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High-sensitivity flexible iontronic pressure sensor for pulse signal detection and underwater intelligent communication

Key words:

Flexible pressure sensor, Underwater sensing, Iontronic sensor, Machine learning

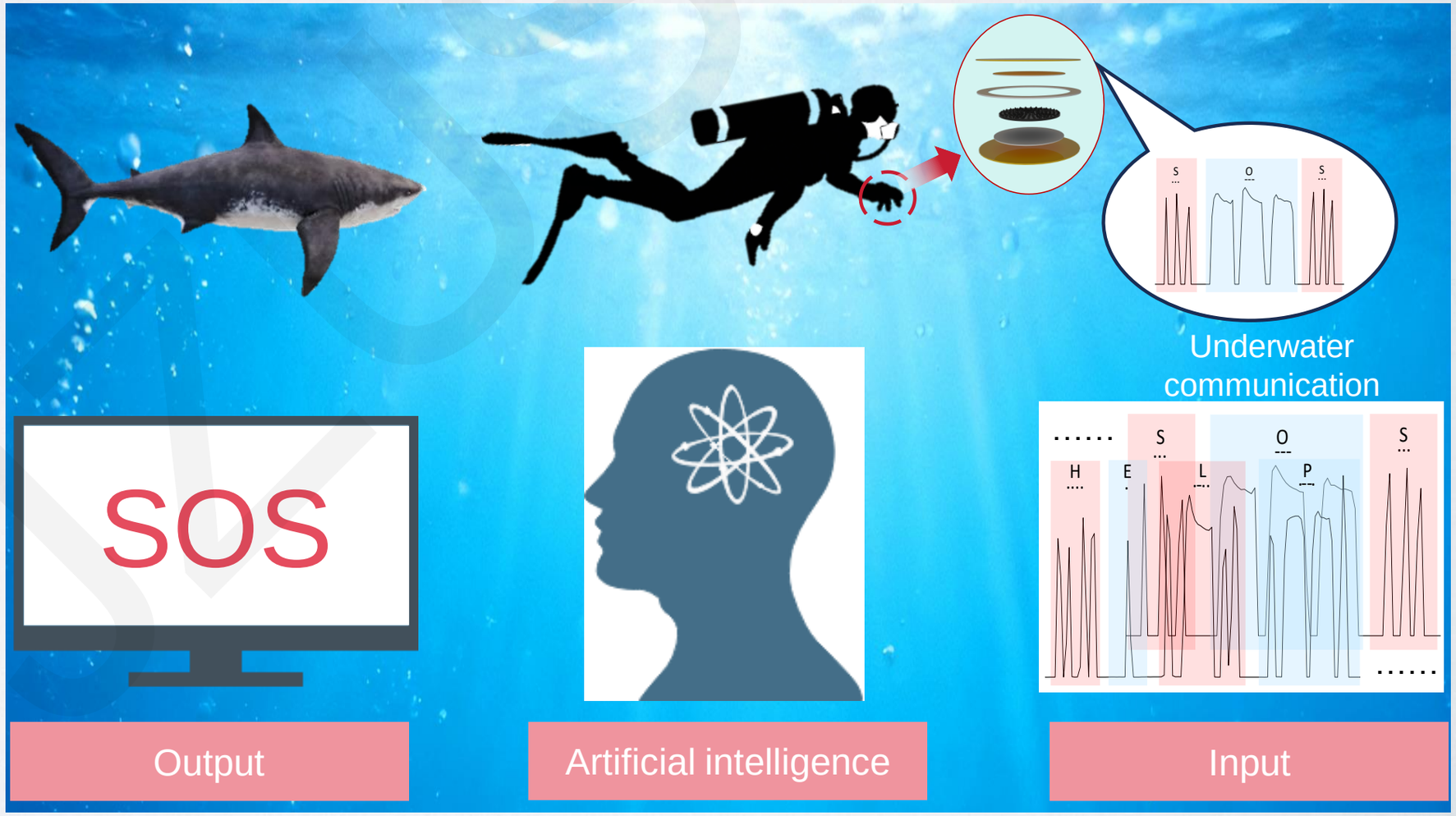
Application

- Pulse signal detection

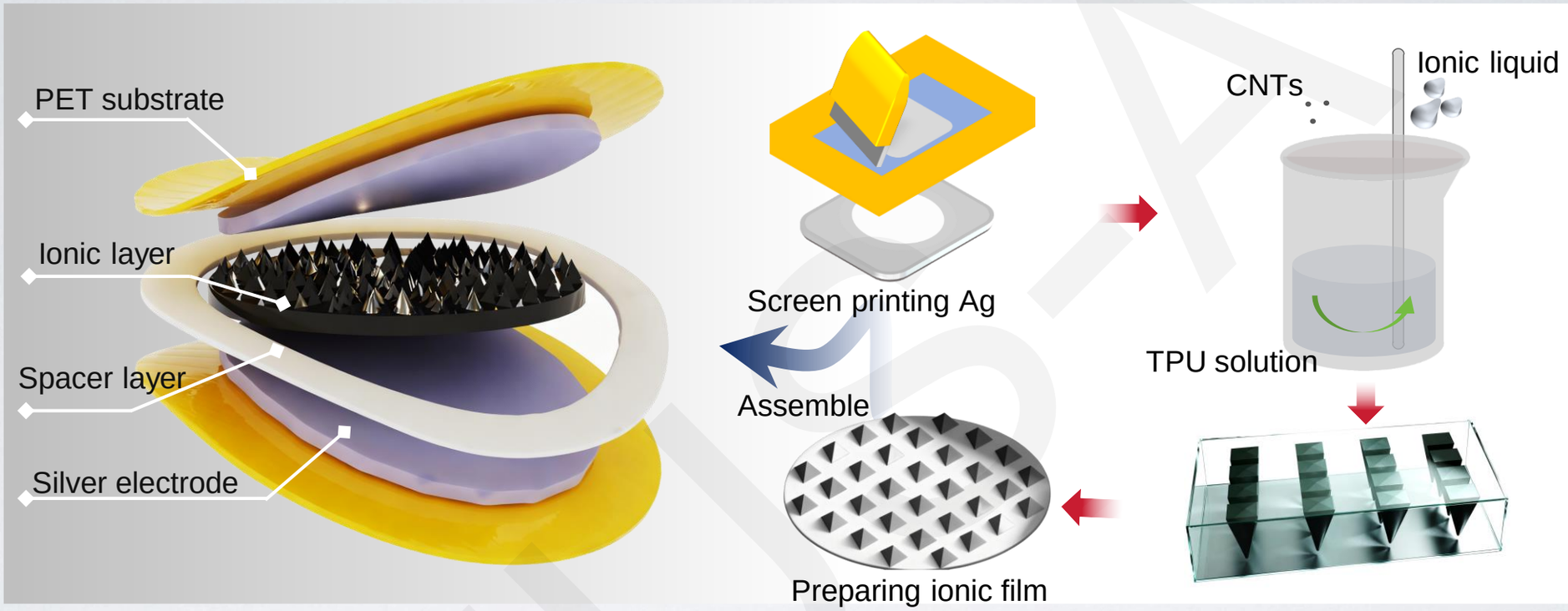




- Underwater intelligent communication

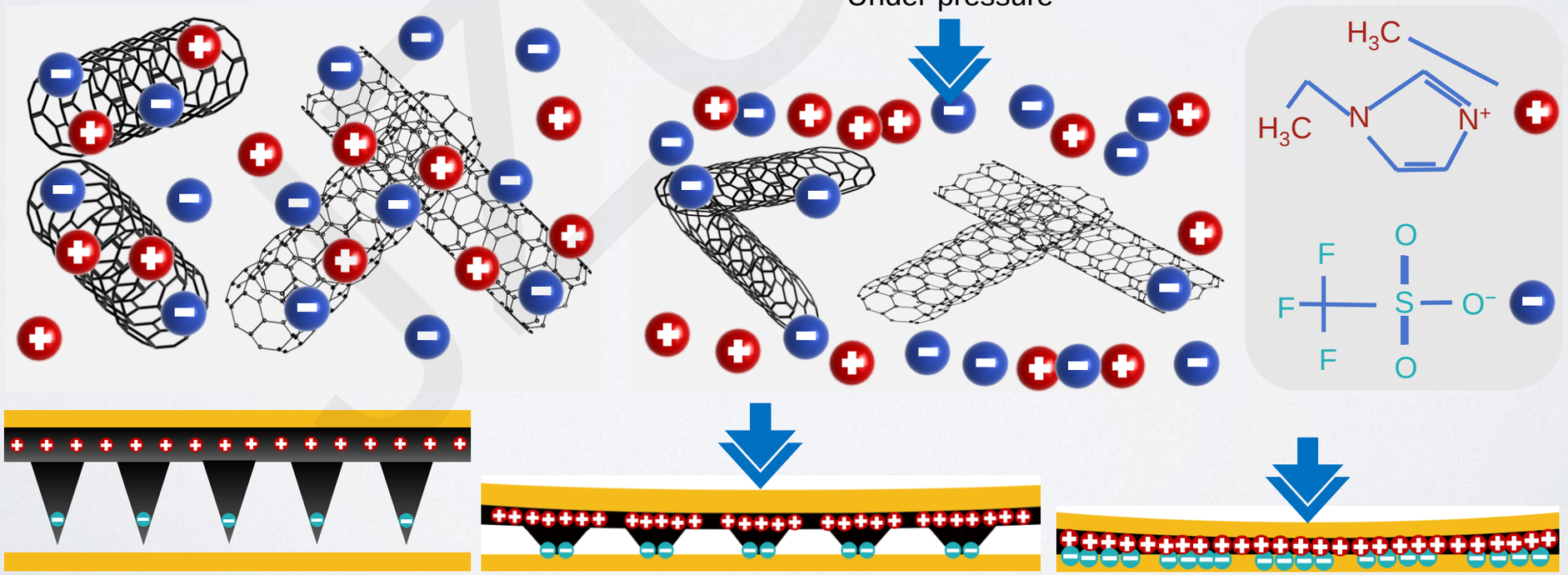


Structure and Mechanism

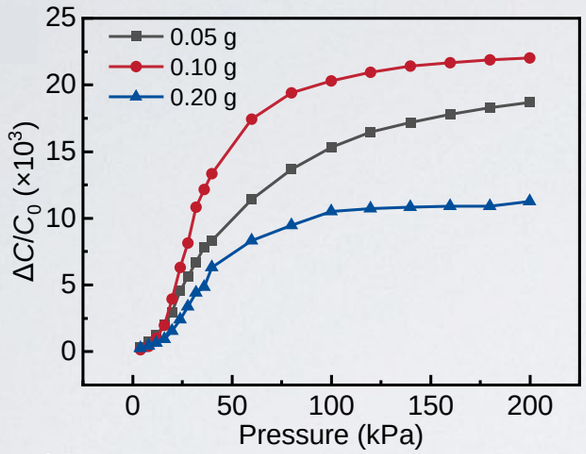


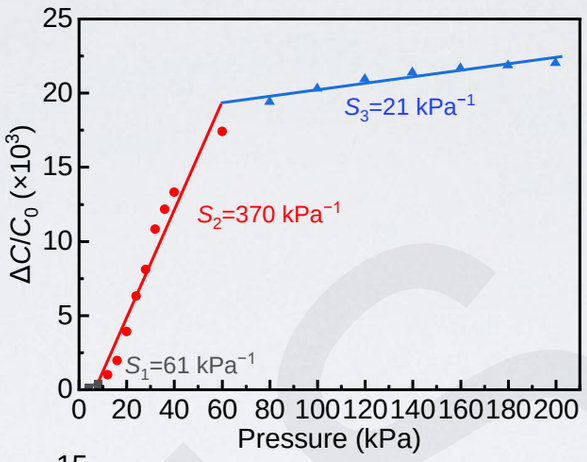
Initial

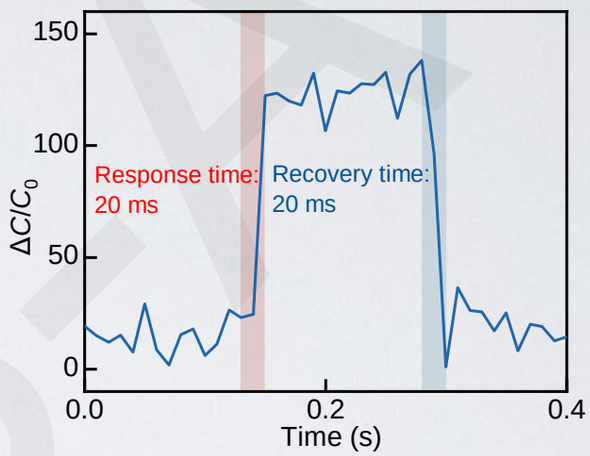
Under pressure

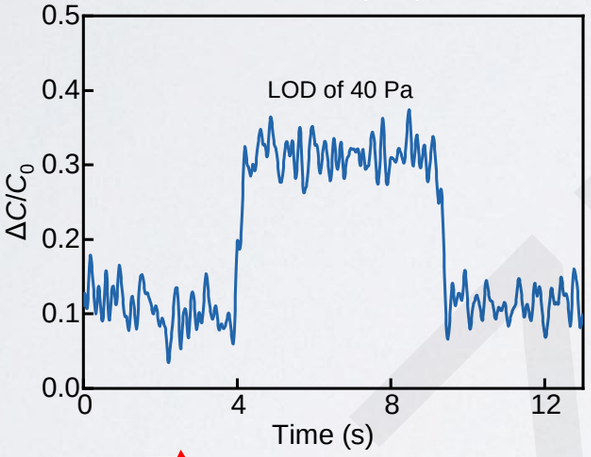


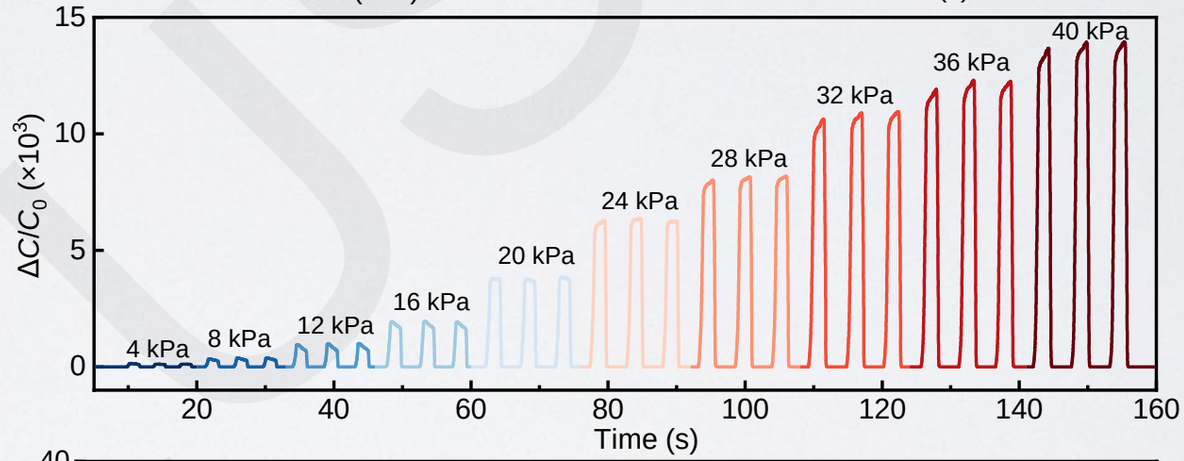
Sensor Performance

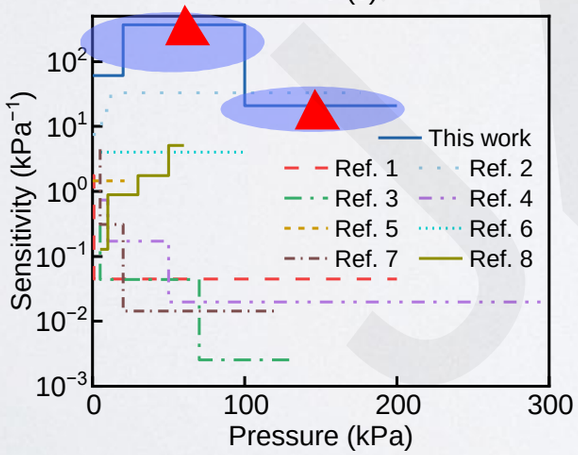


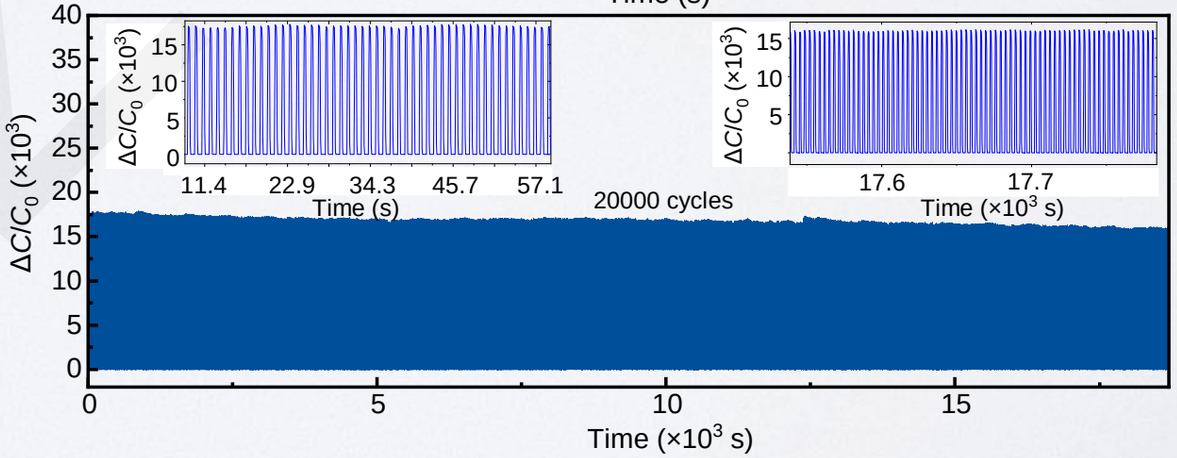






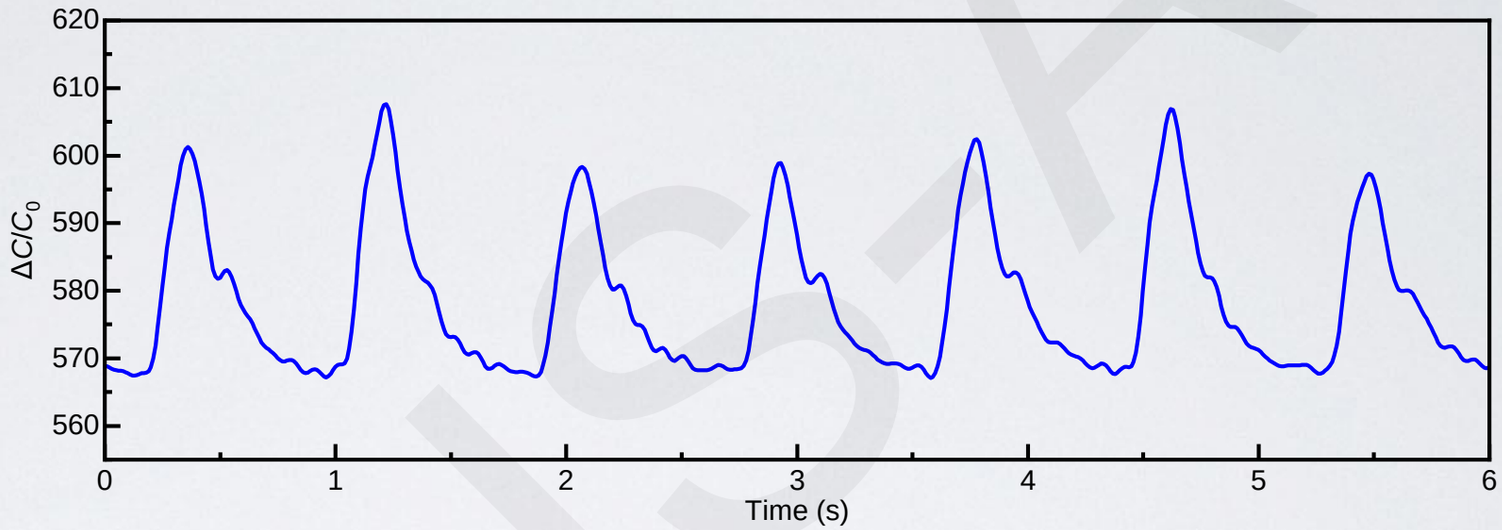


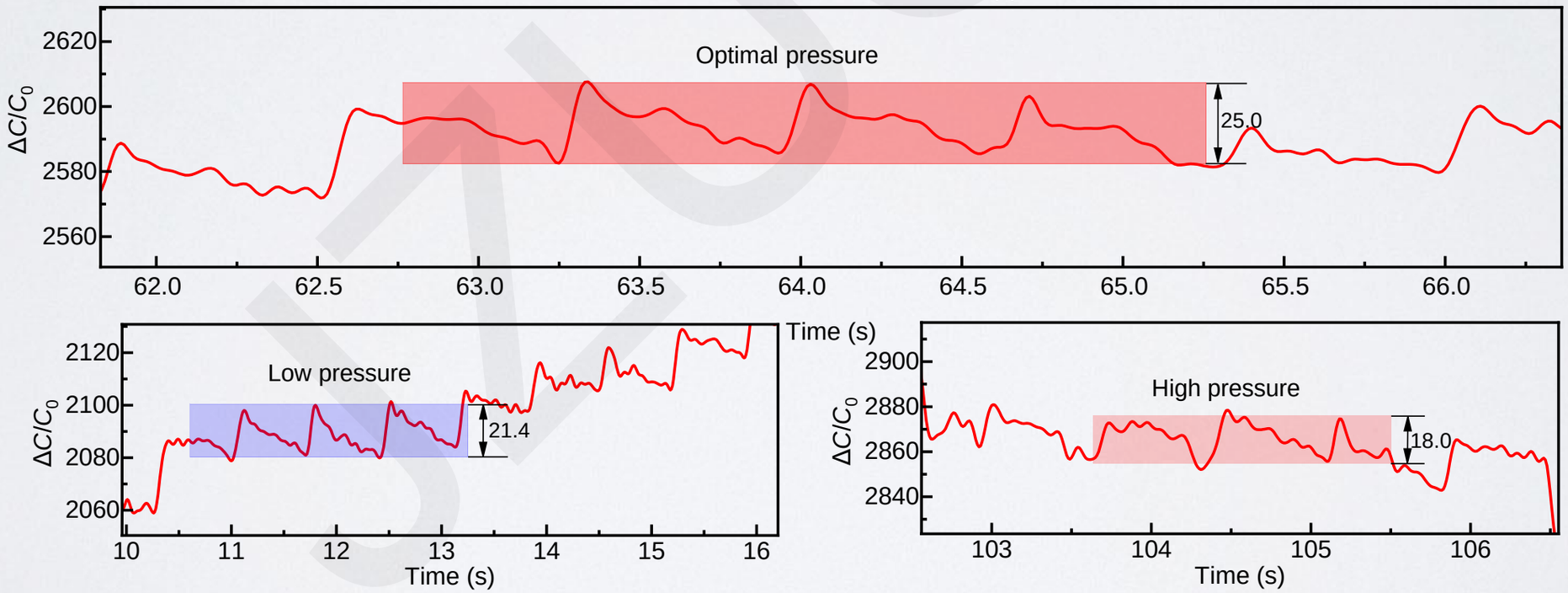




Pulse Signal Detection







Underwater Intelligent Communication

