

## NS2103: Chemistry in Drug Design

View Online



Alberts, Bruce, *Molecular Biology of the Cell (Sixth Edition)*, Sixth edition (New York, NY: Garland Science, Taylor and Francis Group, 2015)

Anastas, Paul T., and Mary M. Kirchhoff, 'Origins, Current Status, and Future Challenges of Green Chemistry', *Accounts of Chemical Research*, 35.9 (2002), 686–94  
<<https://doi.org/10.1021/ar010065m>>

Anderson, Neal G., *Practical Process Research and Development* (San Diego, Calif: Academic Press, 2000)  
<[http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=5663026230002746&institutionId=2746&customerId=2745](http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5663026230002746&institutionId=2746&customerId=2745)>

Atkins, P. W., and Julio De Paula, *Atkins' Physical Chemistry*, Tenth edition (Oxford, United Kingdom: Oxford University Press, 2014)

Atkins, P. W. and Shriver, D. F., *Shriver and Atkins' Inorganic Chemistry*, 5th ed (Oxford: Oxford University Press, 2010)

Averill, Bruce and Eldredge, Patricia, *Chemistry: Principles, Patterns, and Applications*, International ed (San Francisco, Calif: Pearson Benjamin Cummings, 2007)

Berg, Jeremy M., Tymoczko, John L., and Stryer, Lubert, *Biochemistry*, 7th ed (New York: W. H. Freeman, 2011)  
<<https://bibliu.com/users/saml/samlLeicester?RelayState=eyJjdXN0b21fbGF1bmNoX3VybC16liMvdmlldy9ib29rcy85NzgxMzE5MjQ4MDYyL2VwdWlvdT0VCUFMveGh0bWwvYmVvYXZk3OD-EzMTkxMTQ2NzFfY29udGVudHMuaHRtbCJ9>>

Brooker, Robert J., *Biology*, 2nd ed (New York: McGraw-Hill Higher Education, 2010)

Brown, Theodore L., *Chemistry: The Central Science*, 12th ed (Boston [Mass.]: Prentice Hall, 2012)

Burrows, Andrew, *Chemistry3: Introducing Inorganic, Organic and Physical Chemistry* (Oxford: Oxford University Press, 2009)  
<<https://bibliu.com/app/#/view/books/9780192529893/epub/OEBPS/contents.html>>

Carey, Francis A. and Giuliano, Robert M., *Organic Chemistry*, 8th ed (New York: McGraw-Hill Higher Education, 2011)

Clark, James H., 'Green Chemistry: Today (and Tomorrow)', *Green Chemistry*, 8.1 (2006)  
<<https://doi.org/10.1039/b516637n>>

- Clayden, Jonathan, Greeves, Nick, and Warren, Stuart G., Organic Chemistry, 2nd ed (Oxford: Oxford University Press, 2012)  
<<https://bibliu.com/users/saml/samlLeicester?RelayState=eyJjdXN0b21fbGF1bmNoX3VybC16liMvdmlldy9ib29rcy85NzgwMTkyNTE4NTQ1L2VwdWlvT0VCUFMvdG9jLmh0bWwifQ%3D%3D>>
- Cotton, F. Albert and Cotton, F. Albert, Advanced Inorganic Chemistry, 6th ed (New York: Wiley, 1999)
- 'EPO - Espacenet' <<http://www.epo.org/searching/free/espacenet.html?hp=stages>>
- Fiorino, Tony, 'Industry, Clinical Trials, and the Cost of Cancer Drugs: An Investor's Perspective' <<http://jco.ascopubs.org/content/25/19/e21.full>>
- Greenwood, N. N. and Earnshaw, Alan (Alan), Chemistry of the Elements, 2nd ed (Oxford: Butterworth-Heinemann, 1997)
- Heaton, C. A., An Introduction to Industrial Chemistry, 3rd ed (Glasgow: Blackie, 1996)
- Housecroft, Catherine E. and Constable, Edwin C., Chemistry: An Introduction to Organic, Inorganic and Physical Chemistry, 4th ed (Harlow: Prentice Hall, 2010)
- Kent, James Albert and Riegel, Emil Raymond, Kent and Riegel's Handbook of Industrial Chemistry and Biotechnology, 11th ed (New York: Springer, 2007)
- Kirchhoff, Mary M., 'Promoting Sustainability through Green Chemistry', Resources, Conservation and Recycling, 44.3 (2005), 237-43  
<<https://doi.org/10.1016/j.resconrec.2005.01.003>>
- 'Lab Technique' <<http://orgchem.colorado.edu/Technique/Technique.html>>
- McMurry, John, Organic Chemistry, 8th ed (Belmont, Calif: Thomson-Brooks/Cole, 2011)  
<[http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=5664140450002746&institutionId=2746&customerId=2745](http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5664140450002746&institutionId=2746&customerId=2745)>
- Mestres, Ramon, 'A Brief Structured View of Green Chemistry Issues', Green Chemistry, 6.1 (2004) <<https://doi.org/10.1039/b314467b>>
- Murray, Robert K. and Harper, Harold A., Harper's Illustrated Biochemistry, 28th ed (New York, N.Y.: McGraw-Hill Medical, 2009)  
<<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=4657718>>
- Nelson, David L., Cox, Michael M., and Lehninger, Albert L., Lehninger Principles of Biochemistry, 6th ed (New York, N.Y.: W.H. Freeman, 2013)  
<<https://bibliu.com/users/saml/samlLeicester?RelayState=eyJjdXN0b21fbGF1bmNoX3VybC16liMvdmlldy9ib29rcy85NzgxMzE5MTUwODc3L2VwdWlvT0VCUFMveGh0bWwvbmVsXzk3OUE0NjQxODc5NTdfY29udC5odG1sln0%3D>>
- Patrick, Graham L., An Introduction to Medicinal Chemistry, 5th ed (Oxford: Oxford University Press, 2013)
- Poliakoff, Martyn, 'Green Chemistry: Science and Politics of Change', Science, 297.5582

(2002), 807–10

<[http://gl9sn3dh2u.search.serialssolutions.com/?ctx\\_ver=Z39.88-2004&ctx\\_enc=info%253Aofi%252Fenc%253AUTF-8&rft\\_id=info:sid/summon.serialssolutions.com&rft\\_val\\_fmt=info:ofi/fmt:kev:mtx:journal&rft.genre=article&rft.atitle=Green+Chemistry%253A+Science+and+Politics+of+Change&rft.jtitle=Science&rft.au=Poliakoff%252C+Martyn&rft.au=Fitzpatrick%252C+J.+Michael&rft.au=Farren%252C+Trevor+R&rft.au=Anastas%252C+Paul+T&rft.date=2002-08-02&rft.pub=American+Association+for+the+Advancement+of+Science&rft.issn=0036-8075&rft.eissn=1095-9203&rft.volume=297&rft.issue=5582&rft.spage=807&rft.epage=810&rft.externalDocID=10.2307%252F3831987&paramdict=en-US](http://gl9sn3dh2u.search.serialssolutions.com/?ctx_ver=Z39.88-2004&ctx_enc=info%253Aofi%252Fenc%253AUTF-8&rft_id=info:sid/summon.serialssolutions.com&rft_val_fmt=info:ofi/fmt:kev:mtx:journal&rft.genre=article&rft.atitle=Green+Chemistry%253A+Science+and+Politics+of+Change&rft.jtitle=Science&rft.au=Poliakoff%252C+Martyn&rft.au=Fitzpatrick%252C+J.+Michael&rft.au=Farren%252C+Trevor+R&rft.au=Anastas%252C+Paul+T&rft.date=2002-08-02&rft.pub=American+Association+for+the+Advancement+of+Science&rft.issn=0036-8075&rft.eissn=1095-9203&rft.volume=297&rft.issue=5582&rft.spage=807&rft.epage=810&rft.externalDocID=10.2307%252F3831987&paramdict=en-US)>

Raven, Peter H., Johnson, George B., Mason, Kenneth A., Losos, Jonathan B., and Singer, Susan R., *Biology*, 10th ed (New York, NY: McGraw-Hill, 2014)

Reece, Jane B. and Campbell, Neil A., *Biology*, 9th ed (Boston: Pearson Education, 2011)  
<[http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=5663610340002746&institutionId=2746&customerId=2745](http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5663610340002746&institutionId=2746&customerId=2745)>

'Simulation of Analytical Nuclear Magnetic Resonance (NMR) Principles'  
<<http://vam.anest.ufl.edu/forensic/nmr.html>>

'SpectraSchool – Enhancing the Teaching and Learning of Spectroscopy and Spectrometric Methods' <<http://www.rsc.org/learn-chemistry/collections/spectroscopy>>

'The Basics of NMR' <<http://www.cis.rit.edu/htbooks/nmr/inside.htm>>

'The Mechanism of Cisplatin' <[https://www.youtube.com/watch?v=Wq\\_up2uQRDo](https://www.youtube.com/watch?v=Wq_up2uQRDo)>

Williams, Dudley H and Fleming, Ian, *Spectroscopic Methods in Organic Chemistry*, 6th ed (London: McGraw-Hill Higher Education, 2008)

Winter, Mark J., *D-Block Chemistry* (Oxford: Oxford University Press, 1994), Oxford chemistry primers

Zumdahl, Steven S., *Chemical Principles*, 6th ed (Belmont, Calif: Brooks/Cole, 2009)  
<[http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=5663963920002746&institutionId=2746&customerId=2745](http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5663963920002746&institutionId=2746&customerId=2745)>