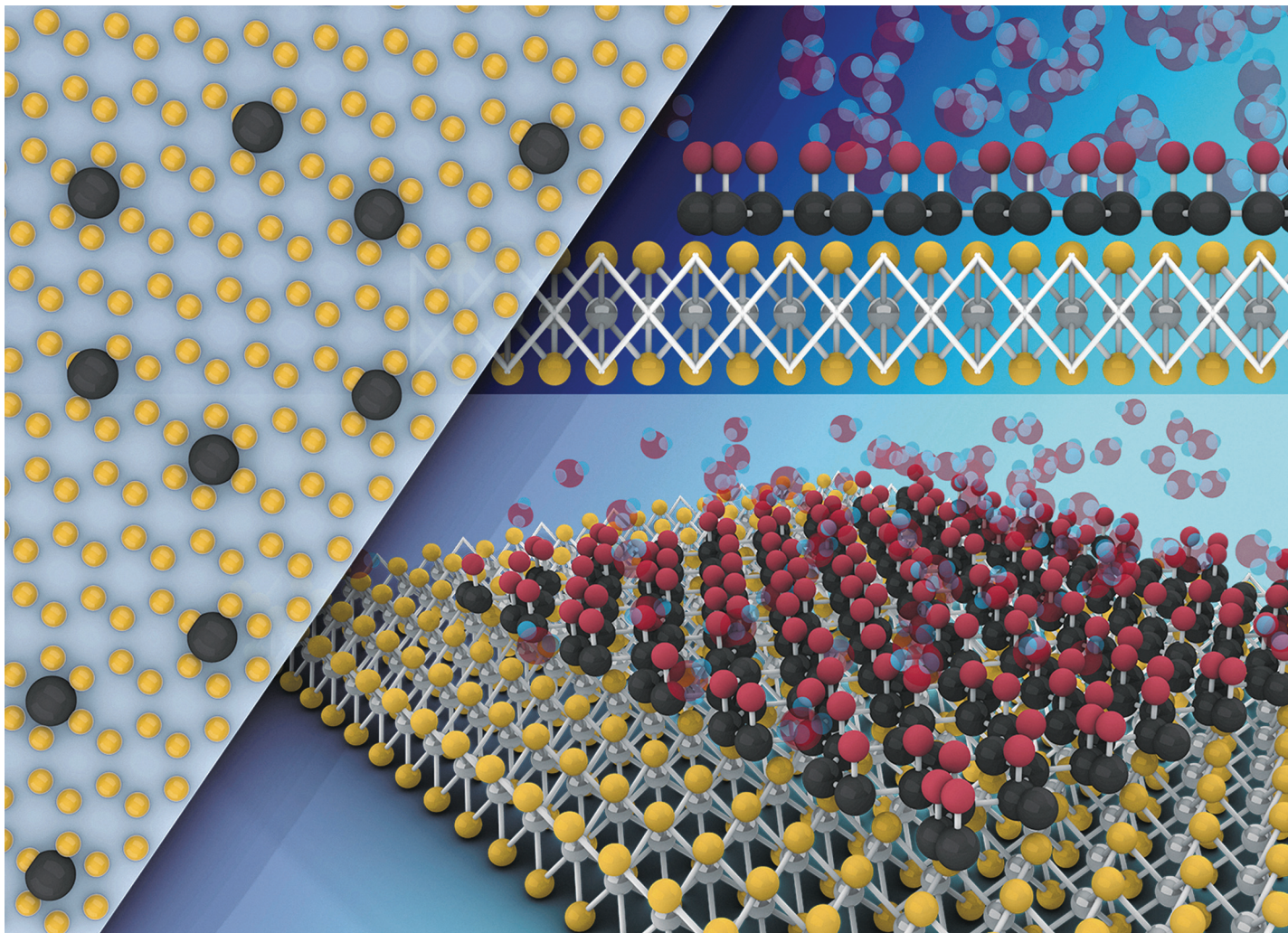


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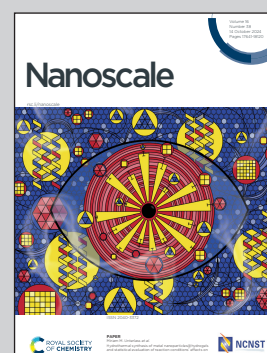


Showcasing work from the group of Professor Xuge Fan at the Beijing Institute of Technology, China.

A fast response and highly sensitive flexible humidity sensor based on a nanocomposite film of MoS₂ and graphene oxide

A flexible humidity sensor based on MoS₂/GO composite was realized by using the 0.05 mL dispersion with the MoS₂/GO volume ratio of 5 : 1, featuring high responsivity of 98%, fast response/recovery time (1.3/12.1 s), and excellent stability and linearity, which was applied for human respiration detection and fingertip proximity detection.

As featured in:



See Jie Ding, Wendong Zhang, Xuge Fan *et al.*, *Nanoscale*, 2024, **16**, 17804.