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Recent Progress in Metal-Organic Frameworks for Precaution and Diagnosis of Alzheimer's Disease

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Abstract: Alzheimer's disease (AD) has become an issue of common concern. With the increasing numbers of people with dementia, the precaution and diagnosis of AD is more and more important. Many reports have pointed out that the AD is closely related to four metal ions within human body, including Zn^{2+} , Fe^{3+} , Al^{3+} and Cu^{2+} . On the other hand, magnetic resonance imaging (MRI) plays a key role in the diagnosis of AD. Metal-organic frameworks (MOFs), as one of the well-known inorganic-organic hybrid material, have a promising potential in sensing of AD related ions, as well as MRI

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