

# The development of molecularly imprinted polymers for sensor and colorimetric assay applications

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## **Propositions accompanying the Thesis**

### **The Development of Molecularly Imprinted Polymers for Sensor and Colorimetric Assay Applications**

By

Joseph W. Lowdon

1. The true potential of molecularly imprinted polymers has yet to be realised.
2. Current molecularly imprinted polymer technology is capable of being incorporated into a first generation of commercially available MIP-based sensors.
3. MIP-based displacement assays could hold higher value than other MIP-based sensing platforms.
4. Synthetic affinity reagents will one day be able to outcompete biological affinity reagents.
5. Chemistry is more than molecules.
6. Without imagination chemistry stops advancing.
7. Chemistry is a riddle with multiple right answers.
8. Simpler forms of chemical analysis empower people.