

# Nancy G Love

## List of Publications by Year in Descending Order

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

85  
papers

3,146  
citations

31  
h-index

54  
g-index

93  
ext. papers

3,604  
ext. citations

6.7  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
85	Assessing membrane aerated biofilm reactor configurations in mainstream anammox applications.. <i>Water Science and Technology</i> , <b>2022</b> , 85, 943-960	2.2	2
84	Validation of N95 Filtering Facepiece Respirator Decontamination Methods Available at a Large University Hospital. <i>Open Forum Infectious Diseases</i> , <b>2021</b> , 8, ofaa610	1	14
83	U.S.-China Collaboration is Vital to Global Plans for a Healthy Environment and Sustainable Development. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 9622-9626	10.3	2
82	Evaluating tannery wastewater treatment performance based on physicochemical and microbiological characteristics: An Ethiopian case study. <i>Water Environment Research</i> , <b>2021</b> , 93, 658-669	2.8	2
81	Sulfide alters microbial functional potential in a methane and nitrogen cycling biofilm reactor. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 1481-1495	5.2	5
80	Life Cycle Assessment of Urine Diversion and Conversion to Fertilizer Products at the City Scale. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 593-603	10.3	15
79	Increasing accuracy of field-scale studies to investigate plant uptake and soil dissipation of pharmaceuticals. <i>Analytical Methods</i> , <b>2021</b> , 13, 3077-3085	3.2	
78	Communicating the Risks and Benefits of Human Urine-Derived Fertilizer. <i>Sustainability</i> , <b>2020</b> , 12, 9973	3.6	0
77	Consumers' Acceptance of Agricultural Fertilizers Derived from Diverted and Recycled Human Urine. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 5297-5305	10.3	15
76	Balancing water quality and flows in combined sewer systems using real-time control. <i>Environmental Science: Water Research and Technology</i> , <b>2020</b> , 6, 1357-1369	4.2	8
75	Sensor-mediated granular sludge reactor for nitrogen removal and reduced aeration demand using a dilute wastewater. <i>Water Environment Research</i> , <b>2020</b> , 92, 1006-1016	2.8	7
74	Fate of Extracellular DNA in the Production of Fertilizers from Source-Separated Urine. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 1808-1815	10.3	5
73	Humidity and Deposition Solution Play a Critical Role in Virus Inactivation by Heat Treatment of N95 Respirators. <i>MSphere</i> , <b>2020</b> , 5,	5	16
72	Leveraging integrative research for inclusive innovation: urine diversion and re-use in agriculture. <i>Elementa</i> , <b>2020</b> , 8,	3.6	1
71	University-utility partnerships: Best practices for water innovation and collaboration. <i>Water Environment Research</i> , <b>2020</b> , 92, 314-319	2.8	2
70	Author response to letter from Gomez et al. <i>International Journal of Infectious Diseases</i> , <b>2020</b> , 91, 268-269	0.5	1
69	Oxygen Half-Saturation Constants for Pharmaceuticals in Activated Sludge and Microbial Community Activity under Varied Oxygen Levels. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1918-1927	10.3	9

68	Phenotypic variations in persistence and infectivity between and within environmentally transmitted pathogen populations impact population-level epidemic dynamics. <i>BMC Infectious Diseases</i> , <b>2019</b> , 19, 449	4	3
67	Guide for using green infrastructure in urban environments for stormwater management. <i>Environmental Science: Water Research and Technology</i> , <b>2019</b> , 5, 643-659	4.2	22
66	Quantifying the Urban Food-Energy-Water Nexus: The Case of the Detroit Metropolitan Area. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 779-788	10.3	37
65	Prevalence of Infection-Competent Serogroup 6 within Premise Plumbing in Southeast Michigan. <i>MBio</i> , <b>2018</b> , 9,	7.8	13
64	Assessment of the Legionnaires Disease outbreak in Flint, Michigan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E1730-E1739	11.5	49
63	Fate of the Urinary Tract Virus BK Human Polyomavirus in Source-Separated Urine. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	13
62	Sulfide inhibition of nitrite oxidation in activated sludge depends on microbial community composition. <i>Water Research</i> , <b>2018</b> , 138, 241-249	12.5	45
61	Elucidating the impact of microbial community biodiversity on pharmaceutical biotransformation during wastewater treatment. <i>Microbial Biotechnology</i> , <b>2018</b> , 11, 995-1007	6.3	21
60	A stability assessment tool for anaerobic codigestion. <i>Water Research</i> , <b>2017</b> , 112, 19-28	12.5	36
59	Transforming Environmental Engineering and Science Education, Research, and Practice. <i>Environmental Engineering Science</i> , <b>2017</b> , 34, 42-50	2	8
58	Optimizing extraction and analysis of pharmaceuticals in human urine, struvite, food crops, soil, and lysimeter water by liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , <b>2017</b> , 9, 5952-5962	2.2	11
57	An automated toolchain for the data-driven and dynamical modeling of combined sewer systems. <i>Water Research</i> , <b>2017</b> , 126, 88-100	12.5	13
56	The microbial colonization of activated carbon block point-of-use (PoU) filters with and without chlorinated phenol disinfection by-products. <i>Environmental Science: Water Research and Technology</i> , <b>2017</b> , 3, 830-843	4.2	11
55	Biodegradability of iopromide products after UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation. <i>Chemosphere</i> , <b>2016</b> , 144, 989-94	8.4	24
54	Impact of microbial physiology and microbial community structure on pharmaceutical fate driven by dissolved oxygen concentration in nitrifying bioreactors. <i>Water Research</i> , <b>2016</b> , 104, 189-199	12.5	48
53	Integrative Advanced Oxidation and Biofiltration for Treating Pharmaceuticals in Wastewater. <i>Water Environment Research</i> , <b>2016</b> , 88, 1985-1993	2.8	11
52	Urine Bacterial Community Convergence through Fertilizer Production: Storage, Pasteurization, and Struvite Precipitation. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 11619-11626	10.3	26
51	Chlorinated phenol-induced physiological antibiotic resistance in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , <b>2015</b> , 362,	2.9	6

50	Prospects for Biological Nitrogen Removal from Anaerobic Effluents during Mainstream Wastewater Treatment. <i>Environmental Science and Technology Letters</i> , <b>2015</b> , 2, 234-244	11	77
49	Effect of redox conditions on pharmaceutical loss during biological wastewater treatment using sequencing batch reactors. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 282, 106-15	12.8	46
48	Source Separation of Urine as an Alternative Solution to Nutrient Management in Biological Nutrient Removal Treatment Plants. <i>Water Environment Research</i> , <b>2015</b> , 87, 2120-9	2.8	28
47	Application of metabolite profiling tools and time-of-flight mass spectrometry in the identification of transformation products of iopromide and iopamidol during advanced oxidation. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 2983-90	10.3	33
46	Nutrient Removal from Mainstream Anaerobic Processes using a Membrane Biofilm Reactor and a Granular Sludge Sequencing Batch Reactor. <i>Proceedings of the Water Environment Federation</i> , <b>2015</b> , 2015, 1266-1273		1
45	Navigating wastewater energy recovery strategies: a life cycle comparison of anaerobic membrane bioreactor and conventional treatment systems with anaerobic digestion. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5972-81	10.3	180
44	Triclosan promotes <i>Staphylococcus aureus</i> nasal colonization. <i>MBio</i> , <b>2014</b> , 5, e01015	7.8	38
43	A GIS based national assessment of algal bio-oil production potential through flue gas and wastewater co-utilization. <i>Biomass and Bioenergy</i> , <b>2014</b> , 63, 76-85	5.3	34
42	Autotrophic Nitrogen Removal in a Membrane-Aerated Biofilm Reactor Under Continuous Aeration: A Demonstration. <i>Environmental Engineering Science</i> , <b>2013</b> , 30, 38-45	2	35
41	Lumped pathway metabolic model of organic carbon accumulation and mobilization by the alga <i>Chlamydomonas reinhardtii</i> . <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 3258-67	10.3	28
40	Perspectives on modelling micropollutants in wastewater treatment plants. <i>Water Science and Technology</i> , <b>2013</b> , 68, 448-61	2.2	26
39	The role of effluent nitrate in trace organic chemical oxidation during UV disinfection. <i>Water Research</i> , <b>2012</b> , 46, 5224-34	12.5	104
38	Enhanced biodegradation of carbamazepine after UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 6222-7	10.3	118
37	Reactivity and chemical characterization of effluent organic nitrogen from wastewater treatment plants determined by Fourier transform ion cyclotron resonance mass spectrometry. <i>Water Research</i> , <b>2012</b> , 46, 622-34	12.5	82
36	Micropollutant fate in wastewater treatment: redefining "removal". <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10485-6	10.3	46
35	Life cycle comparison of environmental emissions from three disposal options for unused pharmaceuticals. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5535-41	10.3	42
34	Chlorinated phenols control the expression of the multidrug resistance efflux pump MexAB-OprM in <i>Pseudomonas aeruginosa</i> by interacting with NaCl. <i>Molecular Microbiology</i> , <b>2011</b> , 79, 1547-56	4.1	29
33	The Bioavailability of Effluent-derived Organic Nitrogen along an Estuarine Salinity Gradient. <i>Estuaries and Coasts</i> , <b>2011</b> , 34, 269-280	2.8	21

32	Application of rbcL based molecular diversity analysis to algae in wastewater treatment plants. <i>Bioresource Technology</i> , <b>2011</b> , 102, 3619-22	11	26
31	Flame synthesis of carbon nanostructures on stainless steel anodes for use in microbial fuel cells. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 5829-5834	8.9	43
30	Effluent organic nitrogen (EON): bioavailability and photochemical and salinity-mediated release. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 5830-5	10.3	58
29	Evaluation of a filtration/dispersion method for enumeration of particle-associated <i>Escherichia coli</i> . <i>Journal of Environmental Quality</i> , <b>2009</b> , 38, 980-6	3.4	12
28	Nitrification in Drinking Water Systems. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2009</b> , 39, 153-208	11.1	115
27	A new planning and design paradigm to achieve sustainable resource recovery from wastewater. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 6126-30	10.3	335
26	Method to Partition Between Attached and Unattached <i>E. coli</i> in Runoff From Agricultural Lands1. <i>Journal of the American Water Resources Association</i> , <b>2008</b> , 44, 1591-1599	2.1	16
25	Physiological state, growth mode, and oxidative stress play a role in Cd(II)-mediated inhibition of <i>Nitrosomonas europaea</i> 19718. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 2447-53	4.8	52
24	Metabolic footprinting: a new approach to identify physiological changes in complex microbial communities upon exposure to toxic chemicals. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 3945-51	10.3	30
23	Transcriptome analysis reveals that multidrug efflux genes are upregulated to protect <i>Pseudomonas aeruginosa</i> from pentachlorophenol stress. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 4550-8	4.8	43
22	Activated sludge inhibition by chemical stressors--a comprehensive study. <i>Water Environment Research</i> , <b>2007</b> , 79, 940-51	2.8	17
21	The role of extracellular polymeric substances in the toxicity response of activated sludge bacteria to chemical toxins. <i>Water Research</i> , <b>2007</b> , 41, 4177-85	12.5	157
20	A vista for microbial ecology and environmental biotechnology. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 1096-103	10.3	103
19	The impact of floc size on respiration inhibition by soluble toxicants--a comparative investigation. <i>Water Research</i> , <b>2005</b> , 39, 2559-68	12.5	45
18	A Study of Glutathione-Gated Potassium Efflux in Biofilms Using Potassium Microelectrodes. <i>Environmental Engineering Science</i> , <b>2005</b> , 22, 489-495	2	7
17	Implicating the glutathione-gated potassium efflux system as a cause of electrophile-induced activated sludge deflocculation. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 5569-78	4.8	19
16	Investigation of sorption behavior between pyrene and colloidal organic carbon from activated sludge processes. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 4987-94	10.3	26
15	Sorption of 17beta-estradiol and 17alpha-ethinylestradiol by colloidal organic carbon derived from biological wastewater treatment systems. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 3322-9	10.3	107

14	Effect of alum addition on the performance of submerged membranes for wastewater treatment. <i>Water Environment Research</i> , <b>2004</b> , 76, 2699-702	2.8	
13	Application of temperature gradient gel electrophoresis to the characterization of a nitrifying bioaugmentation product. <i>FEMS Microbiology Ecology</i> , <b>2003</b> , 43, 277-86	4.3	14
12	Biodegradation of a PAH Mixture by Native Subsurface Microbiota. <i>Bioremediation Journal</i> , <b>2002</b> , 6, 9-24	2.3	8
11	Investigating a mechanistic cause for activated-sludge deflocculation in response to shock loads of toxic electrophilic chemicals. <i>Water Environment Research</i> , <b>2002</b> , 74, 306-15	2.8	27
10	Estrogen receptor agonist fate during wastewater and biosolids treatment processes: a mass balance analysis. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 4533-9	10.3	114
9	The immunochemical detection of stress proteins in activated sludge exposed to toxic chemicals. <i>Water Research</i> , <b>2001</b> , 35, 91-100	12.5	32
8	Oxime Inhibition of Nitrification During Treatment of an Ammonia-Containing Industrial Wastewater. <i>Water Environment Research</i> , <b>1999</b> , 71, 418-426	2.8	8
7	The effect of cationic salt addition on the settling and dewatering properties of an industrial activated sludge. <i>Water Environment Research</i> , <b>1998</b> , 70, 984-996	2.8	41
6	Biological Wastewater Treatment		202
5	Advancing the Design and Operating Conditions for Block Freeze Concentration of Urine-Derived Fertilizer. <i>ACS ES&amp;T Engineering</i> ,		2
4	Validation of N95 filtering facepiece respirator decontamination methods available at a large university hospital		10
3	Humidity and deposition solution play a critical role in virus inactivation by heat treatment on N95 respirators		3
2	Nested risks and responsibilities: Perspectives on fertilizer from human urine in two U.S. regions. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 1-22	2.4	1
1	Bacterial transmission and colonization in activated carbon block (ACB) point-of-use (PoU) filters. <i>Environmental Science: Water Research and Technology</i> ,	4.2	2