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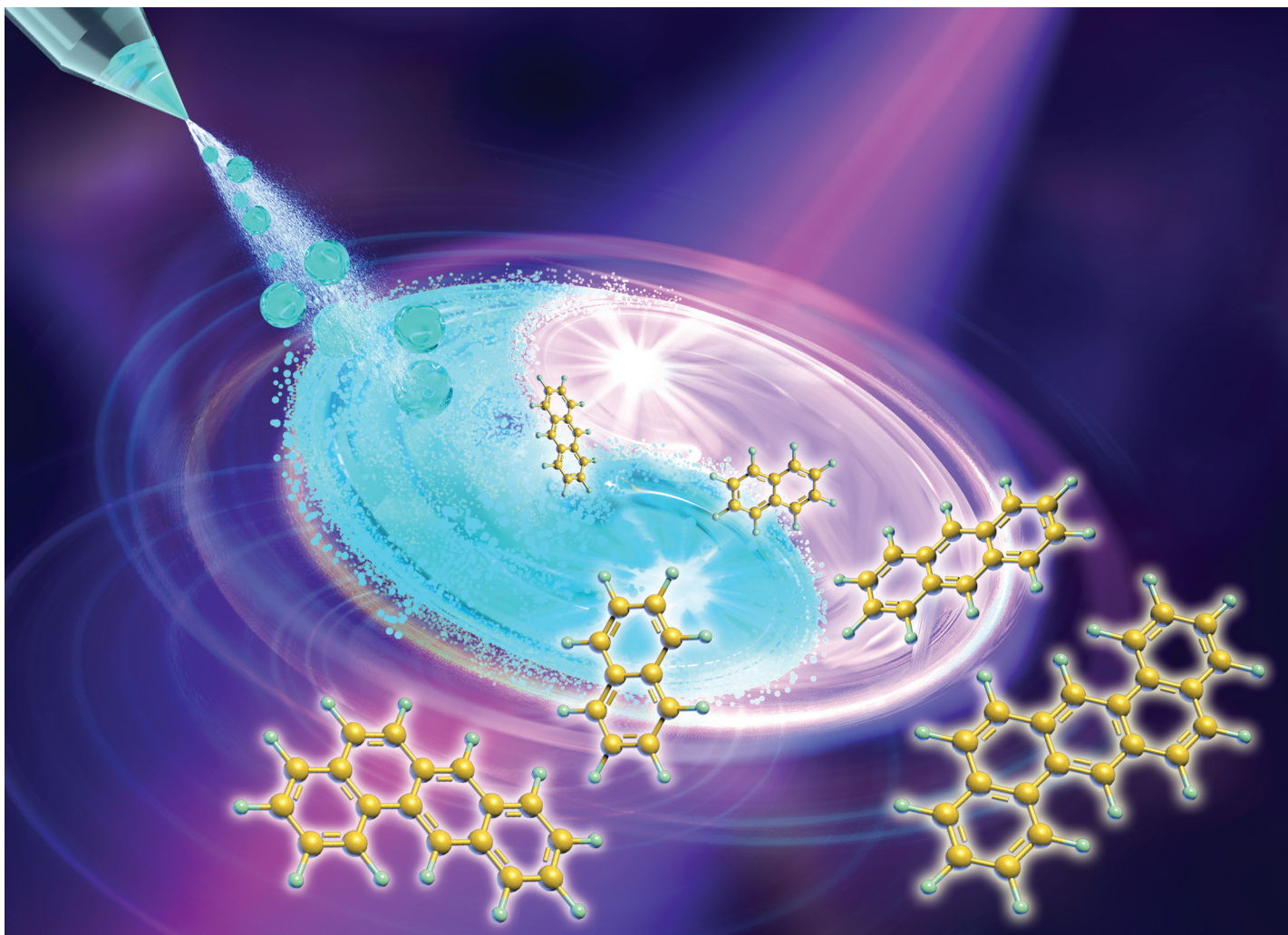
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Showcasing research on an innovatively binary ion source from Professor Fang's laboratory, Technology Innovation Center of Mass Spectrometry for State Market Regulation, Center for Advanced Measurement Science, National Institute of Metrology, Beijing, China.

Nanoliter atmospheric pressure photoionization-mass spectrometry for direct bioanalysis of polycyclic aromatic hydrocarbons

A pioneering nanoliter atmospheric pressure photoionization (nano-APPI) source was developed and utilized for direct analysis of polycyclic aromatic hydrocarbons (PAHs) in biological samples. By integrating the advantages of nano-electrospray ionization (nano-ESI) and atmospheric pressure photoionization (APPI), the newly designed nano-APPI source attained high sensitivity for the analysis of PAHs down to femtomole level.

As featured in:



See Siyuan Tan, Xiaoyun Gong, Xiang Fang *et al.*, *Analyst*, 2023, **148**, 3730.