

# Tove A Larsen

## List of Publications by Year in descending order

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54  
papers

4,461  
citations

159525

30  
h-index

175177

52  
g-index

54  
all docs

54  
docs citations

54  
times ranked

3297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance and dynamics of active greywater heat recovery in buildings. <i>Applied Energy</i> , 2022, 305, 117677.	5.1	8
2	How to get your feet wet: Integrating urban water and building engineering for low-energy domestic hot water systems. <i>Energy and Buildings</i> , 2022, 271, 112318.	3.1	3
3	Novel NoMix toilet concept for efficient separation of urine and feces and its design optimization using computational fluid mechanics. <i>Journal of Building Engineering</i> , 2021, 33, 101500.	1.6	7
4	Towards a performance-based approach for multifunctional green roofs: An interdisciplinary review. <i>Building and Environment</i> , 2021, 188, 107489.	3.0	38
5	State of the art of urine treatment technologies: A critical review.. <i>Water Research X</i> , 2021, 13, 100114.	2.8	67
6	In-building heat recovery mitigates adverse temperature effects on biological wastewater treatment: A network-scale analysis of thermal-hydraulics in sewers. <i>Water Research</i> , 2021, 204, 117552.	5.3	15
7	Urine Source Separation for Global Nutrient Management. <i>Women in Engineering and Science</i> , 2020, , 99-111.	0.2	2
8	A Research Agenda for the Future of Urban Water Management: Exploring the Potential of Nongrid, Small-Grid, and Hybrid Solutions. <i>Environmental Science &amp; Technology</i> , 2020, 54, 5312-5322.	4.6	73
9	Modeling the water-energy nexus in households. <i>Energy and Buildings</i> , 2020, 225, 110262.	3.1	13
10	Recycling nutrients contained in human excreta to agriculture: Pathways, processes, and products. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 695-743.	6.6	134
11	Early testing of new sanitation technology for urban slums: The case of the Blue Diversion Toilet. <i>Science of the Total Environment</i> , 2017, 576, 264-272.	3.9	33
12	Robust planning of sanitation services in urban informal settlements: An analytical framework. <i>Water Research</i> , 2017, 110, 297-312.	5.3	16
13	A novel approach for stabilizing fresh urine by calcium hydroxide addition. <i>Water Research</i> , 2016, 95, 361-369.	5.3	137
14	Emerging solutions to the water challenges of an urbanizing world. <i>Science</i> , 2016, 352, 928-933.	6.0	534
15	An energy-efficient membrane bioreactor for on-site treatment and recovery of wastewater. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2015, 5, 448-455.	0.7	26
16	Blue Diversion: a new approach to sanitation in informal settlements. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2015, 5, 64-71.	0.7	23
17	CO <sub>2</sub> -neutral wastewater treatment plants or robust, climate-friendly wastewater management? A systems perspective. <i>Water Research</i> , 2015, 87, 513-521.	5.3	51
18	Decision Support for Redesigning Wastewater Treatment Technologies. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12238-12246.	4.6	23

#	ARTICLE	IF	CITATIONS
19	Water-related energy in households: A model designed to understand the current state and simulate possible measures. <i>Energy and Buildings</i> , 2013, 58, 378-389.	3.1	60
20	Source Separation and Decentralization for Wastewater Management. , 2013, , .		111
21	Redesigning wastewater infrastructure to improve resource efficiency. <i>Water Science and Technology</i> , 2011, 63, 2535-2541.	1.2	19
22	Decision support in urban water management based on generic scenarios: The example of NoMix technology. <i>Journal of Environmental Management</i> , 2010, 91, 2676-2687.	3.8	13
23	High Acceptance of Urine Source Separation in Seven European Countries: A Review. <i>Environmental Science &amp; Technology</i> , 2010, 44, 556-566.	4.6	132
24	Real-life efficiency of urine source separation. <i>Journal of Environmental Management</i> , 2009, 90, 1909-1917.	3.8	46
25	Source Separation: Will We See a Paradigm Shift in Wastewater Handling?. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6121-6125.	4.6	244
26	Charting a Path for Innovative Toilet Technology Using Multicriteria Decision Analysis. <i>Environmental Science &amp; Technology</i> , 2008, 42, 1855-1862.	4.6	36
27	Effect of heterotrophic growth on nitrification/anammox in a single sequencing batch reactor. <i>Water Science and Technology</i> , 2008, 58, 277-284.	1.2	46
28	Nutrient cycles and resource management: implications for the choice of wastewater treatment technology. <i>Water Science and Technology</i> , 2007, 56, 229-237.	1.2	51
29	Identifying the Institutional Decision Process to Introduce Decentralized Sanitation in the City of Kunming (China). <i>Environmental Management</i> , 2007, 39, 648-662.	1.2	12
30	Soft Paths in Wastewater Management – The Pros and Cons of Urine Source Separation. <i>Gaia</i> , 2007, 16, 280-288.	0.3	18
31	Considering User Attitude in Early Development of Environmentally Friendly Technology: A Case Study of NoMix Toilets. <i>Environmental Science &amp; Technology</i> , 2006, 40, 4838-4844.	4.6	34
32	Treatment processes for source-separated urine. <i>Water Research</i> , 2006, 40, 3151-3166.	5.3	426
33	Young users accept NoMix toilets – a questionnaire survey on urine source separating toilets in a college in Switzerland. <i>Water Science and Technology</i> , 2006, 54, 403-412.	1.2	11
34	Fate of major compounds in source-separated urine. <i>Water Science and Technology</i> , 2006, 54, 413-420.	1.2	235
35	Wastewater management in Kunming, China: a stakeholder perspective on measures at the source. <i>Environment and Urbanization</i> , 2006, 18, 353-368.	1.5	19
36	Chemical Nitrite Oxidation in Acid Solutions as a Consequence of Microbial Ammonium Oxidation. <i>Environmental Science &amp; Technology</i> , 2005, 39, 4066-4075.	4.6	57

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37	How to avoid pharmaceuticals in the aquatic environment. <i>Journal of Biotechnology</i> , 2004, 113, 295-304.	1.9	177
38	Combining urine separation with waste design: an analysis using a stochastic model for urine production. <i>Water Research</i> , 2003, 37, 681-689.	5.3	66
39	Urea hydrolysis and precipitation dynamics in a urine-collecting system. <i>Water Research</i> , 2003, 37, 2571-2582.	5.3	353
40	Estimating the precipitation potential in urine-collecting systems. <i>Water Research</i> , 2003, 37, 2667-2677.	5.3	159
41	Peer Reviewed: Re-engineering the toilet for sustainable wastewater management. <i>Environmental Science &amp; Technology</i> , 2001, 35, 192A-197A.	4.6	91
42	Propagation of Waves and Dissolved Compounds in Sewer. <i>Journal of Environmental Engineering, ASCE</i> , 2000, 126, 12-20.	0.7	13
43	Modeling the actors in water supply systems. <i>Water Science and Technology</i> , 1999, 39, 203.	1.2	28
44	The concept of sustainable urban water management. <i>Water Science and Technology</i> , 1997, 35, 3-10.	1.2	133
45	The concept of sustainable urban water management. <i>Water Science and Technology</i> , 1997, 35, 3.	1.2	80
46	Guiding the development of urban drainage systems by sustainability criteria. <i>Water Science and Technology</i> , 1997, 35, 89.	1.2	15
47	Distribution of nitrifying bacteria in a shallow stream. <i>Water Science and Technology</i> , 1997, 36, 161.	1.2	7
48	Separate management of anthropogenic nutrient solutions (human urine). <i>Water Science and Technology</i> , 1996, 34, 87-94.	1.2	260
49	Separate management of anthropogenic nutrient solutions (human urine). <i>Water Science and Technology</i> , 1996, 34, 87.	1.2	135
50	The implementation of biokinetics and conservation principles in. <i>Water Science and Technology</i> , 1995, 31, 257.	1.2	28
51	The implementation of biokinetics and conservation principles in ASIM. <i>Water Science and Technology</i> , 1995, 31, 257-266.	1.2	57
52	Combined reactor and microelectrode measurements in laboratory grown biofilms. <i>Water Research</i> , 1994, 28, 1435-1441.	5.3	16
53	Degradation mechanisms of colloidal organic matter in biofilm reactors. <i>Water Research</i> , 1994, 28, 1443-1452.	5.3	51
54	The potential contribution of urine source separation to the SDG agenda – a review of the progress so far and future development options. <i>Environmental Science: Water Research and Technology</i> , 0, , .	1.2	19