrane fouling in long-term operation. **2022**, 544, 116143 ○
- 37 Water desalination in Egypt; literature review and assessment. **2022**, 101998 ○
- 36 Desalination in rural communities of the Brazilian semi-arid region: potential use of brackish concentrate in local productive activities. **2022**, 1 ○
- 35 A proposal of an Irrigation Sustainability Index for agricultural basins: application in a semi-arid river basin. ○
- 34 Numerical simulation of Dissolved Oxygen as a water quality indicator in artificial lagoons: a case study El Gouna, Egypt. **2022**, 56, 102697 ○
- 33 A Critical Review on Chemical Speciation of Chlorine-Produced Oxidants (CPOs) in Seawater. Part 1: Chlorine Chemistry in Seawater and Its Consequences in Terms of Biocidal Effectiveness and Environmental Impact. 1-14 ○
- 32 Effects of distiller's grains and seawater on properties of sintered brick made from construction spoil. **2022**, 62, 105391 ○
- 31 Adobe bricks as zero-material-cost solar evaporators for water-scarce regions. **2023**, 546, 116199 1
- 30 Reduced graphene oxide/carbon nitride composite sponge for interfacial solar water evaporation and wastewater treatment. **2023**, 311, 137163 ○
- 29 Reject brine management: Denitrification and zero liquid discharge (ZLD) current status, challenges and future prospects. **2022**, 135124 1
- 28 Advances in understanding multilevel responses of seagrasses to hypersalinity. **2022**, 105809 ○
- 27 Techno-Economic Assessment of Water Desalination: Future Outlooks and Challenges. **2022**, ○
- 26 Life cycle assessment of brucite and synthetic MgO produced from reject brine using different alkalis. **2022**, 380, 135071 ○



- 25 Passive freezing desalination driven by radiative cooling. **2022**, ○
- 24 Life cycle assessment of reverse osmosis for high-salinity seawater desalination process: Potable and industrial water production. **2023**, 382, 135299 ○
- 23 Solvent-free fabrication of photothermal polypyrrole-coated sulfur particles for solar steam generation. **2023**, 612, 155815 ○
- 22 Impacts of desalination discharges on phytoplankton and zooplankton: Perspectives on current knowledge. **2023**, 863, 160671 ○
- 21 Rohstoff Wasser. **2022**, 215-239 ○
- 20 Framing a novel holistic energy subsystem structure for water-energy-food nexus: A review of existing literature. ○
- 19 Small-Scale Solar-Powered Desalination Plants: A Sustainable Alternative Water-Energy Nexus to Obtain Water for Chile's Coastal Areas. **2022**, 15, 9245 ○
- 18 Spatial Pattern and Genetic Diversity of Marine Bacterial Communities of Coastal Seawater and Sediments from Qatar. ○
- 17 Water Pollution and Advanced Water Treatment Technologies. **2022**, 2184-2200 ○
- 16 An Integrated Methodological Framework to Assess Urban Resilience. **2022**, 137-161 ○
- 15 Radiation shielding performance of seawater-mixed concrete incorporating recycled coarse aggregate and steel slag. **2023**, 16, 100528 ○
- 14 Performance evaluation of solar still integrated with thermoelectric heat pump system. **2023**, 11, 47-63 ○
- 13 The use of machine learning in the analysis of thermal entropy, friction and total entropy in solar desalinated water with the presence of alumina nanoparticles by numerical method. **2023**, 151, 216-226 ○
- 12 THE IMPACT OF ATMOSPHERIC WATER GENERATION ON REGIONAL CLIMATE. **2022**, 78, I\_703-I\_708 ○
- 11 Desalination effects on macroalgae (part b): Transplantation experiments at brine-impacted sites with Dictyota spp. from the Pacific Ocean and Mediterranean Sea. 10, ○
- 10 Desalination effects on macroalgae (part A): Laboratory-controlled experiments with Dictyota spp. from the Pacific Ocean and Mediterranean Sea. 10, ○
- 9 Techno-economic and environmental analysis of sustainable drinking water supply methods in deprived areas (case study of Sistan and Baluchestan). **2023**, 20, 405-421 ○
- 8 Desalination. **2023**, 287-292 ○

- 7 Graphene Oxide-Based Membranes as Water Separation: Materials, Preparation, Characteristics, and Applications. ○
- 6 The assessment of environmental parameter along the desalination plants in the Kingdom of Saudi Arabia. **2023**, 21, ○
- 5 The double negative approach to sustainability. ○
- 4 Genotoxicity Signatures near Brine Outflows from Desalination Plants in the Levant. **2023**, 15, 1079 ○
- 3 Framing a novel holistic energy subsystem structure for water-energy-food nexus based on existing literature (basic concepts). **2023**, 13, ○
- 2 Impact of membrane engineering on the process engineering progresses: towards a sustainable development. **2023**, 109385 ○
- 1 Renewable energy systems for water desalination applications: A comprehensive review. **2023**, 286, 117035 ○