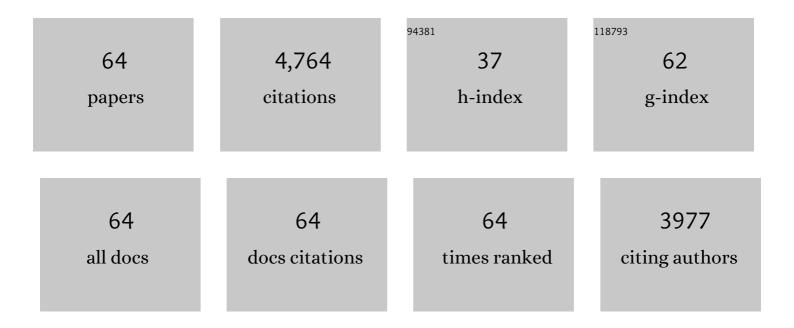
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Towards circular phosphorus: The need of inter- and transdisciplinary research to close the broken cycle. Ambio, 2022, 51, 611-622.	2.8	19
2	Socio-technical analysis of a sanitation innovation in a peri-urban household in Durban, South Africa. Science of the Total Environment, 2021, 755, 143284.	3.9	13
3	Removal of pharmaceuticals from human urine during storage, aerobic biological treatment, and activated carbon adsorption to produce a safe fertilizer. Resources, Conservation and Recycling, 2021, 166, 105341.	5.3	25
4	Qualitative Risk Analysis for Contents of Dry Toilets Used to Produce Novel Recycling Fertilizers. Circular Economy and Sustainability, 2021, 1, 1107-1146.	3.3	8
5	State of the art of urine treatment technologies: A critical review Water Research X, 2021, 13, 100114.	2.8	67
6	Innovation for improved hand hygiene: Field testing the Autarky handwashing station in collaboration with informal settlement residents in Durban, South Africa. Science of the Total Environment, 2021, 796, 149024.	3.9	4
7	On-site urine treatment combining Ca(OH)2 dissolution and dehydration with ambient air. Water Research X, 2021, 13, 100124.	2.8	8
8	Removal of pharmaceuticals from nitrified urine by adsorption on granular activated carbon. Water Research X, 2020, 9, 100057.	2.8	35
9	A Research Agenda for the Future of Urban Water Management: Exploring the Potential of Nongrid, Small-Grid, and Hybrid Solutions. Environmental Science & Technology, 2020, 54, 5312-5322.	4.6	73
10	Electrochemical nitrite sensing for urine nitrification. Water Research X, 2020, 9, 100055.	2.8	6
11	Dynamic Influent Generator for Alternative Wastewater Management with Urine Source Separation. Journal of Sustainable Water in the Built Environment, 2020, 6, 04020001.	0.9	2
12	Practical implementation of true on-site water recycling systems for hand washing and toilet flushing. Water Research X, 2020, 7, 100051.	2.8	14
13	Stabilizing control of a urine nitrification process in the presence of sensor drift. Water Research, 2019, 165, 114958.	5.3	9
14	Membrane stripping enables effective electrochemical ammonia recovery from urine while retaining microorganisms and micropollutants. Water Research, 2019, 150, 349-357.	5.3	54
15	Water soluble phosphate fertilizers for crops grown in calcareous soils – an outdated paradigm for recycled phosphorus fertilizers?. Plant and Soil, 2018, 424, 367-388.	1.8	50
16	Nitrogen cycle microorganisms can be reactivated after Space exposure. Scientific Reports, 2018, 8, 13783.	1.6	16
17	Comparing Ion Exchange Adsorbents for Nitrogen Recovery from Source-Separated Urine. Environmental Science & Technology, 2017, 51, 2373-2381.	4.6	114
18	Growth of <i>Nitrosococcus</i> -Related Ammonia Oxidizing Bacteria Coincides with Extremely Low pH Values in Wastewater with High Ammonia Content. Environmental Science & Technology, 2017, 51, 6857-6866.	4.6	64

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19	Urine diversion dry toilets in eThekwini Municipality, South Africa: acceptance, use and maintenance through users' eyes. Journal of Water Sanitation and Hygiene for Development, 2017, 7, 111-120.	0.7	39
20	Removal rates and energy demand of the electrochemical oxidation of ammonia and organic substances in real stored urine. Environmental Science: Water Research and Technology, 2017, 3, 480-491.	1.2	34
21	Promoting Sanitation in South Africa through Nutrient Recovery from Urine. Gaia, 2016, 25, 194-196.	0.3	3
22	A novel approach for stabilizing fresh urine by calcium hydroxide addition. Water Research, 2016, 95, 361-369.	5.3	137
23	Global parameter optimization for biokinetic modeling of simple batch experiments. Environmental Modelling and Software, 2016, 85, 356-373.	1.9	8
24	Bacteria Inactivation during the Drying of Struvite Fertilizers Produced from Stored Urine. Environmental Science & Technology, 2016, 50, 13013-13023.	4.6	27
25	Operating a pilot-scale nitrification/distillation plant for complete nutrient recovery from urine. Water Science and Technology, 2016, 73, 215-222.	1.2	92
26	Pretreated magnesite as a source of low-cost magnesium for producing struvite from urine in Nepal. Science of the Total Environment, 2016, 542, 1155-1161.	3.9	52
27	Inactivation kinetics and mechanisms of viral and bacterial pathogen surrogates during urine nitrification. Environmental Science: Water Research and Technology, 2015, 1, 65-76.	1.2	13
28	Ammonia as an In Situ Sanitizer: Inactivation Kinetics and Mechanisms of the ssRNA Virus MS2 by NH ₃ . Environmental Science & Technology, 2015, 49, 1060-1067.	4.6	39
29	Direct electrochemical oxidation of ammonia on graphite as a treatment option for stored source-separated urine. Water Research, 2015, 69, 284-294.	5.3	90
30	Plant uptake of phosphorus and nitrogen recycled from synthetic source-separated urine. Ambio, 2015, 44, 217-227.	2.8	81
31	Modeling the low pH limit of Nitrosomonas eutropha in high-strength nitrogen wastewaters. Water Research, 2015, 83, 161-170.	5.3	56
32	Technologies for the treatment of source-separated urine in the eThekwini Municipality. Water S A, 2015, 41, 212.	0.2	65
33	Inhibition of Direct Electrolytic Ammonia Oxidation Due to a Change in Local pH. Electrochimica Acta, 2015, 165, 348-355.	2.6	42
34	Observability of anammox activity in single-stage nitritation/anammox reactors using mass balances. Environmental Science: Water Research and Technology, 2015, 1, 523-534.	1.2	5
35	Pathogens and pharmaceuticals in source-separated urine in eThekwini, South Africa. Water Research, 2015, 85, 57-65.	5.3	81
36	Formation of Chlorination Byproducts and Their Emission Pathways in Chlorine Mediated Electro-Oxidation of Urine on Active and Nonactive Type Anodes. Environmental Science & Technology, 2015, 49, 11062-11069.	4.6	76

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37	Estimation of nitrite in source-separated nitrified urine with UV spectrophotometry. Water Research, 2015, 85, 244-254.	5.3	33
38	Decision Support for Redesigning Wastewater Treatment Technologies. Environmental Science & Technology, 2014, 48, 12238-12246.	4.6	23
39	Successful application of nitritation/anammox toÂwastewater with elevated organic carbon to ammonia ratios. Water Research, 2014, 49, 316-326.	5.3	250
40	Looking beyond Technology: An Integrated Approach to Water, Sanitation and Hygiene in Low Income Countries. Environmental Science & Technology, 2014, 48, 9965-9970.	4.6	49
41	Electrochemical Treatment of Urine. , 2014, , 654-658.		0
42	Struvite precipitation from urine with electrochemical magnesium dosage. Water Research, 2013, 47, 289-299.	5.3	161
43	Source Separation and Decentralization for Wastewater Management. , 2013, , .		111
44	Nitric oxide and nitrous oxide turnover in natural and engineered microbial communities: biological pathways, chemical reactions, and novel technologies. Frontiers in Microbiology, 2012, 3, 372.	1.5	241
45	Effects of carbonate on the electrolytic removal of ammonia and urea from urine with thermally prepared IrO2 electrodes. Journal of Applied Electrochemistry, 2012, 42, 787-795.	1.5	70
46	Temperature Dependence and Interferences of NO and N ₂ O Microelectrodes Used in Wastewater Treatment. Environmental Science & Technology, 2012, 46, 2257-2266.	4.6	17
47	Complete nutrient recovery from source-separated urine by nitrification and distillation. Water Research, 2012, 46, 453-464.	5.3	234
48	Wood ash as a magnesium source for phosphorus recovery from source-separated urine. Science of the Total Environment, 2012, 419, 68-75.	3.9	103
49	Low-cost struvite production using source-separated urine inÂNepal. Water Research, 2011, 45, 852-862.	5.3	303
50	Fate of the pathogen indicators phage ΦX174 and Ascaris suum eggs during the production of struvite fertilizer from source-separated urine. Water Research, 2011, 45, 4960-4972.	5.3	66
51	Electrochemical oxidation of ammonia (NH4+/NH3) on thermally and electrochemically prepared IrO2 electrodes. Electrochimica Acta, 2011, 56, 1361-1365.	2.6	71
52	Regime Shift and Microbial Dynamics in a Sequencing Batch Reactor for Nitrification and Anammox Treatment of Urine. Applied and Environmental Microbiology, 2011, 77, 5897-5907.	1.4	75
53	Electrochemical behavior of ammonia at Ni/Ni(OH)2 electrode. Electrochemistry Communications, 2010, 12, 18-21.	2.3	125
54	Ammonia oxidation to nitrogen mediated by electrogenerated active chlorine on Ti/PtOx-IrO2. Electrochemistry Communications, 2010, 12, 1203-1205.	2.3	88

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55	Direct and mediated electrochemical oxidation of ammonia on boron-doped diamond electrode. Electrochemistry Communications, 2010, 12, 1714-1717.	2.3	155
56	Electrochemical behaviour of ammonia (NH4+/NH3) on electrochemically grown anodic iridium oxide film (AIROF) electrode. Electrochemistry Communications, 2009, 11, 1590-1592.	2.3	15
57	Vertical distribution of microbial lipids and functional genes in chemically distinct layers of a highly polluted meromictic lake. Organic Geochemistry, 2008, 39, 1572-1588.	0.9	30
58	Combining biocatalyzed electrolysis with anaerobic digestion. Water Science and Technology, 2008, 57, 575-579.	1.2	122
59	Effect of heterotrophic growth on nitritation/anammox in a single sequencing batch reactor. Water Science and Technology, 2008, 58, 277-284.	1.2	46
60	Nutrient cycles and resource management: implications for the choice of wastewater treatment technology. Water Science and Technology, 2007, 56, 229-237.	1.2	51
61	Fate of major compounds in source-separated urine. Water Science and Technology, 2006, 54, 413-420.	1.2	235
62	Chemical Nitrite Oxidation in Acid Solutions as a Consequence of Microbial Ammonium Oxidation. Environmental Science & Technology, 2005, 39, 4066-4075.	4.6	57
63	Urea hydrolysis and precipitation dynamics in a urine-collecting system. Water Research, 2003, 37, 2571-2582.	5.3	353
64	Estimating the precipitation potential in urine-collecting systems. Water Research, 2003, 37, 2667-2677.	5.3	159