Stanford

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Ph.D. Student in Civil and Environmental Engineering, admitted Autumn 2022

Publications

PUBLICATIONS

- **Probing the Mechanism of Selective Phosphate Adsorption from Wastewater Using Aqueous and Synchrotron X-ray Characterization.** *Journal of the American Chemical Society*
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- **Integrating adsorbents and electrochemistry to advance selective wastewater phosphate separations** *CURRENT OPINION IN CHEMICAL ENGINEERING*
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- **Toward a circular nitrogen bioeconomy: integrating nitrogen bioconcentration, separations, and high-value products for nitrogen recovery.** *Current opinion in biotechnology*
  Apraku, E., Farmer, M., Lavallais, C., Soriano, D. A., Notestein, J., Tyo, K., Dunn, J., Tarpeh, W. A., Wells, G. F.
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- **Enhancing Resource Recovery through Electro-Assisted Regeneration of an Ammonia-Selective Cation Exchange Resin** *ACS ES&T WATER*
  Apraku, E., Laguna, C. M., Wood, R. M., Sharma, N., Dong, H., Tarpeh, W. A.
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- **Ligand Exchange Adsorbents for Selective Phosphate and Total Ammonia Nitrogen Recovery from Wastewaters** *ACCOUNTS OF MATERIALS RESEARCH*
  Clark, B., Sharma, N., Apraku, E., Dong, H., Tarpeh, W. A.
  2024