# William A Tarpeh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3808435/publications.pdf

Version: 2024-02-01

| 30 | 957 | 430843 | 501174 |
|---|---|---|---|
| papers | citations | 18 h-index | 28 g-index |

| 32 | 32 | 32 | 895 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Application of plasma for the removal of pharmaceuticals in synthetic urine. Environmental Science: Water Research and Technology, 2022, 8, 523-533. | 2.4 | 5 |
| 2 | Quantifying and Characterizing Sulfide Oxidation to Inform Operation of Electrochemical Sulfur Recovery from Wastewater. ACS ES&T Engineering, 2022, 2, 807-818. | 7.6 | 7 |
| 3 | Resin-Mediated pH Control of Metal-Loaded Ligand Exchangers for Selective Nitrogen Recovery from Wastewaters. ACS Applied Materials & Interfaces, 2022, 14, 22950-22964. | 8.0 | 10 |
| 4 | Catalytic Performance and Near-Surface X-ray Characterization of Titanium Hydride Electrodes for the Electrochemical Nitrate Reduction Reaction. Journal of the American Chemical Society, 2022, 144, 5739-5744. | 13.7 | 31 |
| 5 | Diurnal Variability of SARS-CoV-2 RNA Concentrations in Hourly Grab Samples of Wastewater Influent during Low COVID-19 Incidence. ACS ES&T Water, 2022, 2, 2125-2133. | 4.6 | 8 |
| 6 | Advanced ion transfer materials in electro-driven membrane processes for sustainable ion-resource extraction and recovery. Progress in Materials Science, 2022, 128, 100958. | 32.8 | 36 |
| 7 | Taking Earthâ€™s Pulse with Low-Cost Sensors. ACS Sensors, 2022, 7, 1613-1613. | 7.8 | 0 |
| 8 | Recovery of Clean Water and Ammonia from Domestic Wastewater: Impacts on Embodied Energy and Greenhouse Gas Emissions. Environmental Science & Technology, 2022, 56, 8712-8721. | 10.0 | 17 |
| 9 | The role of intraparticle diffusion path length during electro-assisted regeneration of ion exchange resins: Implications for selective adsorbent design and reverse osmosis pretreatment. Chemical Engineering Journal, 2021, 407, 127821. | 12.7 | 21 |
| 10 | Systematic Evaluation of Emerging Wastewater Nutrient Removal and Recovery Technologies to Inform Practice and Advance Resource Efficiency. ACS ES&T Engineering, 2021, 1, 662-684. | 7.6 | 29 |
| 11 | An Evolving Insight into Metal Organic Framework-Functionalized Membranes for Water and Wastewater Treatment and Resource Recovery. Industrial & Engineering Chemistry Research, 2021, 60, 6869-6907. | 3.7 | 45 |
| 12 | Selective aqueous ammonia sensors using electrochemical stripping and capacitive detection. AICHE Journal, 2021, 67, e17465. | 3.6 | 4 |
| 13 | Making wastewater obsolete: Selective separations to enable circular water treatment. Environmental Science and Ecotechnology, 2021, 5, 100078. | 13.5 | 35 |
| 14 | Building an operational framework for selective nitrogen recovery via electrochemical stripping. Water Research, 2020, 169, 115226. | 11.3 | 35 |
| 15 | Electro-assisted regeneration of pH-sensitive ion exchangers for sustainable phosphate removal and recovery. Water Research, 2020, 184, 116167. | 11.3 | 58 |
| 16 | Validation and Mechanism of a Low-Cost Graphite Carbon Electrode for Electrochemical Brine Valorization. ACS Sustainable Chemistry and Engineering, 2020, 8, 8648-8654. | 6.7 | 6 |
| 17 | Process design tools and techno-economic analysis for capacitive deionization. Water Research, 2020, 183, 116034. | 11.3 | 21 |
| 18 | Selective Recovery of Ammonia Nitrogen from Wastewaters with Transition Metalâ€Loaded Polymeric Cation Exchange Adsorbents. Chemistry - A European Journal, 2020, 26, 10099-10112. | 3.3 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Novel two-chamber tubular microbial desalination cell for bioelectricity production, wastewater treatment and desalination with a focus on self-generated pH control. Desalination, 2020, 481, 114358. | 8.2 | 57 |
| 20 | Sanitation for Low-Income Regions: A Cross-Disciplinary Review. Annual Review of Environment and Resources, 2019, 44, 287-318. | 13.4 | 22 |
| 21 | Selective Hydrogenation of Furfural in a Proton Exchange Membrane Reactor Using Hybrid Pd/Pd Black on Alumina. ChemElectroChem, 2019, 6, 5563-5570. | 3.4 | 15 |
| 22 | Selective Hydrogenation of Furfural in a Proton Exchange Membrane Reactor Using Hybrid Pd/Pd Black on Alumina. ChemElectroChem, 2019, 6, 5523-5523. | 3.4 | 0 |
| 23 | Electrochemical Stripping to Recover Nitrogen from Source-Separated Urine. Environmental Science & Technology, 2018, 52, 1453-1460. | 10.0 | 182 |
| 24 | Effects of operating and design parameters on ion exchange columns for nutrient recovery from urine. Environmental Science: Water Research and Technology, 2018, 4, 828-838. | 2.4 | 19 |
| 25 | Quantitative Evaluation of an Integrated System for Valorization of Wastewater Algae as Bio-oil, Fuel Gas, and Fertilizer Products. Environmental Science & Technology, 2018, 52, 12717-12727. | 10.0 | 33 |
| 26 | Evaluating ion exchange for nitrogen recovery from source-separated urine in Nairobi, Kenya. Development Engineering, 2018, 3, 188-195. | 1.8 | 31 |
| 27 | Comparing Ion Exchange Adsorbents for Nitrogen Recovery from Source-Separated Urine. Environmental Science & Technology, 2017, 51, 2373-2381. | 10.0 | 114 |
| 28 | Life-Cycle Cost and Environmental Assessment of Decentralized Nitrogen Recovery Using Ion Exchange from Source-Separated Urine through Spatial Modeling. Environmental Science & Technology, 2017, 51, 12061-12071. | 10.0 | 71 |
| 29 | The sanitation and urban agriculture nexus: urine collection and application as fertilizer in SÃ£o Paulo, Brazil. Journal of Water Sanitation and Hygiene for Development, 2017, 7, 455-465. | 1.8 | 20 |
| 30 | Household Ion Exchange Cartridges for Nitrogen Recovery from Urine. Proceedings of the Water Environment Federation, 2017, 2017, 4303-4309. | 0.0 | 0 |