

TEXT S1. Specific literatures in Fig. 2.

2016

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2. Tun, L.L., et al., Dewatering of source-separated human urine for nitrogen recovery by membrane distillation. *Journal of Membrane Science*, 2016. 512: p. 13-20.
3. Liu, Q., et al., Integrated forward osmosis-membrane distillation process for human urine treatment. *Water Research*, 2016. 91: p. 45-54.

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1. Benedicte, et al., Estimation of Water Flux and Solute Movement during the Concentration Process of Hydrolysed Urine by Forward Osmosis. *Journal of Water and Environment Technology*, 2017. 15(5): p. 163-173.
2. Yao, S., et al., On-site nutrient recovery and removal from source-separated urine by phosphorus precipitation and short-cut nitrification-denitrification. *Chemosphere*, 2017. 175: p. 210-218.
3. Wang, Y.K., et al., In situ utilization of generated electricity for nutrient recovery in urine treatment using a selective electro dialysis membrane bioreactor. *Chemical Engineering Science*, 2017. 171: p. 451-458.

2018

1. Volpin, F., et al., Simultaneous phosphorous and nitrogen recovery from source-separated urine: A novel application for fertiliser drawn forward

osmosis. *Chemosphere*, 2018. 203: p. 482-489.

2. Khumalo, N., et al., Water recovery from hydrolysed human urine samples via direct contact membrane distillation using PVDF/PTFE membrane. *Separation & Purification Technology*, 2018. 211: p. 610-617.
3. Tarpeh, W.A., et al., Electrochemical Stripping to Recover Nitrogen from Source-Separated Urine. *Environmental science & technology*, 2018. 52(3): p. 1453-1460.
4. Volpin, F., et al., Optimisation of a forward osmosis and membrane distillation hybrid system for the treatment of source-separated urine. *Separation & Purification Technology*, 2018. 212: p. 368-375.
5. Jolien, D.P., et al., Refinery and concentration of nutrients from urine with electrodialysis enabled by upstream precipitation and nitrification. *Water Research*, 2018. 144.

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3. Xu, K., et al., Water Reduction and Nutrient Reconcentration of Hydrolyzed Urine via Direct-Contact Membrane Distillation: Ammonia

Loss and Its Control. *Journal of Environmental Engineering*, 2019. 145(3).

4. Ray, H., F. Perreault, and T.H. Boyer, Urea recovery from fresh human urine by forward osmosis and membrane distillation (FO–MD). *Environmental Science: Water Research & Technology*, 2019. 5(11): p. 1993-2003.

5. Davey, C.J., et al., Hybrid membrane distillation reverse electro dialysis configuration for water and energy recovery from human urine: An opportunity for off-grid decentralised sanitation. *Journal of Membrane Science*, 2019. 584: p. 343-352.

2020

1. Ray, H., F. Perreault, and T.H. Boyer, Ammonia Recovery from Hydrolyzed Human Urine by Forward Osmosis with Acidified Draw Solution. *Environmental science & technology*, 2020. 54(18): p. 11556-11565.

2. Engelhardt, S., et al., Assessment of urea hydrolysis as a pretreatment strategy to improve total nitrogen rejection from urine using aquaporin-based membranes in forward osmosis. *Journal of Water Process Engineering*, 2020. 34.

3. Engelhardt, S., et al., Urine volume reduction during long-duration cave exploration by a light-weight and portable forward osmosis system. *International Journal of Speleology*, 2020. 49(3): p. 229-234.

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5. Ray, H., F. Perreault, and T.H. Boyer, Rejection of nitrogen species in real fresh and hydrolyzed human urine by reverse osmosis and nanofiltration. *Journal of Environmental Chemical Engineering*, 2020. 8(4): p. 103993.

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8. Volpin, F., et al., Sanitation and dewatering of human urine via membrane bioreactor and membrane distillation and its reuse for fertigation. *Journal of Cleaner Production*, 2020. 270: p. 122390.

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