

Introduction to Technical Reading

Chapter 3

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Results and Discussion

Main Topics:

What you expect to read in the sections of results and discussion?

How to read and gather useful information quickly?

- What you expect to read in the sections of results and discussion?
 1. Results and discussion can be presented either as a combined section or as two separate sections.
 2. Results summarize the data collected and their statistical treatment.
 3. Equations, Figures and Tables.
 4. Logical implications of the results.

- How to read and gather useful information quickly?
 1. Start with Figures first.
 2. Try to understand the meanings of figures, if not, go back to the text where you can find the instruction of figures.
 3. Read equations and tables, if there is any question, check text.
 4. Make sure you pick up the information that the paper wants to express.
 5. Go through the paper and read the topic sentence.
 6. Read carefully through out the paper.

Example

Discoloration of aqueous reactive dye solutions in the UV/Fe⁰ system. (2000) Deng, N.; Luo, F.; Wu, F.; Xiao, M.; Wu, X. *Water Research*. 34: 2408-2411.

數據的表示：

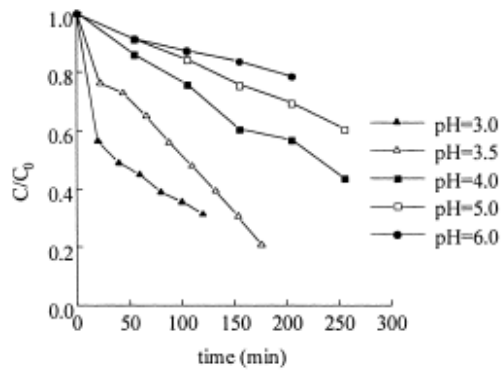


Fig. 4. The pH effect on discoloration rate of C.I. reactive red 2 [dye]=20 mg/l, [Fe⁰]=2.5 g/l.

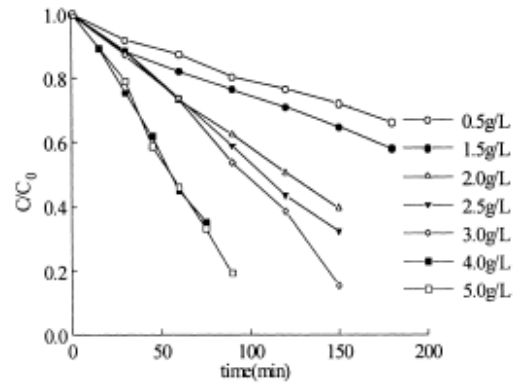
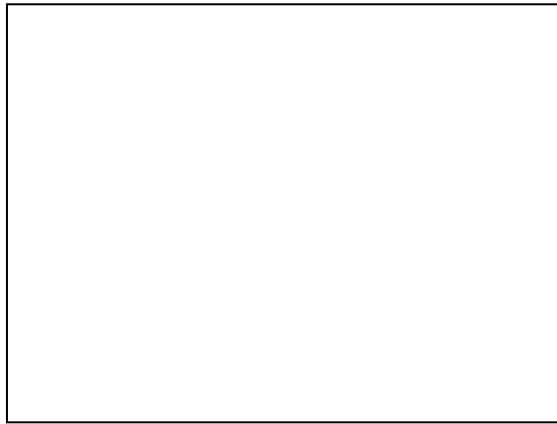


Fig. 5. Iron powder concentration effect on the discoloration of the dye solutions [dye]=200 mg/l, pH=3.5.



反應速率



pH

反應速率



Fe (g/L)

格式的問題：(代表的是專業度)

- Time(min)→Time (min)
- 1.0g/L→ 1.0 g/L