**ABUL HUSSAM Nov 20, 2024**

**Please update my profile with following updates**

**Selected Publications**

1. Joan Rozario and Abul Hussam\*. *A method to determine arsenic concentration in drinking water based on proton gradient and conductance measurements in filter paper media.* J. Appl. Phys. 134, 204901 **(2023**); doi: 10.1063/5.0175988.
2. Brittany Rapp and Abul Hussam\*. *Sensing and simulation of self-inductance of a flat, circular coil in the presence of four water-based nanofluids*. J. Appl. Phys. 133, 134302 (**2023**); <https://doi.org/10.1063/5.0138903>
3. Ume Tahir,\* Abul Hussam,\* Pritha Roy, and Irina Hashmi. *Noncovalent Association and Partitioning of Some Perfume Components at Infinite Dilution with Myelin Basic Protein Pseudophase in Normal Saline*. Langmuir. 37, 16, 4793–4801 (**2021)**. <https://doi.org/10.1021/acs.langmuir.0c03475>
4. Carol A. Ajjan\*, Abul Hussam\*, and Greg Foster. *The Binding of Ciprofloxacin with Perfluorooctanesulfonic Acid (PFOS): Fluorescence and pH Studies.* in Ahuja and Loganathan; Contaminants in Our Water: Identification and Remediation Methods, ACS Symposium Series; American Chemical Society. Chapter 8, pp 143-166, **2020**.
5. Abul Hussam and Jinsoo Hong\*. *A novel field deployable filter paper based amperometric gas sensor for the measurement of arsenic in water.* Journal of Electroanalytical Chemistry. 758, 156-162 (**2015**).
6. [Mahmoud D. Eljack](http://www.sciencedirect.com/science/article/pii/S0021967315000679), [Rachael E. Wilson](http://www.sciencedirect.com/science/article/pii/S0021967315000679), [Abul Hussam](http://www.sciencedirect.com/science/article/pii/S0021967315000679)**\*,** [Shahamat U. Khan](http://www.sciencedirect.com/science/article/pii/S0021967315000679)**.,** *Development of an Equilibrium Headspace Gas Chromatographic Method for the Measurement of Noncovalent Association and Partitioning of n-Alkylbenzenes at Infinite Dilution in Fulvic Acid Pseudophase***.** [Journal of Chromatography A](http://www.sciencedirect.com/science/journal/00219673).,1383, 1-7 (**2015**).

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