

Drinking Water Treatment Publications

Abulikemu, G., D. Wahman, G. Sorial, M. Nadagouda, E. Stebel, E. Womack, S. Smith, E. Kleiner, B. Gray, R. Taylor, C. Gastaldo, and J. Pressman. Role of Grinding Method on Granular Activated Carbon Characteristics. *Carbon Trends*. 11:100261, (2023). <https://doi.org/10.1016/j.cartre.2023.100261>

Smith, S., D. Wahman, E. Kleiner, G. Abulikemu, E. Stebel, B. Gray, B. Datsov, B. Crone, R. Taylor, E. Womack, C. Gastaldo, G. Sorial, D. Lytle, J. Pressman, and L. Haupert. Anion Exchange Resin and Inorganic Anion Parameter Determination for Model Validation and Evaluation of Unintended Consequences during PFAS Treatment. *ACS ES&T Water*. 3(2):576-587, (2023).
<https://doi.org/10.1021/acsestwater.2c00572>

Verma, S., B. Mezgebe, E. Sahle-Demessie, and M. Nadagouda. Photooxidative Decomposition and Defluorination of Perfluorooctanoic Acid (PFOA) Using an Innovative Technology of UV-vis/ZnxCu1-xFe2O4/Oxalic Acid. *Chemosphere*. 280:130660, (2021).
<https://doi.org/10.1016/j.chemosphere.2021.130660>

Burkhardt, J., A. Cadwallader, J. Pressman, M. Magnuson, A. Williams, G. Sinclair, and T. Speth. Polanyi Adsorption Potential Theory for Estimating PFAS Treatment with Granular Activated Carbon. *Journal of Water Process Engineering*. 53:103691, (2023). <https://doi.org/10.1016/j.jwpe.2023.103691>

Haupert, L., A. Redding, M. Gray, J. Civardi, B. Datsov, T. Sanan, M. Mills, T. Speth, and J. Burkhardt. Impact of Phosphate Addition on PFAS Treatment Performance for Drinking Water. *AWWA Water Science*. 5(6):e1361, (2023). <https://doi.org/10.1002/aws2.1361>

Nadagouda, M., and T. Lee. Cross-Flow Treatment of PFAS in Water: Materials Challenges and Potential Solutions. *Accounts of Materials Research*. 2(3):129-133, (2021).
<https://doi.org/10.1021/accountsrmr.0c00106>

Tow, E., M. Ersan, S. Kum, T. Lee, T. Speth, C. Owen, C. Bellona, M. Nadagouda, A. Mikelonis, P. Westerhoff, C. Mysore, V. Frenkel, V. deSilva, S. Walker, A. Safulko, and D. Ladner. Managing and Treating Per- and Polyfluoroalkyl Substances (PFAS) in Membrane Concentrates. *AWWA Water Science*. 3(5):e1233, (2021). <https://doi.org/10.1002/aws2.1233>

Mukherjee, P., K. Sathiyan, T. Zidki, M. Nadagouda, and V. K. Sharma. Electrochemical Degradation of Per- and Polyfluoroalkyl Substances in the Presence of Natural Organic Matter. *Separation and Purification Technology*. 325:124639, (2023). <https://doi.org/10.1016/j.seppur.2023.124639>

Wahman, D., S. Smith, E. Kleiner, G. Abulikemu, E. Stebel, B. Gray, B. Crone, R. Taylor, E. Womack, C. Gastaldo, T. Sanan, J. Pressman, and L. Haupert. Strong Base Anion Exchange Selectivity of Nine Perfluoroalkyl Chemicals Relevant to Drinking Water. *Environmental Science & Technology*. (2023).
<https://doi.org/10.1021/acsestwater.3c00396>