

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
papers

957
citations

430874

18
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

895
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 Earth'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 Metal-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. <i>Desalination</i> , 2020, 481, 114358.	8.2	57
20	Sanitation for Low-Income Regions: A Cross-Disciplinary Review. <i>Annual Review of Environment and Resources</i> , 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. <i>ChemElectroChem</i> , 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. <i>ChemElectroChem</i> , 2019, 6, 5523-5523.	3.4	0
23	Electrochemical Stripping to Recover Nitrogen from Source-Separated Urine. <i>Environmental Science & Technology</i> , 2018, 52, 1453-1460.	10.0	182
24	Effects of operating and design parameters on ion exchange columns for nutrient recovery from urine. <i>Environmental Science: Water Research and Technology</i> , 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. <i>Environmental Science & Technology</i> , 2018, 52, 12717-12727.	10.0	33
26	Evaluating ion exchange for nitrogen recovery from source-separated urine in Nairobi, Kenya. <i>Development Engineering</i> , 2018, 3, 188-195.	1.8	31
27	Comparing Ion Exchange Adsorbents for Nitrogen Recovery from Source-Separated Urine. <i>Environmental Science & Technology</i> , 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. <i>Environmental Science & Technology</i> , 2017, 51, 12061-12071.	10.0	71
29	The sanitation and urban agriculture nexus: urine collection and application as fertilizer in São Paulo, Brazil. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2017, 7, 455-465.	1.8	20
30	Household Ion Exchange Cartridges for Nitrogen Recovery from Urine. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 4303-4309.	0.0	0