

# CHEM30006: Advanced Physical & Theoretical Chemistry

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1.

Atkins, P. W. & De Paula, J. Atkins' Physical chemistry. (Oxford University Press, 2002).

2.

Brouard, M. Reaction dynamics. vol. 61 (Oxford University Press, 1998).

3.

Dill, K. A. & Bromberg, S. Molecular driving forces: statistical thermodynamics in biology, chemistry, physics, and nanoscience. (Garland Science, 2011).

4.

Keeler, J. & Wothers, P. Chemical structure and reactivity: an integrated approach. (Oxford University Press, 2014).

5.

Hamley, I. W. Introduction to soft matter: synthetic and biological self-assembling materials. (John Wiley & Sons, 2007).

6.

Hollas, J. M. Modern spectroscopy. (Wiley, 2004).

7.

Hollas, J. M. High resolution spectroscopy. (John Wiley, 1998).

8.

Flory, P. J. Principles of polymer chemistry. (Cornell University Press, 1953).

9.

Gennes, P.-G. de. Scaling concepts in polymer physics. (Cornell University Press, 1979).

10.

Napper, D. H. Polymeric stabilization of colloidal dispersions. (Academic Press, 1983).

11.

Brouard, M. Reaction dynamics. vol. 61 (Oxford University Press, 1998).

12.

Pilling, M. J. & Seakins, P. W. Reaction kinetics. (Oxford University Press, 1995).

13.

Brouard, M. & Vallance, C. Tutorials in molecular reaction dynamics. (RSC Publishing, 2010).

14.

Levine, R. D. Molecular reaction dynamics. (Cambridge University Press, 2005).

15.

Hamley, I. W. Introduction to soft matter: synthetic and biological self-assembling

materials. (John Wiley & Sons, 2007).

16.

Israelachvili, J. N. Intermolecular and surface forces. (Academic Press, 1991).