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Probing fine structure and phase change of hybrid materials using THz spectroscopy

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Dr. Jingwei Hou received his Ph.D. degree in School of Chemical Engineering from the University of New South Wales in 2015. He then joined the UNESCO Centre for Membrane Science and Technology (2015-2017) and University of Cambridge (2017-2019, affiliate of the Trinity College) for this post-doctoral research. He moved back to Australia in 2019 as an ARC DECRA Fellow and then ARC Future Fellow in School of Chemical Engineering, University of Queensland. He is currently an Associate Professor. Dr. Jingwei Hou's main research focus is on the design and engineering of membrane processes for water treatment, gas separation and energy-related applications. He also focuses on surface and interfacial engineering technique for nanocomposite membranes like metal organic framework, ionic liquid Janus membrane and biocatalytic membranes.

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