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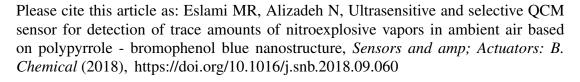
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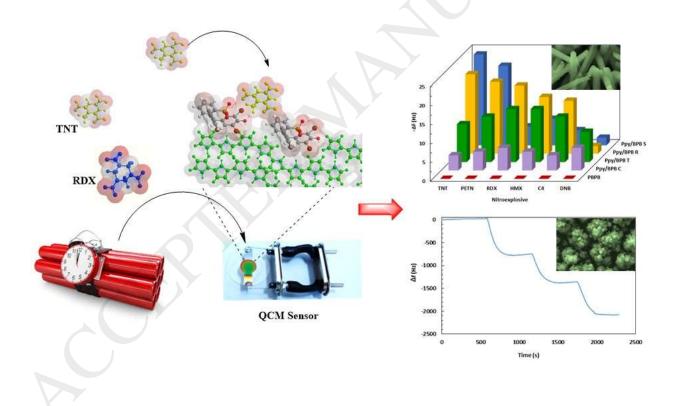
## ACCEPTED MANUSCRIPT

Ultrasensitive and selective QCM sensor for detection of trace amounts of nitroexplosive vapors in ambient air based on polypyrrole - bromophenol blue nanostructure

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### Graphical abstract



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