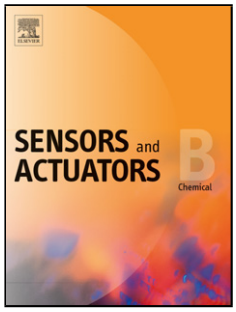

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A dual-signals response electrochemiluminescence immunosensor based on PTC-DEPA/KCC-1 NCs for detection of procalcitonin

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Highlights

- dual-signals response of the ECL immunosensor based on the perylene-3,4,9,10-tetracarboxylic acid-N,N-Diisopropylethylenediamine/mesoporous fibrous silica nanocomposites(PTC-DEPA/KCC-1 NCs) for procalcitonin detection was proposed.
- The novel luminophore (PTC-DEPA), synthesized by covalently linking perylene-3,4,9,10-tetracarboxylic acid with N,N-Diisopropylethylenediamine.