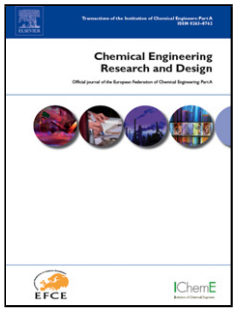

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INFLUENCE OF REAGENTS CHOICE (BUFFER, ACID AND INERT SALT) ON TRIIODIDE PRODUCTION IN THE VILLERMAUX-DUSHMAN METHOD APPLIED TO A STIRRED VESSEL

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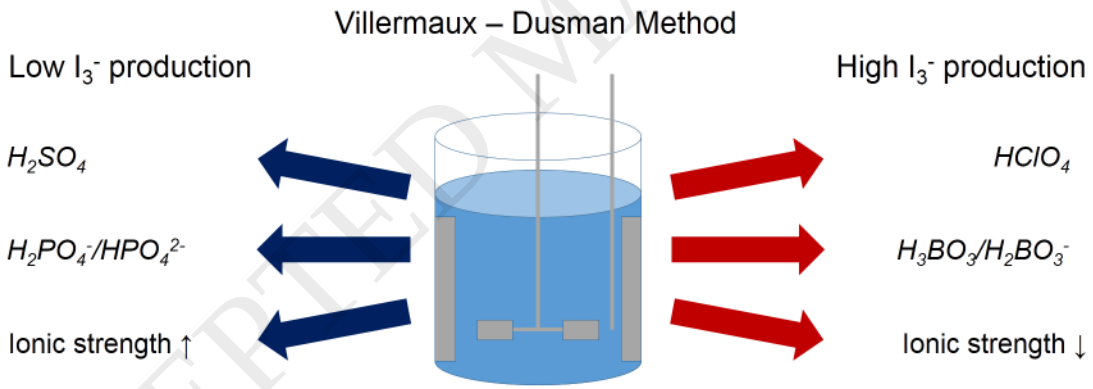
Graphical abstract



Highlights

- The influence of the reagents choice in the Villermaux Dushman test is studied
- Phosphate buffers lead to lower I_3^- production that borate buffers
- I_3^- production is slightly influenced by the ionic strength
- Both acids and buffers can be used for qualitative studies
- The pK_a of H_2SO_4 and H_3PO_4 should be considered in micromixing time estimations