

CITATION REPORT

List of articles citing

Review of cost versus scale: water and wastewater treatment and reuse processes

DOI: 10.2166/wst.2013.734

Water Science and Technology, 2014, 69, 223-34.

Source: <https://exaly.com/paper-pdf/59481660/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
97	Wastewater Reuse for Agriculture: Development of a Regional Water Reuse Decision-Support Model (RWRM) for Cost-Effective Irrigation Sources.		
96	Removal of waterborne microorganisms by filtration using clay-polymer complexes. <i>Journal of Hazardous Materials</i> , 2014 , 279, 190-6	12.8	31
95	Peroxone mineralization of chemical oxygen demand for direct potable water reuse: Kinetics and process control. <i>Water Research</i> , 2015 , 73, 362-72	12.5	27
94	Principles for scaling of distributed direct potable water reuse systems: a modeling study. <i>Water Research</i> , 2015 , 75, 146-63	12.5	37
93	Life-Cycle Energy Use and Greenhouse Gas Emissions of a Building-Scale Wastewater Treatment and Nonpotable Reuse System. <i>Environmental Science & Technology</i> , 2015 , 49, 10303-11	10.3	41
92	Modeling the Economic Feasibility of Large-Scale Net-Zero Water Management: A Case Study. <i>Water Environment Research</i> , 2016 , 88, 811-823	2.8	6
91	The Environmental Biorefinery: Using Microalgae to Remediate Wastewater, a Win-Win Paradigm. <i>Energies</i> , 2016 , 9, 132	3.1	107
90	Efficiently Combining Water Reuse and Desalination through Forward Osmosis-Reverse Osmosis (FO-RO) Hybrids: A Critical Review. <i>Membranes</i> , 2016 , 6,	3.8	76
89	A case study of urban wastewater reclamation in Spain: comparison of water quality produced by using alternative processes and related costs. <i>Journal of Water Reuse and Desalination</i> , 2016 , 6, 72-81	2.6	22
88	Net-zero water management: achieving energy-positive municipal water supply. <i>Environmental Science: Water Research and Technology</i> , 2016 , 2, 250-260	4.2	17
87	Mineralizing urban net-zero water treatment: Field experience for energy-positive water management. <i>Water Research</i> , 2016 , 106, 352-363	12.5	17
86	Assessing Location and Scale of Urban Nonpotable Water Reuse Systems for Life-Cycle Energy Consumption and Greenhouse Gas Emissions. <i>Environmental Science & Technology</i> , 2016 , 50, 13184-13194	10.3	48
85	How Does Scale of Implementation Impact the Environmental Sustainability of Wastewater Treatment Integrated with Resource Recovery?. <i>Environmental Science & Technology</i> , 2016 , 50, 6680-9	10.3	70
84	Life cycle cost of a hybrid forward osmosis - low pressure reverse osmosis system for seawater desalination and wastewater recovery. <i>Water Research</i> , 2016 , 88, 225-234	12.5	166
83	Augmenting water supply by combined desalination/water recycling methods: an economic assessment. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 257-265	2.6	10
82	Wastewater recycling technology for fermentation in polyunsaturated fatty acid production. <i>Bioresource Technology</i> , 2017 , 235, 79-86	11	15
81	An evaluation of the sustainability of onsite wastewater treatment systems for nutrient management. <i>Water Research</i> , 2017 , 121, 186-196	12.5	17

80	Electrochemical Oxidation as Treatment for Contaminated Wastewaters by Carbamazepine: Process Optimization Through Response Surface Methodology. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	4
79	Flocculation of coal washing wastewater using polysaccharide produced by <i>Paenibacillus mucilaginosus</i> WL412. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 28132-28141	5.1	8
78	Modeling and Optimization of Recycled Water Systems to Augment Urban Groundwater Recharge through Underutilized Stormwater Spreading Basins. <i>Environmental Science & Technology</i> , 2017 , 51, 11809-11819	10.3	20
77	Shadow prices of emerging pollutants in wastewater treatment plants: Quantification of environmental externalities. <i>Journal of Environmental Management</i> , 2017 , 203, 439-447	7.9	20
76	Fit-for-purpose wastewater treatment: Testing to implementation of decision support tool (II). <i>Science of the Total Environment</i> , 2017 , 607-608, 403-412	10.2	16
75	Fit-for-purpose wastewater treatment: Conceptualization to development of decision support tool (I). <i>Science of the Total Environment</i> , 2017 , 607-608, 600-612	10.2	26
74	Assessing the efficiency of wastewater treatment plants: A double-bootstrap approach. <i>Journal of Cleaner Production</i> , 2017 , 164, 315-324	10.3	36
73	Optimal sizing and dispatch for a community-scale potable water recycling facility. <i>Sustainable Cities and Society</i> , 2018 , 39, 225-240	10.1	10
72	Applicability of energy-positive net-zero water management in Alaska: technology status and case study. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 33025-33037	5.1	2
71	Modelling the energy costs of the wastewater treatment process: The influence of the aging factor. <i>Science of the Total Environment</i> , 2018 , 625, 363-372	10.2	20
70	LCA of greywater management within a water circular economy restorative thinking framework. <i>Science of the Total Environment</i> , 2018 , 621, 1047-1056	10.2	40
69	Centralized and Decentralized Strategies for Dual Water Supply: Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 05017017	2.8	11
68	The removal of short-chain and long-chain perfluoroalkyl acids and sulfonates via granular activated carbons: A comparative column study. 2018 , 29, 19-26		9
67	Spatial optimization for decentralized non-potable water reuse. <i>Environmental Research Letters</i> , 2018 , 13, 064001	6.2	21
66	Efficiency of wastewater treatment facilities: The influence of scale economies. <i>Journal of Environmental Management</i> , 2018 , 228, 77-84	7.9	40
65	Treatment of textile effluent using bacteria-immobilized graphene oxide nanocomposites: evaluation of effluent detoxification using <i>Bellamyia bengalensis</i> . <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 2287-2298	4.3	6
64	Machine learning for energy cost modelling in wastewater treatment plants. <i>Journal of Environmental Management</i> , 2018 , 223, 1061-1067	7.9	27
63	A2O-MBR as an efficient and profitable unconventional water treatment and reuse technology: A practical study in a green building residential community. <i>Resources, Conservation and Recycling</i> , 2019 , 150, 104418	11.9	19

62	Demonstration and evaluation of potential configuration options for shale-wastewater treatment plant by combining several unit processes. <i>Journal of Cleaner Production</i> , 2019 , 232, 867-876	10.3	5
61	A two-step approach to the hydrothermal gasification of carbohydrate-rich wastes: Process design and economic evaluation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 25524-25541	6.7	5
60	Application of hybrid coagulation-ultrafiltration for decentralized drinking water treatment: impact on flux, water quality and costs. <i>Water Science and Technology: Water Supply</i> , 2019 , 19, 2163-2174	11.4	3
59	Potential Biotechnological Applications of Microalgae Grown in Wastewater: A Holistic Approach. 2019 , 233-247		0
58	Efficiency assessment of pollutants discharged in urban wastewater treatment: Evidence from 68 key cities in China. <i>Journal of Cleaner Production</i> , 2019 , 233, 1437-1450	10.3	18
57	Urban wastewater reuse using a coupling between nanofiltration and ozonation: Techno-economic assessment. <i>Chemical Engineering Research and Design</i> , 2019 , 145, 19-28	5.5	24
56	Wastewater-based resource recovery technologies across scale: A review. <i>Resources, Conservation and Recycling</i> , 2019 , 145, 94-112	11.9	82
55	Evaluation of the Coupling of a Hybrid Power Plant with a Water Generation System. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4989	2.6	2
54	Finding new sources of water for semi-arid cities in unlikely places. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 6112-6125	5.1	
53	Hybrid life cycle assessment of agro-industrial wastewater valorisation. <i>Water Research</i> , 2020 , 170, 115275	15.5	16
52	Reuse treatment with ozonation, biofiltration, and activated carbon adsorption for total organic carbon control and disinfection byproduct regulation compliance. <i>AWWA Water Science</i> , 2020 , 2, e1190	1.6	4
51	Zeolite Cotton in Tube: A Simple Robust Household Water Treatment Filter for Heavy Metal Removal. <i>Scientific Reports</i> , 2020 , 10, 4719	4.9	11
50	The importance of system configuration for distributed direct potable water reuse. <i>Nature Sustainability</i> , 2020 , 3, 548-555	22.1	17
49	Development and cost-benefit analysis of a novel process for biofuel production from microalgae using pre-treated high-strength fresh cheese whey wastewater. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 23963-23980	5.1	18
48	Trends in the environmental and economic sustainability of wastewater-based resource recovery: A review. <i>Journal of Cleaner Production</i> , 2020 , 265, 121598	10.3	24
47	Reliability analysis of pumping station for sewage network using hybrid neural networks - genetic algorithm and method of moment. <i>Chemical Engineering Research and Design</i> , 2021 , 145, 39-51	5.5	8
46	Fluoride-containing water: A global perspective and a pursuit to sustainable water defluoridation management -An overview. <i>Journal of Cleaner Production</i> , 2021 , 280, 124236	10.3	25
45	A multi-objective optimization model to plan city-scale water systems with economic and environmental objectives: A case study in Santiago, Chile. <i>Journal of Cleaner Production</i> , 2021 , 279, 123737	10.3	4

44	Assessment of energy use and environmental impacts of wastewater treatment plants in the entire life cycle: A system meta-analysis. <i>Environmental Research</i> , 2021 , 198, 110458	7.9	4
43	Co-optimization and community: Maximizing the benefits of distributed electricity and water technologies. <i>Sustainable Cities and Society</i> , 2021 , 64, 102515	10.1	5
42	Removal of Pathogens and Chemicals of Emerging Concern by Pilot-Scale FO-RO Hybrid Units Treating RO Concentrate, Graywater, and Sewage for Centralized and Decentralized Potable Reuse. <i>ACS ES&T Water</i> , 2021 , 1, 89-100		7
41	Cost and energy intensity of U.S. potable water reuse systems. <i>Environmental Science: Water Research and Technology</i> , 2021 , 7, 748-761	4.2	6
40	Economic evaluation of the reuse of brewery wastewater. <i>Journal of Environmental Management</i> , 2021 , 281, 111804	7.9	11
39	The influence of oversizing on maintenance cost in wastewater treatment plants. <i>Chemical Engineering Research and Design</i> , 2021 , 147, 734-741	5.5	6
38	Low-pressure membrane technology for potable water filtration: true costs. <i>Water Research</i> , 2021 , 191, 116826	12.5	4
37	Municipal Wastewater Reuse: Is it a Competitive Alternative to Seawater Desalination?. <i>Sustainability</i> , 2021 , 13, 6815	3.6	3
36	Membrane technology for a sustainable copper mining industry: The Chilean paradigm. <i>Cleaner Engineering and Technology</i> , 2021 , 2, 100091	2.7	7
35	Guiding urban water management towards 1.5 °C. <i>Npj Clean Water</i> , 2021 , 4,	11.2	1
34	Techno-Economic Assessment of Polysaccharide Extraction from Baobab: A Scale Up Analysis. <i>Sustainability</i> , 2021 , 13, 9915	3.6	1
33	Direct Potable Reuse: Are We Ready? A Review of Technological, Economic, and Environmental Considerations. <i>ACS ES&T Engineering</i> ,		0
32	A critical review on challenges and trend of ultrapure water production process. <i>Science of the Total Environment</i> , 2021 , 785, 147254	10.2	7
31	Learning from pandemics: Applying resilience thinking to identify priorities for planning urban settlements. <i>Journal of Urban Management</i> , 2021 , 10, 205-217	4.3	4
30	Investigating the spatiotemporal dynamic evolution and driving factors of wastewater treatment efficiency in the context of China's River Chief system. <i>Ecological Indicators</i> , 2021 , 129, 107991	5.8	5
29	A Robust Flow-Through Platform for Organic Contaminant Removal. <i>Cell Reports Physical Science</i> , 2021 , 2, 100296-100296	6.1	4
28	Techno-economic analysis of aniline production via amination of phenol. <i>Heliyon</i> , 2020 , 6, e05778	3.6	5
27	A new spent coffee grounds based biochar - Persulfate catalytic system for enhancement of urea removal in reclaimed water for ultrapure water production. <i>Chemosphere</i> , 2022 , 288, 132459	8.4	4

26	Quantification of energy and cost reduction from decreasing dissolved oxygen levels in full-scale water resource recovery facilities. <i>Water Environment Research</i> , 2021 ,	2.8	0
25	Sustainable Phycoremediation of Xenobiotics Polluted Water. 2021 , 283-310		
24	Modeling the energy consumption of potable water reuse schemes.. <i>Water Research X</i> , 2021 , 13, 1001268.1	1	
23	Techno-economic assessment of decentralized polishing schemes for municipal water reclamation and reuse in the industrial sector in costal semiarid regions: The case of Barcelona (Spain).. <i>Science of the Total Environment</i> , 2022 , 152842	10.2	0
22	A method for the prioritization of water reuse projects in agriculture irrigation. <i>Agricultural Water Management</i> , 2022 , 263, 107435	5.9	0
21	Towards the Global Rise of Zero Liquid Discharge for Wastewater Management: The Mining Industry Case in Chile. <i>Handbook of Environmental Chemistry</i> , 2021 , 1	0.8	
20	Multicriteria Comparison of Ozonation, Membrane Filtration, and Activated Carbon for the Treatment of Recalcitrant Organics in Industrial Effluent: A Conceptual Study. <i>Environmental Processes</i> , 2022 , 9, 1	2.8	2
19	A review of the cost and effectiveness of solutions to address plastic pollution.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	5
18	Integrating photocatalysis and microfiltration for methylene blue degradation: kinetic and cost estimation. <i>Chemical Engineering and Technology</i> ,	2	0
17	Cost and Energy Metrics for Municipal Water Reuse. <i>ACS ES&T Engineering</i> , 2022 , 2, 489-507		1
16	Emulsion Transport Through Graphene Oxide Modified Polyvinylidene Fluoride (PVDF) Membranes. <i>Advances in Science, Technology and Innovation</i> , 2022 , 173-181	0.3	
15	Changes in the Amount of Rainwater in the Roztocze National Park (Poland) in 2001-2020 and the Possibility of Using Rainwater in the Context of Ongoing Climate Variability. <i>Water (Switzerland)</i> , 2022 , 14, 1334	3	
14	Assessing the Potential of Water Reuse Uptake Through a PrivatePublic Partnership: a Practitioner's Perspective. <i>Circular Economy and Sustainability</i> , 1		
13	Electro-Coagulation Processes: Criteria, Considerations, and Examples for Full-Scale Applications. 2022 , 341-358		
12	Sustainable Alternatives for Tertiary Treatment of Pulp and Paper Wastewater. <i>Sustainability</i> , 2022 , 14, 6047	3.6	
11	Critical analysis of the performance of pilot and industrial scale technologies for sewage reuse. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 108198	6.8	0
10	Water reuse from wastewater treatment: The transition towards circular economy in the water sector. 2022 , 363, 127951		2
9	Emergent Organic Contaminants. 2023 , 307-322		0

8	Impact of water reuse on agricultural practices and human health. 2023 , 216, 114762	1
7	Soluble and reusable polymer-based catalysts with Brønsted and Lewis acidity for the one-pot synthesis of hydroxymethylfurfural from glucose.	1
6	Life cycle sustainability assessment of advanced treatment techniques for urban wastewater reuse and sewage sludge resource recovery. 2023 , 869, 161771	0
5	Continuous adsorption of ammonium from primary and digester effluents using biosolids-derived biochar and cation exchange resin. 2023 , 53, 103692	0
4	The Advancement in Membrane Bioreactor (MBR) Technology toward Sustainable Industrial Wastewater Management. 2023 , 13, 181	1
3	A Decision Framework for Designing Sustainable Wastewater-Based Resource Recovery Schemes. 2023 , 15, 3839	0
2	North Western Sahara aquifer system hydrothermal and petroleum reservoirs dynamics: a comprehensive overview. 2023 , 16,	0
1	Greywater reuse as a key enabler for improving urban wastewater management. 2023 , 100277	0