

PATENTS and PUBLICATIONS**B. PUBLICATIONS:****II. Papers in Peer-Reviewed Scientific Journals:**

56. Dawoud, A., Mia, R., Motchaalangaram, J. A., Miao, W. & Wallace, K. J. Toward Remote Detection of Chemical Warfare Simulants Using a Miniature Potentiostat. *Micro*, 4, 49-60 (2024).
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54. Dawoud, A., Mia, R., Biswakarma, A., Motchaalangaram, J. A., Miao, W. & Wallace, K. Embedded Electrochemistry with a Miniaturized, Drone-Based, Potentiostat System for Remote Detection Chemical Warfare Agents. *Int. J. Aerosp. Mech. Eng.* 16, 112-115 (2022).
53. Tang, K., Turner, C.#, Case, L., Mehrehjedy, A. #, He, X., Miao, W. & Guo, S. Organic Electrochemical Transistor with Molecularly Imprinted Polymer-Modified Gate for the Real-Time Selective Detection of Dopamine. *ACS Appl. Polym. Mater.* 4, 2337-2345 (2022).
52. Tang, K., Miao, W. & Guo, S. Crosslinked Pedot:Pss Organic Electrochemical Transistors on Interdigitated Electrodes with Improved Stability. *ACS Appl. Polym. Mater.* 3, 1436-1444 (2021).
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46. Lu, L., Wang, J., Miao, W., Wang, X. & Guo, G. Electrogenerated Chemiluminescence Biosensor with a Tripod Probe for the Highly Sensitive Detection of MicroRNA. *Anal. Chem.* 91, 1452-1459 (2019).
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38. Lu, L., Guo, L., Li, M., Kang, T., Cheng, S. & Miao, W. Investigation of Perfluorooctanoic Acid Induced DNA Damage Using Electrogenerated Chemiluminescence Associated with Charge Transfer in DNA. *Anal. Bioanal. Chem.* 408, 7137-7145 (2016) (Invited contribution for the topical issue of Analytical Electrochemiluminescence: State of the Art and Perspectives).
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