

# Diego Rosso

## List of Publications by Year in descending order

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Version: 2024-02-01

142  
papers

3,447  
citations

159358

30  
h-index

155451

55  
g-index

142  
all docs

142  
docs citations

142  
times ranked

3809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of power tariffs and aeration dynamics on the expansion of water resource recovery facilities. <i>Journal of Cleaner Production</i> , 2022, 337, 130385.	4.6	1
2	How elevation dictates technology selection in biological wastewater treatment. <i>Journal of Environmental Management</i> , 2022, 307, 114588.	3.8	9
3	A proof-of-concept experimental study for vacuum-driven anaerobic biosolids fermentation using the IntensiCarb technology. <i>Water Environment Research</i> , 2022, 94, e10694.	1.3	5
4	Integrating Virus Monitoring Strategies for Safe Non-Potable Water Reuse. <i>Water (Switzerland)</i> , 2022, 14, 1187.	1.2	7
5	The third route: A techno-economic evaluation of extreme water and wastewater decentralization. <i>Water Research</i> , 2022, 218, 118408.	5.3	21
6	Dynamic alpha factors: Prediction in time and evolution along reactors. <i>Water Research</i> , 2022, 216, 118339.	5.3	9
7	Microplastics separation using stainless steel mini-hydrocyclones fabricated with additive manufacturing. <i>Science of the Total Environment</i> , 2022, 840, 156697.	3.9	10
8	Oxygen transfer and plant-wide energy assessment of primary screening in WRRFs. <i>Water Environment Research</i> , 2021, 93, 677-692.	1.3	6
9	Dynamic impact of cellulose and readily biodegradable substrate on oxygen transfer efficiency in sequencing batch reactors. <i>Water Research</i> , 2021, 190, 116724.	5.3	14
10	Comparison of methods for nitrous oxide emission estimation in full-scale activated sludge. <i>Water Science and Technology</i> , 2021, 83, 641-651.	1.2	2
11	Dynamic load shifting for the abatement of GHG emissions, power demand, energy use, and costs in metropolitan hybrid wastewater treatment systems. <i>Water Research</i> , 2021, 200, 117224.	5.3	6
12	Soft Sensing for On-Line Fault Detection of Ammonium Sensors in Water Resource Recovery Facilities. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10067-10076.	4.6	9
13	Effects of flow velocity and bubble size distribution on oxygen mass transfer in bubble column reactors—A critical evaluation of the computational fluid dynamics-population balance model. <i>Water Environment Research</i> , 2021, 93, 2274-2297.	1.3	5
14	Detection of SARS-CoV-2 in Wastewater: Community Variability, Temporal Dynamics, and Genotype Diversity. <i>ACS ES&amp;T Water</i> , 2021, 1, 1816-1825.	2.3	7
15	Analysis of Hydrocyclone Geometry via Rapid Optimization Based on Computational Fluid Dynamics. <i>Chemical Engineering and Technology</i> , 2021, 44, 1693-1707.	0.9	8
16	Separation performance of hydrocyclones with medium rearrangement internals. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105642.	3.3	9
17	Influence of substrates concentrations on the dynamics of oxygen demand and aeration performance in ideal bioreactors. <i>Chemical Engineering Research and Design</i> , 2021, 153, 339-353.	2.7	3
18	Quantification of energy and cost reduction from decreasing dissolved oxygen levels in full-scale WRRFs. <i>Water Environment Research</i> , 2021, , .	1.3	1

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19	Oxygen transfer investigations in an aerobic granular sludge reactor. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 679-690.	1.2	6
20	Molecular Biomarkers and Influential Factors of Denitrification in a Full-Scale Biological Nitrogen Removal Plant. <i>Microorganisms</i> , 2020, 8, 11.	1.6	5
21	Functional behaviour and microscopic analysis of ammonium sensors subject to fouling in activated sludge processes. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2723-2733.	1.2	3
22	When the fourth water and digital revolution encountered COVID-19. <i>Science of the Total Environment</i> , 2020, 744, 140980.	3.9	53
23	Increasing oxygen transfer efficiency through sorption enhancing strategies. <i>Water Research</i> , 2020, 183, 116086.	5.3	7
24	The Fourth-Revolution in the Water Sector Encounters the Digital Revolution. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4698-4705.	4.6	52
25	Relationship between manual air valve positioning, water quality and energy usage in activated sludge processes. <i>Water Research</i> , 2020, 173, 115537.	5.3	9
26	A composite indicator approach to assess the sustainability and resilience of wastewater management alternatives. <i>Science of the Total Environment</i> , 2020, 725, 138286.	3.9	35
27	Multi-criteria decision support system for wind farm site selection and sensitivity analysis: Case study of Alborz Province, Iran. <i>Energy Strategy Reviews</i> , 2020, 29, 100478.	3.3	104
28	Estimación del volumen de agua virtual exportada en productos agrícolas. California como caso de estudio. <i>Ingeniería Del Agua</i> , 2020, 24, 255.	0.2	1
29	CO <sub>2</sub> and N <sub>2</sub> O from water resource recovery facilities: Evaluation of emissions from biological treatment, settling, disinfection, and receiving water body. <i>Science of the Total Environment</i> , 2019, 648, 1130-1140.	3.9	37
30	Modelling gas-liquid mass transfer in wastewater treatment: when current knowledge needs to encounter engineering practice and vice versa. <i>Water Science and Technology</i> , 2019, 80, 607-619.	1.2	32
31	Sustainability metrics for assessing water resource recovery facilities of the future. <i>Water Environment Research</i> , 2019, 91, 45-53.	1.3	29
32	Fate of cellulose in primary and secondary treatment at municipal water resource recovery facilities. <i>Water Environment Research</i> , 2019, 91, 1479-1489.	1.3	29
33	Comparative energy and carbon footprint analysis of biosolids management strategies in water resource recovery facilities. <i>Science of the Total Environment</i> , 2019, 665, 762-773.	3.9	27
34	Winery wastewater treatment: a critical overview of advanced biological processes. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 489-507.	5.1	54
35	Review of the Factors Affecting Modeling Oxygen Transfer by Fine-Pore Diffusers in Activated Sludge. <i>Water Environment Research</i> , 2019, , .	1.3	1
36	ISE-ammonium sensors in WRRFs: field assessment of their influencing factors. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 737-746.	1.2	9

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37	The future of WRRF modelling – outlook and challenges. <i>Water Science and Technology</i> , 2019, 79, 3-14.	1.2	31
38	Energy footprint and carbon emission reduction using off-the-grid solar-powered mixing for lagoon treatment. <i>Journal of Environmental Management</i> , 2018, 205, 125-133.	3.8	12
39	Comparison of DNA Extraction Efficiency and Reproducibility of Different Aeration Diffuser Biofilms Using Bead-Beating Protocol. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2018, 28, 293-304.	1.0	2
40	Impact of fouling on the decline of aeration efficiency under different operational conditions at WRRFs. <i>Science of the Total Environment</i> , 2018, 639, 248-257.	3.9	13
41	The Economics of Wastewater Treatment Decentralization: A Techno-economic Evaluation. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8965-8976.	4.6	58
42	Diurnal variations of the energy intensity and associated greenhouse gas emissions for activated sludge processes. <i>Water Science and Technology</i> , 2018, 77, 1838-1850.	1.2	14
43	A Critical Review of the Factors Affecting Modeling Oxygen Transfer by Fine-Pore Diffusers in Activated Sludge. <i>Water Environment Research</i> , 2018, 90, 431-441.	1.3	46
44	Aeration, Mixing, and Energy: Bubbles and Sparks. , 2018, , .		6
45	Mapping Cellulose Content and Degradability in Water Resource Recovery Facilities: European and North-American Case Studies. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 98-105.	0.0	0
46	Analysis of Activated Sludge Aeration Systems Following Primary Filtration With Microsieves. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 85-97.	0.0	0
47	Field Evaluation of ISE-ammonium Sensors and Their Influencing Factors in WRRFs. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 3469-3480.	0.0	1
48	Using Off-Gas Analysis to Quantify of Load Imbalances in Nominally Identical Parallel Activated Sludge Trains. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 1354-1362.	0.0	0
49	Reverse flexing as a physical/mechanical treatment to mitigate fouling of fine bubble diffusers. <i>Water Science and Technology</i> , 2017, 76, 1595-1602.	1.2	7
50	Accelerating Innovation that Enhances Resource Recovery in the Wastewater Sector: Advancing a National Testbed Network. <i>Environmental Science &amp; Technology</i> , 2017, 51, 7749-7758.	4.6	50
51	Carbon and energy footprint analysis of tannery wastewater treatment: A Global overview. <i>Water Resources and Industry</i> , 2017, 17, 43-52.	1.9	19
52	Modelling the link amongst fine-pore diffuser fouling, oxygen transfer efficiency, and aeration energy intensity. <i>Water Research</i> , 2017, 111, 127-139.	5.3	29
53	Methods for quantification of biosorption in high-rate activated sludge systems. <i>Biochemical Engineering Journal</i> , 2017, 128, 33-44.	1.8	22
54	Modelling oxygen transfer using dynamic alpha factors. <i>Water Research</i> , 2017, 124, 139-148.	5.3	34

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55	Fate and Toxicity of Zinc Oxide Nanomaterial in Municipal Wastewaters. <i>Water Environment Research</i> , 2017, 89, 880-889.	1.3	10
56	A Novel Comprehensive Procedure for Estimating Greenhouse Gas Emissions from Water Resource Recovery Facilities. <i>Lecture Notes in Civil Engineering</i> , 2017, , 482-488.	0.3	2
57	The Good, the Bad, and the Ugly Carbon: Optimizing Heterotrophic BNR Processes by Engineered Solids Fractionation Using Rotating Belt Filters. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 4276-4293.	0.0	0
58	Using dynamic alpha factors for oxygen transfer optimization in WRRFs. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 298-303.	0.0	0
59	Energy analysis of reclaimed water application for irrigation in arid and semi-arid regions. <i>Journal of Water and Climate Change</i> , 2016, 7, 159-168.	1.2	1
60	Validation of a decision support tool for wastewater treatment selection. <i>Journal of Environmental Management</i> , 2016, 184, 409-418.	3.8	37
61	Identification of Preferential Paths of Fossil Carbon within Water Resource Recovery Facilities via Radiocarbon Analysis. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12166-12178.	4.6	27
62	A survey of biofilms on wastewater aeration diffusers suggests bacterial community composition and function vary by substrate type and time. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6361-6373.	1.7	9
63	Greenhouse gases from wastewater treatment “ A review of modelling tools. <i>Science of the Total Environment</i> , 2016, 551-552, 254-270.	3.9	142
64	Linking biofilm growth to fouling and aeration performance of fine-pore diffuser in activated sludge. <i>Water Research</i> , 2016, 90, 317-328.	5.3	36
65	Greenhouse Gas Emissions from Wastewater Treatment Plants on a Plantwide Scale: Sensitivity and Uncertainty Analysis. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	13
66	Trade-off between carbon emission and effluent quality of activated sludge processes under seasonal variations of wastewater temperature and mean cell retention time. <i>Science of the Total Environment</i> , 2016, 547, 331-344.	3.9	13
67	Dynamic Modeling of Rotating Belt Filters Enables Design Exploration and Advanced Sizing With Varying Influent Conditions. <i>Proceedings of the Water Environment Federation</i> , 2016, 2016, 1158-1168.	0.0	4
68	Circadian Amplification of Energy Consumption, its Associated Costs, and GHG Emissions in Aeration Processes. <i>Proceedings of the Water Environment Federation</i> , 2016, 2016, 5174-5187.	0.0	0
69	Diffuser Membrane Efficiency and its Associated Aeration Energy. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 1852-1859.	0.0	0
70	Effects of Activated Sludge Process Conditions on the Production of Extracellular Polymeric Substances: Results of Yearlong Monitoring in a Warm Climate. <i>Environmental Engineering Science</i> , 2015, 32, 582-592.	0.8	10
71	The difference between energy consumption and energy cost: Modelling energy tariff structures for water resource recovery facilities. <i>Water Research</i> , 2015, 81, 113-123.	5.3	71
72	Impact of direct greenhouse gas emissions on the carbon footprint of water reclamation processes employing nitrification–denitrification. <i>Science of the Total Environment</i> , 2015, 505, 1166-1173.	3.9	24

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73	Understanding Primary Treatment Performance and Carbon Diversion Potential of Rotating Belt Filters Using Computational Fluid Dynamics. Proceedings of the Water Environment Federation, 2015, 2015, 1249-1262.	0.0	4
74	Mechanical Cleaning/Treatment Method for Mitigating Membrane Diffuser Fouling and Improving Aeration Efficiency. Proceedings of the Water Environment Federation, 2015, 2015, 4078-4086.	0.0	0
75	Energy Footprint and Carbon-Emission Reduction for small Lagoon Treatment Using Off-The-Grid Solar-Powered Mixing. Proceedings of the Water Environment Federation, 2015, 2015, 1-17.	0.0	0
76	Effect of biological process rate on fouling of fine-pore diffusers. Proceedings of the Water Environment Federation, 2015, 2015, 1860-1867.	0.0	0
77	Determining Major Denitrifiers and Major Physicochemical and Operational Factors Influencing their Performance in a Full-Scale Water Reclamation Plant. Proceedings of the Water Environment Federation, 2015, 2015, 4117-4129.	0.0	0
78	Salt Brine Capillary Crystallization: An Environmentally Friendly, Zero Liquid Discharge Treatment of Brine to Mitigate Disposal Issues and Harvest Salts. Proceedings of the Water Environment Federation, 2015, 2015, 3565-3574.	0.0	0
79	Optimal planning and design of seawater RO brine outfalls under environmental uncertainty. Desalination, 2014, 333, 134-145.	4.0	11
80	Annual In-Situ Monitoring of Diffuser Material Properties for Fine-Pore Aeration Systems. Proceedings of the Water Environment Federation, 2014, 2014, 5615-5623.	0.0	0
81	SewerSnort: A drifting sensor for in situ Wastewater Collection System gas monitoring. Ad Hoc Networks, 2013, 11, 1456-1471.	3.4	13
82	Molecular Characteristics and Differences of Effluent Organic Matter from Parallel Activated Sludge and Integrated Fixed-Film Activated Sludge (IFAS) Processes. Environmental Science & Technology, 2013, 47, 130827102639005.	4.6	18
83	Role of primary sedimentation on plant-wide energy recovery and carbon footprint. Water Science and Technology, 2013, 68, 870-878.	1.2	29
84	Methodology for In Situ Column Testing to Improve Accuracy during Design and Specification of Aeration Systems. Journal of Environmental Engineering, ASCE, 2013, 139, 530-537.	0.7	0
85	Comparison of effluent organic matter from parallel activated sludge and integrated fixed-film activated sludge (IFAS) processes. Proceedings of the Water Environment Federation, 2013, 2013, 6553-6562.	0.0	1
86	Peak Amplification of Energy Demand, Energy Cost, and Carbon Emission in Water Reclamation and Purification Processes during Diurnal Cycles. Proceedings of the Water Environment Federation, 2013, 2013, 143-152.	0.0	2
87	Dynamic Energy Footprint Monitoring of Wastewater Aeration Systems via Full-Scale Deployment of Real-Time Off-Gas Analyzers. Proceedings of the Water Environment Federation, 2013, 2013, 291-299.	0.0	1
88	Towards more accurate design and specification of aeration systems using on-site column testing. Water Science and Technology, 2012, 66, 627-634.	1.2	10
89	Energy Footprint Dynamics of Water Reclamation and Purification Processes During The Short-Term Periods. Proceedings of the Water Environment Federation, 2012, 2012, 146-153.	0.0	0
90	Monthly variation of activated sludge extracellular polymeric substances and their correlation with the removal of anthropogenic micropollutants. Proceedings of the Water Environment Federation, 2012, 2012, 3852-3862.	0.0	0

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91	Dynamics and Control of Activated Sludge Processes Using Molecular Tools. Proceedings of the Water Environment Federation, 2012, 2012, 6910-6920.	0.0	1
92	Energy Footprint Modelling: a tool for process optimisation in Large Wastewater Treatment Plants. Water Practice and Technology, 2012, 7, .	1.0	1
93	Statistical evaluation of photon count rate data for nanoscale particle measurement in wastewaters. Journal of Environmental Monitoring, 2012, 14, 79-84.	2.1	15
94	Taking the "Waste" Out of "Wastewater" for Human Water Security and Ecosystem Sustainability. Science, 2012, 337, 681-686.	6.0	513
95	Energy Footprint analysis of brackish groundwater desalination with zero liquid discharge in inland areas of the Arabian Peninsula. Desalination, 2012, 291, 106-116.	4.0	32
96	Process analysis and economics of drinking water production from coastal aquifers containing chromophoric dissolved organic matter and bromide using nanofiltration and ozonation. Journal of Environmental Management, 2012, 93, 209-217.	3.8	7
97	Molecular characterization of effluent organic matter identified by ultrahigh resolution mass spectrometry. Water Research, 2011, 45, 2943-2953.	5.3	224
98	Effects of soluble and particulate substrate on the carbon and energy footprint of wastewater treatment processes. Water Research, 2011, 45, 5858-5872.	5.3	78
99	Oxygen transfer and uptake, nutrient removal, and energy footprint of parallel full-scale IFAS and activated sludge processes. Water Research, 2011, 45, 5987-5996.	5.3	71
100	Nitrous Oxide Emissions from Wastewater Treatment and Water Reclamation Plants in Southern California. Journal of Environmental Quality, 2011, 40, 1542-1550.	1.0	34
101	Energy Footprint Analysis of Orange County Sanitation District's Operations. Proceedings of the Water Environment Federation, 2011, 2011, 984-991.	0.0	0
102	Energy Footprint Analysis of Orange County Sanitation District's Operations. Proceedings of the Water Environment Federation, 2011, 2011, 3707-3714.	0.0	0
103	Carbon and Energy Footprint Analysis of an Advanced Oxidation Process for Removing NDMA in Indirect Potable Water Reuse Operations. Proceedings of the Water Environment Federation, 2011, 2011, 3551-3558.	0.0	0
104	Fine-Pore Diffuser Studies in BNR Wastewater: Performance Variation and Effects on Energy Footprint. Proceedings of the Water Environment Federation, 2011, 2011, 237-248.	0.0	0
105	Comparison of Oxygen Transfer and Uptake Between an Integrated Fixed-Film Activated Sludge (IFAS) Process and a Conventional Activated Sludge Process (ASP). Proceedings of the Water Environment Federation, 2011, 2011, 368-390.	0.0	2
106	Effects of Turbulence on Fine-Bubble Diffuser Performance in Wastewater Aeration Systems. Proceedings of the Water Environment Federation, 2011, 2011, 109-110.	0.0	0
107	Carbon Footprint Analysis of the Nitrification/Denitrification Upgrade at Orange County Sanitation District's Plant 1. Proceedings of the Water Environment Federation, 2011, 2011, 1580-1589.	0.0	1
108	Comparative Analysis of Parallel IFAS and ASP Reactors: Oxygen Transfer and Uptake, Nutrient Removal, Carbon and Energy Footprint. Proceedings of the Water Environment Federation, 2011, 2011, 485-502.	0.0	2

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109	The Relationship Between Mixed-Liquor Particle Size and Solids Retention Time in the Activated Sludge Process. <i>Water Environment Research</i> , 2011, 83, 2178-2186.	1.3	9
110	Dynamic Energy and Carbon Footprint Analysis of Fine-pore Aeration Systems. <i>Proceedings of the Water Environment Federation</i> , 2010, 2010, 3930-3935.	0.0	0
111	Particle Size Distribution, Count Rate, and Membrane Fouling in Hollow-Fiber Microfiltration. <i>Proceedings of the Water Environment Federation</i> , 2010, 2010, 518-519.	0.0	0
112	Evaluation of Nanocopper Removal and Toxicity in Municipal Wastewaters. <i>Environmental Science &amp; Technology</i> , 2010, 44, 7808-7813.	4.6	98
113	Temperature modelling and prediction for activated sludge systems. <i>Water Science and Technology</i> , 2009, 59, 125-131.	1.2	14
114	Carbon footprint of aerobic biological treatment of winery wastewater. <i>Water Science and Technology</i> , 2009, 60, 1185-1189.	1.2	14
115	SewerSnort: A Drifting Sensor for In-situ Sewer Gas Monitoring. , 2009, , .		28
116	Real-Time Aeration Efficiency Monitoring in the Activated Sludge Process and Methods to Reduce Energy Consumption and Operating Costs. <i>Water Environment Research</i> , 2009, 81, 2471-2481.	1.3	65
117	Nitrous Oxide Emissions from Wastewater and Effects on Carbon- Footprint Modeling. <i>Proceedings of the Water Environment Federation</i> , 2009, 2009, 5417-5429.	0.0	1
118	Carbon Footprint of Biosolids Disposal to Landfills and Land Farms in the United States. <i>Proceedings of the Water Environment Federation</i> , 2009, 2009, 1086-1098.	0.0	0
119	Fine-pore aeration diffusers: Accelerated membrane ageing studies. <i>Water Research</i> , 2008, 42, 467-475.	5.3	22
120	Membrane properties change in fine-pore aeration diffusers: Full-scale variations of transfer efficiency and headloss. <i>Water Research</i> , 2008, 42, 2640-2648.	5.3	31
121	The carbon-sequestration potential of municipal wastewater treatment. <i>Chemosphere</i> , 2008, 70, 1468-1475.	4.2	80
122	COMPARATIVE ENERGY- AND CARBON- FOOTPRINTS FOR ACTIVATED SLUDGE LAYOUTS. <i>Proceedings of the Water Environment Federation</i> , 2008, 2008, 286-295.	0.0	0
123	Carbon-Footprint Effects of Biological Process Layout and Landfill Distance. <i>Proceedings of the Water Environment Federation</i> , 2008, 2008, 2738-2747.	0.0	0
124	Aeration of large-scale municipal wastewater treatment plants: state of the art. <i>Water Science and Technology</i> , 2008, 57, 973-978.	1.2	246
125	Real-Time Efficiency Monitoring for Wastewater Aeration Systems. <i>Water Practice and Technology</i> , 2008, 3, .	1.0	2
126	Oxygen Transfer in a Full-Depth Biological Aerated Filter. <i>Water Environment Research</i> , 2008, 80, 663-671.	1.3	12



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127	Accelerated Ageing Procedures for Assessing Decline in Fine-Pore Diffusers Performance. Proceedings of the Water Environment Federation, 2007, 2007, 7985-8003.	0.0	0
128	Time-Variations of Transfer Efficiency and Headloss for Fine-Pore Membrane Diffusers in Aeration Systems. Proceedings of the Water Environment Federation, 2007, 2007, 7944-7958.	0.0	1
129	Energy Recovery in Urban Wastewater Treatment on Global Scale. Proceedings of the Water Environment Federation, 2007, 2007, 1253-1265.	0.0	0
130	Energy Conservation and Recovery: Two Requirements for Sustainable Wastewater Treatment. Water Environment Research, 2007, 79, 819-820.	1.3	1
131	Energy conservation and recovery: two requirements for sustainable wastewater treatment. Water Environment Research, 2007, 79, 819-20.	1.3	0
132	Surfactant effects on $\alpha$ -factors in aeration systems. Water Research, 2006, 40, 1397-1404.	5.3	92
133	Economic Implications of Fine-Pore Diffuser Aging. Water Environment Research, 2006, 78, 810-815.	1.3	40
134	Oxygen Transfer in a Biological Aerated Filter. Proceedings of the Water Environment Federation, 2006, 2006, 175-184.	0.0	1
135	Alpha Factors in Full-Scale Wastewater Aeration Systems. Proceedings of the Water Environment Federation, 2006, 2006, 4853-4863.	0.0	15
136	Surfactant effects on alpha factors in full-scale wastewater aeration systems. Water Science and Technology, 2006, 54, 143-153.	1.2	14
137	Effects of interfacial surfactant contamination on bubble gas transfer. Chemical Engineering Science, 2006, 61, 5500-5514.	1.9	70
138	ECONOMIC IMPLICATIONS OF FINE PORE DIFFUSER AGING. Proceedings of the Water Environment Federation, 2005, 2005, 2465-2477.	0.0	2
139	Fifteen Years of Offgas Transfer Efficiency Measurements on Fine-Pore Aerators: Key Role of Sludge Age and Normalized Air Flux. Water Environment Research, 2005, 77, 266-273.	1.3	63
140	Comparative economic analysis of the impacts of mean cell retention time and denitrification on aeration systems. Water Research, 2005, 39, 3773-3780.	5.3	78
141	FINE PORE AERATION - FIFTEEN YEARS OF OFF-GAS TRANSFER EFFICIENCY MEASUREMENTS. Proceedings of the Water Environment Federation, 2001, 2001, 204-213.	0.0	3
142	Framework for Energy Neutral Treatment for the 21st Century through Energy Efficient Aeration. Water Intelligence Online, 0, 14, .	0.3	7