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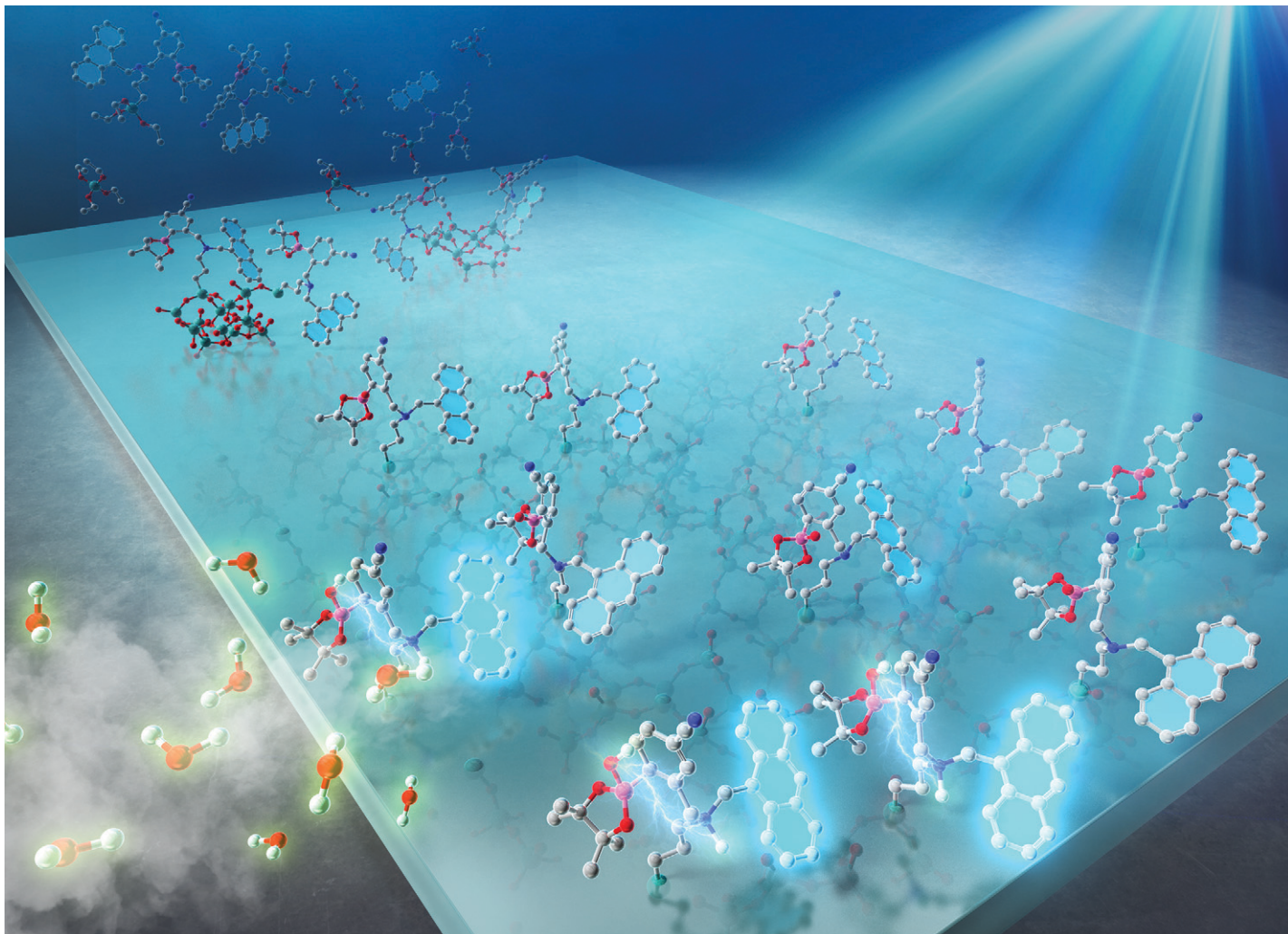
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**Showcasing research from Professor Yousuke Ooyama's Functional Dye Chemistry laboratory, Applied Chemistry Program, Graduate School of Advanced Science and Engineering, Hiroshima University, Japan.**

Anthracene-(aminomethyl)phenylboronic acid ester-immobilized glass substrate as fluorescent sensing materials based on photo-induced electron transfer for detection and visualization of water

We propose that a photo-induced electron transfer (PET)-type fluorescent sensor-immobilized glass substrate is a reversible and reusable functional dye material possessing excellent durability based on a fluorescence off-on switching system not only for visualization and detection of moisture and water droplets but also for constructing fast-response and robust humidity systems, which are widely used in medical, pharmaceutical, cosmetic and industrial fields, as well as for food inspection, environmental quality control monitoring and so on.

**As featured in:**



See Yousuke Ooyama *et al.*,  
*Sens. Diagn.*, 2024, **3**, 631.