

Chemical Bonding and Reactivity (CHEM3017) (F13CBR)

[View Online](#)

[1]

P. W. Atkins, J. De Paula, and J. Keeler, Atkins' Physical chemistry, Twelfth edition. Oxford: Oxford University Press, 2023.

[2]

K. A. Holbrook, M. J. Pilling, S. H. Robertson, and P. J. Robinson, Unimolecular reactions, 2nd ed. Chichester: John Wiley & Sons, 1996.

[3]

D. C. Harris and M. D. Bertolucci, Symmetry and spectroscopy: an introduction to vibrational and electronic spectroscopy. New York: Oxford University Press, 1978.

[4]

M. R. Wright, An introduction to chemical kinetics. Chichester: Wiley, 2004. [Online]. Available: <https://ebookcentral.proquest.com/lib/nottingham/detail.action?docID=239009>

[5]

C. J. Cramer, Essentials of computational chemistry: theories and models, 2nd ed. Chichester: Wiley, 2004. [Electronic resource]. Available: <https://ebookcentral.proquest.com/lib/nottingham/detail.action?docID=232703>

[6]

A. R. Leach, Molecular modelling: principles and applications, 2nd ed. Harlow: Prentice Hall, 2001.

[7]

F. Jensen, Introduction to computational chemistry, 3rd ed. Chichester: John Wiley & Sons, 2017. [Electronic resource]. Available:
<http://ebookcentral.proquest.com/lib/nottingham/detail.action?docID=4751479>

[8]

P. W. Atkins and R. Friedman, Molecular quantum mechanics, 5th ed. Oxford: Oxford University Press, 2011.

[9]

A. Szabo and N. S. Ostlund, Modern quantum chemistry: introduction to advanced electronic structure theory. Mineola, N.Y.: Dover Publications, 1996. [Online]. Available:
<https://ebookcentral.proquest.com/lib/nottingham/detail.action?docID=1894806>