



Method To Make Scalable Ultrathin Hexagonally Faceted Metal-Organic Framework (Mof) And Method Of Using Same For Detecting Explosives And Other Nitro-Aromatic Compounds

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The Invention

A method to make metal-organic frameworks (MOFs) in which a first aqueous solution of a transition metal salt is mixed with a second aqueous solution of an imidazole or alkyl-substituted imidazole to yield a product solution containing MOF crystals. The MOF crystals are used to fabricate electrodes for electrochemical detection of nitro-aromatic compounds.

Additional Information

For More Information About the Inventors

- [Sundaram Gunasekaran](#)

Tech Fields

- [Analytical Instrumentation, Methods & Materials : Sensors](#)
- [Clean Technology : Monitoring, remediation & waste reduction](#)
- [Materials & Chemicals : Synthesis](#)

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