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List of Publications by Year in Descending Order

199 papers	11,928 citations	56 h-index	104 g-index
209 ext. papers	13,391 ext. citations	7.3 avg, IF	6.8 L-index

#	Paper	IF	Citations
199	Microplastic sampling from wastewater treatment plant effluents: Best-practices and synergies between thermoanalytical and spectroscopic analysis.. *Water Research*, **2022**, 219, 118549	12.5	1
198	Removal of Trace Organic Chemicals during Long-Term Biofilter Operation. *ACS ES&T Water*, **2021**, 1, 300-308		2
197	Fate and Transport of Viruses within a High-Rate Plug-Flow Biofilter Designed for Non-Membrane-Based Indirect Potable Reuse Applications. *ACS ES&T Water*, **2021**, 1, 1229-1239		
196	Inline dosing of powdered activated carbon and coagulant prior to ultrafiltration at pilot-scale □ Effects on trace organic chemical removal and operational stability. *Chemical Engineering Journal*, **2021**, 414, 128801	14.7	6
195	Methodological Advances to Study Contaminant Biotransformation: New Prospects for Understanding and Reducing Environmental Persistence?. *ACS ES&T Water*, **2021**, 1, 1541-1554		9
194	Full-Scale Assessment of Ultrasonic Sewage Sludge Pretreatment Using a Novel Double-Tube Reactor. *ACS ES&T Engineering*, **2021**, 1, 298-309		6
193	Infrastructure Shaming and Consequences for Management of Urban WEF Security Nexus in China and India. *Water (Switzerland)*, **2021**, 13, 267	3	2
192	Assessment of Full-Scale Indirect Potable Water Reuse in El Port de la Selva, Spain. *Water (Switzerland)*, **2021**, 13, 325	3	2
191	Organic Contaminants and Interactions with Micro- and Nano-Plastics in the Aqueous Environment: Review of Analytical Methods. *Molecules*, **2021**, 26,	4.8	6
190	Analyzing (Initial) Biotransformation Reactions as an Organizing Principle for Unraveling the Extent of Trace Organic Chemical Biotransformation in Biofiltration Systems. *ACS ES&T Water*, **2021**, 1, 1921-1931		0
189	Application of the Water□Energy□Food Nexus Approach to the Climate-Resilient Water Safety Plan of Leh Town, India. *Sustainability*, **2021**, 13, 10550	3.6	4
188	Systematic Development of a Simultaneous Determination of Plastic Particle Identity and Adsorbed Organic Compounds by Thermodesorption-Pyrolysis GC/MS (TD-Pyr-GC/MS). *Molecules*, **2020**, 25,	4.8	10
187	Differentiating between adsorption and biodegradation mechanisms while removing trace organic chemicals (TOrCs) in biological activated carbon (BAC) filters. *Science of the Total Environment*, **2020**, 743, 140567	10.2	8
186	Microbial genetic potential for xenobiotic metabolism increases with depth during biofiltration. *Environmental Sciences: Processes and Impacts*, **2020**, 22, 2058-2069	4.3	2
185	Validation of Sample Preparation Methods for Microplastic Analysis in Wastewater Matrices□Reproducibility and Standardization. *Water (Switzerland)*, **2020**, 12, 2445	3	27
184	Reducing the Impacts of Biofouling in RO Membrane Systems through In Situ Low Fluence Irradiation Employing UVC-LEDs. *Membranes*, **2020**, 10,	3.8	5
183	A hydraulically optimized fluidized bed UF membrane reactor (FB-UF-MR) for direct treatment of raw municipal wastewater to enable water reclamation with integrated energy recovery. *Separation and Purification Technology*, **2020**, 235, 116165	8.3	9

182	Role of reduced empty bed contact times and pre-treatment by coagulation with Fe(III) salts on the removal of trace organic compounds during sequential biofiltration. *Science of the Total Environment*, **2019**, 685, 220-228	10.2	3
181	Antibiotic microbial resistance (AMR) removal efficiencies by conventional and advanced wastewater treatment processes: A review. *Science of the Total Environment*, **2019**, 685, 596-608	10.2	101
180	Dynamics of Wastewater Effluent Contributions in Streams and Impacts on Drinking Water Supply via Riverbank Filtration in Germany-A National Reconnaissance. *Environmental Science & Technology*, **2019**, 53, 6154-6161	10.3	32
179	Analysis of Greenhouse Gas Emissions in Centralized and Decentralized Water Reclamation with Resource Recovery Strategies in Leh Town, Ladakh, India, and Potential for Their Reduction in Context of the Water□Energy□Food Nexus. *Water (Switzerland)*, **2019**, 11, 906	3	10
178	BioTOOL□ Readily and Flexible Biogas Rate Prediction Tool for End-users. *Environmental Modeling and Assessment*, **2019**, 24, 87-94	2	2
177	Elucidation of removal processes in sequential biofiltration (SBF) and soil aquifer treatment (SAT) by analysis of a broad range of trace organic chemicals (TOrCs) and their transformation products (TPs). *Water Research*, **2019**, 163, 114857	12.5	16
176	Investigating synergies in sequential biofiltration-based hybrid systems for the enhanced removal of trace organic chemicals from wastewater treatment plant effluents. *Environmental Science: Water Research and Technology*, **2019**, 5, 1423-1435	4.2	5
175	Capturing the oxic transformation of iopromide - A useful tool for an improved characterization of predominant redox conditions and the removal of trace organic compounds in biofiltration systems?. *Water Research*, **2019**, 152, 274-284	12.5	13
174	Biotransformation of trace organic chemicals in the presence of highly refractory dissolved organic carbon. *Chemosphere*, **2019**, 215, 33-39	8.4	20
173	UV/HO process stability and pilot-scale validation for trace organic chemical removal from wastewater treatment plant effluents. *Water Research*, **2018**, 136, 169-179	12.5	71
172	Nitrogen removal and intentional nitrous oxide production from reject water in a coupled nitritation/nitrous denitritation system under real feed-stream conditions. *Bioresource Technology*, **2018**, 255, 58-66	11	25
171	Cavitation field analysis for an increased efficiency of ultrasonic sludge pre-treatment using a novel hydrophone system. *Ultrasonics Sonochemistry*, **2018**, 42, 672-678	8.9	12
170	Insight into the effects of biochar as adsorbent and microwave receptor from one-step microwave pyrolysis of sewage sludge. *Environmental Science and Pollution Research*, **2018**, 25, 18424-18433	5.1	23
169	Evaluation of advanced oxidation processes for water and wastewater treatment - A critical review. *Water Research*, **2018**, 139, 118-131	12.5	1135
168	Application of the oxidation reduction potential (ORP) for process control and monitoring nitrite in a Coupled Aerobic-anoxic Nitrous Decomposition Operation (CANDO). *Chemical Engineering Journal* , **2018**, 343, 484-491	14.7	21
167	Correlation between hydrolysis rate constant and chemical composition of energy crops. *Renewable Energy*, **2018**, 118, 34-42	8.1	17
166	Establishing sequential managed aquifer recharge technology (SMART) for enhanced removal of trace organic chemicals: Experiences from field studies in Berlin, Germany. *Journal of Hydrology*, **2018**, 563, 1161-1168	6	36
165	Improving UV/H2O2 performance following tertiary treatment of municipal wastewater. *Environmental Science: Water Research and Technology*, **2018**, 4, 1321-1330	4.2	10

164	CT scanning of membrane feed spacers: Impact of spacer model accuracy on hydrodynamic and solute transport modeling in membrane feed channels. *Journal of Membrane Science*, **2018**, 564, 133-145	9.6	13
163	Predicting methane yield by linear regression models: A validation study for grassland biomass. *Bioresource Technology*, **2018**, 265, 372-379	11	12
162	Separation of nitrous oxide from aqueous solutions applying a micro porous hollow fiber membrane contactor for energy recovery. *Separation and Purification Technology*, **2018**, 195, 271-280	8.3	14
161	Management strategies for trace organic chemicals in water - A review of international approaches. *Chemosphere*, **2018**, 195, 410-426	8.4	21
160	Validation of Arxula Yeast Estrogen Screen assay for detection of estrogenic activity in water samples: Results of an international interlaboratory study. *Science of the Total Environment*, **2018**, 621, 612-625	10.2	19
159	Energy-positive sewage sludge pre-treatment with a novel ultrasonic flatbed reactor at low energy input. *Bioresource Technology*, **2018**, 264, 298-305	11	30
158	Evaluation of the short-term fate and transport of chemicals of emerging concern during soil-aquifer treatment using select transformation products as intrinsic redox-sensitive tracers. *Science of the Total Environment*, **2017**, 583, 10-18	10.2	14
157	Forward osmosis as a platform for resource recovery from municipal wastewater - A critical assessment of the literature. *Journal of Membrane Science*, **2017**, 529, 195-206	9.6	134
156	Full scale co-digestion of wastewater sludge and food waste: Bottlenecks and possibilities. *Renewable and Sustainable Energy Reviews*, **2017**, 72, 354-362	16.2	179
155	Evaluation of concrete corrosion after short- and long-term exposure to chemically and microbially generated sulfuric acid. *Cement and Concrete Research*, **2017**, 94, 36-48	10.3	34
154	Mass spectrometry based in-vitro assay investigations on the transformation of pharmaceutical compounds by oxidative enzymes. *Chemosphere*, **2017**, 174, 466-477	8.4	13
153	Tube reactors as a novel ultrasonication system for trouble-free treatment of sludges. *Ultrasonics Sonochemistry*, **2017**, 37, 464-470	8.9	15
152	Strategies for enhanced deammonification performance and reduced nitrous oxide emissions. *Bioresource Technology*, **2017**, 236, 174-185	11	14
151	Trace organic chemical attenuation during managed aquifer recharge: Insights from a variably saturated 2D tank experiment. *Journal of Hydrology*, **2017**, 548, 641-651	6	11
150	Photoacoustic Spectroscopy for the Quantification of NO in the Off-Gas of Wastewater Treatment Plants. *Analytical Chemistry*, **2017**, 89, 3795-3801	7.8	12
149	Unexpected Diversity and High Abundance of Putative Nitric Oxide Dismutase (Nod) Genes in Contaminated Aquifers and Wastewater Treatment Systems. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	38
148	Sequential biofiltration - A novel approach for enhanced biological removal of trace organic chemicals from wastewater treatment plant effluent. *Water Research*, **2017**, 127, 127-138	12.5	36
147	The importance of key attenuation factors for microbial and chemical contaminants during managed aquifer recharge: A review. *Critical Reviews in Environmental Science and Technology*, **2017**, 47, 1409-1452	11.1	30

146	Robust evaluation of performance monitoring options for ozone disinfection in water recycling using Bayesian analysis. *Water Research*, **2017**, 124, 605-617	12.5	12
145	High performance biological methanation in a thermophilic anaerobic trickle bed reactor. *Bioresource Technology*, **2017**, 245, 1176-1183	11	70
144	The role of inoculumS s origin on the methane yield of different substrates in biochemical methane potential (BMP) tests. *Bioresource Technology*, **2017**, 243, 457-463	11	69
143	Influence of organic load on the defluoridation efficiency of nano-magnesium oxide in groundwater. *Separation and Purification Technology*, **2017**, 174, 116-125	8.3	10
142	A proposed nomenclature for biological processes that remove nitrogen. *Environmental Science: Water Research and Technology*, **2017**, 3, 10-17	4.2	18
141	Advancing Sequential Managed Aquifer Recharge Technology (SMART) Using Different Intermediate Oxidation Processes. *Water (Switzerland)*, **2017**, 9, 221	3	29
140	Hazardous events in membrane bioreactors Part 1: Impacts on key operational and bulk water quality parameters. *Journal of Membrane Science*, **2016**, 497, 494-503	9.6	8
139	Hazardous events in membrane bioreactors Part 3: Impacts on microorganism log removal efficiencies. *Journal of Membrane Science*, **2016**, 497, 514-523	9.6	12
138	Preparation and characterization of a reactive filter for groundwater defluoridation. *Chemical Engineering Journal*, **2016**, 283, 1154-1167	14.7	12
137	Co-digestion of food waste in a municipal wastewater treatment plant: Comparison of batch tests and full-scale experiences. *Waste Management*, **2016**, 47, 28-33	8.6	95
136	Hazardous events in membrane bioreactors Part 2: Impacts on removal of trace organic chemical contaminants. *Journal of Membrane Science*, **2016**, 497, 504-513	9.6	8
135	The role of residual quantities of suspended sludge on nitrogen removal efficiency in a deammonifying moving bed biofilm reactor. *Bioresource Technology*, **2016**, 219, 212-218	11	11
134	Characterization of sulfur oxidizing bacteria related to biogenic sulfuric acid corrosion in sludge digesters. *BMC Microbiology*, **2016**, 16, 153	4.5	33
133	Multimedia screening of contaminants of emerging concern (CECS) in coastal urban watersheds in southern California (USA). *Environmental Toxicology and Chemistry*, **2016**, 35, 1986-94	3.8	40
132	Strategien und Potenziale zur Energieoptimierung bei der Wasserwiederverwendung. *Osterreichische Wasser- Und Abfallwirtschaft*, **2016**, 68, 99-107	0.4	1
131	A novel test method to determine the filter material service life of decentralized systems treating runoff from traffic areas. *Journal of Environmental Management*, **2016**, 179, 66-75	7.9	10
130	Comparative analysis of biogenic and chemical sulfuric acid attack on hardened cement paste using laser ablation-ICP-MS. *Cement and Concrete Research*, **2016**, 87, 14-21	10.3	29
129	Seasonal variations in fate and removal of trace organic chemical contaminants while operating a full-scale membrane bioreactor. *Science of the Total Environment*, **2016**, 550, 176-183	10.2	59

128	Disturbance opens recruitment sites for bacterial colonization in activated sludge. *Environmental Microbiology*, **2016**, 18, 87-99	5.2	27
127	Methane from CO: Influence of different CO concentrations in the flush gas on the methane production in BMP tests. *Waste Management*, **2016**, 49, 36-39	8.6	7
126	Influence of Wastewater Discharge on the Metabolic Potential of the Microbial Community in River Sediments. *Microbial Ecology*, **2016**, 71, 78-86	4.4	27
125	Evaluation of Factors Influencing Lab-Scale Studies to Determine Heavy Metal Removal by Six Sorbents for Stormwater Treatment. *Water (Switzerland)*, **2016**, 8, 62	3	13
124	Performance and N2O Formation of the Deammonification Process by Suspended Sludge and Biofilm Systems: A Pilot-Scale Study. *Water (Switzerland)*, **2016**, 8, 578	3	6
123	Heavy metal removal mechanisms of sorptive filter materials for road runoff treatment and remobilization under de-icing salt applications. *Water Research*, **2016**, 102, 453-463	12.5	26
122	Holistic and Detailed View on Workflow Strategies Applied in This Book. *ACS Symposium Series*, **2016**, 175-181	0.4	1
121	Chemicals of Emerging Concern and Their Transformation Products in the Aqueous Environment. *ACS Symposium Series*, **2016**, 3-9	0.4	1
120	An Assessment of International Management Strategies for CECs in Water. *ACS Symposium Series*, **2016**, 11-22	0.4	4
119	Widening the Analytical Perspective: Polarity Extended Separation for Monitoring of Trace Organic Compounds in Surface Water Matrices. *ACS Symposium Series*, **2016**, 103-117	0.4	1
118	Linking Trace Organic Chemical Attenuation to Microbiome Metabolic Capabilities: Insights from Laboratory- and Full-Scale Managed Aquifer Recharge Systems. *ACS Symposium Series*, **2016**, 163-187	0.4	3
117	Application of 3D-fluorescence/PARAFAC to monitor the performance of managed aquifer recharge facilities. *Journal of Water Reuse and Desalination*, **2016**, 6, 249-263	2.6	9
116	Fate of bulk organic carbon and bromate during indirect water reuse involving ozone and subsequent aquifer recharge. *Journal of Water Reuse and Desalination*, **2016**, 6, 413-420	2.6	7
115	rRNA Gene Expression of Abundant and Rare Activated-Sludge Microorganisms and Growth Rate Induced Micropollutant Removal. *Environmental Science & Technology*, **2016**, 50, 6299-309	10.3	40
114	Insight into the defluoridation efficiency of nano magnesium oxide in groundwater system contaminated with hexavalent chromium and fluoride. *Separation and Purification Technology*, **2016**, 162, 195-202	8.3	13
113	Introducing sequential managed aquifer recharge technology (SMART) - From laboratory to full-scale application. *Chemosphere*, **2016**, 154, 8-16	8.4	41
112	Evaluation of site-specific factors influencing heavy metal contents in the topsoil of vegetated infiltration swales. *Science of the Total Environment*, **2016**, 560-561, 19-28	10.2	23
111	Oxidation of bisphenol A by a boron-doped diamond electrode in different water matrices: transformation products and inorganic by-products. *International Journal of Environmental Science and Technology*, **2016**, 13, 2539-2548	3.3	7

110	Biotransformation of trace organic chemicals during groundwater recharge: How useful are first-order rate constants?. *Journal of Contaminant Hydrology*, **2015**, 179, 65-75	3.9	48
109	Characterization of granular matrix supported nano magnesium oxide as an adsorbent for defluoridation of groundwater. *Chemical Engineering Journal*, **2015**, 281, 632-643	14.7	26
108	Influence of headspace flushing on methane production in Biochemical Methane Potential (BMP) tests. *Bioresource Technology*, **2015**, 186, 173-178	11	44
107	Comprehensive assessment of Cytochrome P450 reactions: A multiplex approach using real-time ESI-MS. *Biochimica Et Biophysica Acta - General Subjects*, **2015**, 1850, 2573-81	4	1
106	Assessment of fixed bed of aluminum infused diatomaceous earth as appropriate technology for groundwater defluoridation. *Separation and Purification Technology*, **2015**, 153, 108-117	8.3	4
105	Correlation between Biogas Yield and Chemical Composition of Grassland Plant Species. *Energy & Fuels*, **2015**, 29, 7221-7229	4.1	25
104	Electrochemical disinfection using boron-doped diamond electrode--the synergetic effects of in situ ozone and free chlorine generation. *Chemosphere*, **2015**, 121, 47-53	8.4	74
103	Co-digestion of food waste in municipal wastewater treatment plants: Effect of different mixtures on methane yield and hydrolysis rate constant. *Applied Energy*, **2015**, 137, 250-255	10.7	151
102	Disturbance and temporal partitioning of the activated sludge metacommunity. *ISME Journal*, **2015**, 9, 425-35	11.9	80
101	Contemporary design, operation, and monitoring of potable reuse systems. *Journal of Water Reuse and Desalination*, **2015**, 5, 1-7	2.6	18
100	Effect of temperature on removal of trace organic chemicals in managed aquifer recharge systems. *Chemosphere*, **2015**, 122, 23-31	8.4	23
99	Start-up performance of a full-scale riverbank filtration site regarding removal of DOC, nutrients, and trace organic chemicals. *Chemosphere*, **2015**, 127, 136-42	8.4	47
98	Mechanisms of pathogenic virus removal in a full-scale membrane bioreactor. *Environmental Science & Technology*, **2015**, 49, 2815-22	10.3	77
97	The occurrence and fate of chemicals of emerging concern in coastal urban rivers receiving discharge of treated municipal wastewater effluent. *Environmental Toxicology and Chemistry*, **2014**, 33, 350-8	3.8	61
96	Coalbed methane produced water screening tool for treatment technology and beneficial use. *Journal of Unconventional Oil and Gas Resources*, **2014**, 5, 22-34		30
95	Modelling the rejection of N-nitrosamines by a spiral-wound reverse osmosis system: Mathematical model development and validation. *Journal of Membrane Science*, **2014**, 454, 212-219	9.6	18
94	Geophysical and Hydrochemical Identification of Flow Paths with Implications for Water Quality at an ARR Site. *Ground Water Monitoring and Remediation*, **2014**, 34, 105-116	1.4	18
93	Electrosorption of Heavy Metals with Capacitive Deionization: Water Reuse, Desalination and Resources Recovery **2014**, 521-548		1

92	Rejection of small solutes by reverse osmosis membranes for water reuse applications: A pilot-scale study. *Desalination*, **2014**, 350, 28-34	10.3	18
91	Role of primary substrate composition on microbial community structure and function and trace organic chemical attenuation in managed aquifer recharge systems. *Applied Microbiology and Biotechnology*, **2014**, 98, 5747-56	5.7	63
90	Results of an interlaboratory comparison of analytical methods for contaminants of emerging concern in water. *Analytical Chemistry*, **2014**, 86, 774-82	7.8	23
89	The occurrence of emerging trace organic chemicals in wastewater effluents in Saudi Arabia. *Science of the Total Environment*, **2014**, 478, 152-62	10.2	66
88	N-nitrosamine rejection by reverse osmosis: Effects of membrane exposure to chemical cleaning reagents. *Desalination*, **2014**, 343, 60-66	10.3	22
87	Alternative approach to estimate the hydrolysis rate constant of particulate material from batch data. *Applied Energy*, **2014**, 120, 11-15	10.7	52
86	Investigating the role for adaptation of the microbial community to transform trace organic chemicals during managed aquifer recharge. *Water Research*, **2014**, 56, 172-80	12.5	54
85	Role of primary substrate composition and concentration on attenuation of trace organic chemicals in managed aquifer recharge systems. *Journal of Environmental Management*, **2014**, 144, 58-66	7.9	56
84	Tuning the performance of a natural treatment process using metagenomics for improved trace organic chemical attenuation. *Water Science and Technology*, **2014**, 69, 628-33	2.2	14
83	Revealing biogenic sulfuric acid corrosion in sludge digesters: detection of sulfur-oxidizing bacteria within full-scale digesters. *Water Science and Technology*, **2014**, 70, 1405-11	2.2	5
82	Correlation between biogas yield and chemical composition of energy crops. *Bioresource Technology*, **2014**, 174, 316-20	11	67
81	Assessment of virus removal by managed aquifer recharge at three full-scale operations. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2014**, 49, 1685-92	2.3	47
80	Trends in water quality variability for coalbed methane produced water. *Journal of Cleaner Production*, **2014**, 84, 840-848	10.3	23
79	N-nitrosamine rejection by reverse osmosis membranes: a full-scale study. *Water Research*, **2013**, 47, 6141-8	12.5	46
78	Rejection of small and uncharged chemicals of emerging concern by reverse osmosis membranes: The role of free volume space within the active skin layer. *Separation and Purification Technology*, **2013**, 116, 426-432	8.3	39
77	A changing framework for urban water systems. *Environmental Science & Technology*, **2013**, 47, 10721-6	10.9	180
76	N-nitrosamine rejection by nanofiltration and reverse osmosis membranes: The importance of membrane characteristics. *Desalination*, **2013**, 316, 67-75	10.3	52
75	Critical Review of Desalination Concentrate Management, Treatment and Beneficial Use. *Environmental Engineering Science*, **2013**, 30, 502-514	2	95

74	Flexible hybrid membrane treatment systems for tailored nutrient management: A new paradigm in urban wastewater treatment. *Journal of Membrane Science*, **2013**, 446, 34-41	9.6	33
73	Fate of bulk and trace organics during a simulated aquifer recharge and recovery (ARR)-ozone hybrid process. *Chemosphere*, **2013**, 93, 2055-62	8.4	20
72	Microbial community evolution during simulated managed aquifer recharge in response to different biodegradable dissolved organic carbon (BDOC) concentrations. *Water Research*, **2013**, 47, 2421-30	12.5	75
71	Identifying well contamination through the use of 3-D fluorescence spectroscopy to classify coalbed methane produced water. *Environmental Science & Technology*, **2013**, 47, 649-56	10.3	31
70	Boron as a surrogate for N-nitrosodimethylamine rejection by reverse osmosis membranes in potable water reuse applications. *Environmental Science & Technology*, **2013**, 47, 6425-30	10.3	16
69	Effects of membrane fouling on N-nitrosamine rejection by nanofiltration and reverse osmosis membranes. *Journal of Membrane Science*, **2013**, 427, 311-319	9.6	53
68	Response to comment on "identifying well contamination through the use of 3-D fluorescence spectroscopy to classify coalbed methane produced water". *Environmental Science & Technology*, **2013**, 47, 1772-3	10.3	
67	Designing monitoring programs for chemicals of emerging concern in potable reuse--what to include and what not to include?. *Water Science and Technology*, **2013**, 67, 433-9	2.2	32
66	Introduction: Reinventing Urban Water Infrastructure. *Environmental Engineering Science*, **2013**, 30, 393-394	1	3
65	Integration of Artificial Recharge and Recovery Systems for Impaired Water Sources in Urban Settings: Overcoming Current Limitations and Engineering Challenges. *Environmental Engineering Science*, **2013**, 30, 409-420	2	22
64	Restoration of wadi aquifers by artificial recharge with treated waste water. *Ground Water*, **2012**, 50, 514-27	2.4	44
63	The pros and cons of using nanofiltration in lieu of reverse osmosis for indirect potable reuse applications. *Separation and Purification Technology*, **2012**, 85, 69-76	8.3	41
62	Impact of operating conditions on permeate flux and process economics for cross flow ceramic membrane ultrafiltration of surface water. *Separation and Purification Technology*, **2012**, 87, 47-53	8.3	32
61	Effects of feed solution characteristics on the rejection of N-nitrosamines by reverse osmosis membranes. *Journal of Membrane Science*, **2012**, 409-410, 66-74	9.6	60
60	Removal of trace organic chemicals in onsite wastewater soil treatment units: a laboratory experiment. *Water Research*, **2012**, 46, 5174-84	12.5	33
59	The role of microbial adaptation and biodegradable dissolved organic carbon on the attenuation of trace organic chemicals during groundwater recharge. *Science of the Total Environment*, **2012**, 437, 137-44	10.2	41
58	Sorption of ionized and neutral emerging trace organic compounds onto activated sludge from different wastewater treatment configurations. *Water Research*, **2012**, 46, 1958-68	12.5	128
57	Variability of trace organic chemical concentrations in raw wastewater at three distinct sewershed scales. *Water Research*, **2012**, 46, 3261-71	12.5	54

56	Water reuse: achievements and future challenges **2012**, 61, 461-462		
55	Determining key factors and challenges that affect the future of water reuse **2012**, 61, 518-528		1
54	N-nitrosamine removal by reverse osmosis for indirect potable water reuse A critical review based on observations from laboratory-, pilot- and full-scale studies. *Separation and Purification Technology*, **2012**, 98, 503-515	8.3	106
53	Effects of Feed Solution Characteristics and Membrane Fouling on N-Nitrosamine Rejection by Reverse Osmosis Membranes. *Procedia Engineering*, **2012**, 44, 1993-1995		
52	Dissolved organic carbon influences microbial community composition and diversity in managed aquifer recharge systems. *Applied and Environmental Microbiology*, **2012**, 78, 6819-28	4.8	92
51	Water reuse in the Kingdom of Saudi Arabia status, prospects and research needs. *Water Science and Technology: Water Supply*, **2012**, 12, 926-936	1.4	23
50	Indicator compounds for assessment of wastewater effluent contributions to flow and water quality. *Water Research*, **2011**, 45, 1199-212	12.5	140
49	Sorption of emerging trace organic compounds onto wastewater sludge solids. *Water Research*, **2011**, 45, 3417-26	12.5	179
48	Attenuation of contaminants of emerging concern during surface-spreading aquifer recharge. *Science of the Total Environment*, **2011**, 409, 1087-94	10.2	84
47	Composite geochemical database for coalbed methane produced water quality in the Rocky Mountain region. *Environmental Science & Technology*, **2011**, 45, 7655-63	10.3	86
46	Chemical monitoring strategy for the assessment of advanced water treatment plant performance. *Water Science and Technology*, **2011**, 63, 573-9	2.2	3
45	Quantitative structure property relationships for the adsorption of pharmaceuticals onto activated carbon. *Water Science and Technology*, **2010**, 62, 2270-6	2.2	41
44	Occurrence of Pharmaceuticals and Consumer Product Chemicals in Raw Wastewater and Septic Tank Effluent from Single-Family Homes. *Environmental Engineering Science*, **2010**, 27, 347-356	2	35
43	Evaluation of a bench-scale membrane fouling protocol to determine fouling propensities of membranes during full-scale water reuse applications. *Water Science and Technology*, **2010**, 62, 1198-204	2.2	1
42	The role of organic matter in the removal of emerging trace organic chemicals during managed aquifer recharge. *Water Research*, **2010**, 44, 449-60	12.5	130
41	Fate of antibiotics during municipal water recycling treatment processes. *Water Research*, **2010**, 44, 4295-323	12.5	505
40	Attenuation of total organic carbon and unregulated trace organic chemicals in U.S. riverbank filtration systems. *Water Research*, **2010**, 44, 4643-59	12.5	109
39	Comparing the Phenomenological and Hydrodynamic Modeling Approaches for Describing the Rejection of Emerging Nonionic Organic Contaminants by a Nanofiltration Membrane. *ACS Symposium Series*, **2010**, 397-420	0.4	1

38	The effect of organic membrane fouling on the properties and rejection characteristics of nanofiltration membranes. *Separation and Purification Technology*, **2010**, 74, 44-54	8.3	84
37	Fouling of nanofiltration and reverse osmosis membranes during municipal wastewater reclamation: Membrane autopsy results from pilot-scale investigations. *Journal of Membrane Science*, **2010**, 353, 111-121	9.6	191
36	A multi-barrier osmotic dilution process for simultaneous desalination and purification of impaired water. *Journal of Membrane Science*, **2010**, 362, 417-426	9.6	256
35	Effects of membrane degradation on the removal of pharmaceutically active compounds (PhACs) by NF/RO filtration processes. *Journal of Membrane Science*, **2009**, 340, 16-25	9.6	109
34	Applying surrogates and indicators to assess removal efficiency of trace organic chemicals during chemical oxidation of wastewaters. *Environmental Science & Technology*, **2009**, 43, 6242-7	10.3	96
33	Treatment of brackish produced water using carbon aerogel-based capacitive deionization technology. *Water Research*, **2008**, 42, 2605-17	12.5	440
32	Field Evaluation of the Performance of Engineered On-Site Wastewater Treatment Units. *Journal of Hydrologic Engineering - ASCE*, **2008**, 13, 735-743	1.8	13
31	Produced Water in the Western United States: Geographical Distribution, Occurrence, and Composition. *Environmental Engineering Science*, **2008**, 25, 239-246	2	118
30	Beneficial use of co-produced water through membrane treatment: technical-economic assessment. *Desalination*, **2008**, 225, 139-155	10.3	120
29	Determination of household chemicals using gas chromatography and liquid chromatography with tandem mass spectrometry. *Journal of Chromatography A*, **2008**, 1190, 253-62	4.5	78
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27	Viability of a low-pressure nanofilter in treating recycled water for water reuse applications: a pilot-scale study. *Water Research*, **2007**, 41, 3948-58	12.5	117
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