

CHEM3141: Inorganic Rings, Chains and Clusters

[View Online](#)

Atkins PW, Shriver & Atkins' Inorganic Chemistry (5th ed, Oxford University Press 2010)

Bar-Sadan M, Kaplan-Ashiri I and Tenne R, 'Inorganic Fullerenes and Nanotubes: Wealth of Materials and Morphologies' (2007) 149 The European Physical Journal Special Topics 71

Choy K, 'Chemical Vapour Deposition of Coatings' (2003) 48 Progress in Materials Science 57

Cotton FA, Advanced Inorganic Chemistry (6th ed, Wiley 1999)

De M, Ghosh PS and Rotello VM, 'Applications of Nanoparticles in Biology' (2008) 20 Advanced Materials 4225

Falenty A, Hansen TC and Kuhs WF, 'Formation and Properties of Ice XVI Obtained by Emptying a Type sII Clathrate Hydrate' (2014) 516 Nature 231

Feher FJ and Budzichowski TA, 'Silasesquioxanes as Ligands in Inorganic and Organometallic Chemistry' (1995) 14 Polyhedron 3239

Gillespie RJ, 'Nyholm Memorial Lecture. Ring, Cage, and Cluster Compounds of the Main Group Elements' (1979) 8 Chemical Society Reviews

Greenwood NN and Earnshaw A, Chemistry of the Elements (2nd ed, Butterworth-Heinemann 1997)

——, Chemistry of the Elements (2nd ed, Butterworth-Heinemann 1997)

Housecroft CE, Boranes and Metallaboranes: Structure, Bonding and Reactivity, vol Ellis Horwood series in inorganic chemistry (2nd ed, Ellis Horwood 1994)

——, Metal-Metal Bonded Carbonyl Dimers and Clusters, vol Oxford chemistry primers (Oxford University Press 1996)

Huber D, 'Synthesis, Properties, and Applications of Iron Nanoparticles' (2005) 1 Small 482

Huheey JE, Keiter EA and Keiter RL, Inorganic Chemistry: Principles of Structure and Reactivity (4th ed, HarperCollins College Publishers 1993)

——, Inorganic Chemistry: Principles of Structure and Reactivity (4th ed, HarperCollins

College Publishers 1993)

Inokuma Y and others, 'X-Ray Analysis on the Nanogram to Microgram Scale Using Porous Complexes' (2013) 495 Nature 461

Kauzlarich SM, Chemistry, Structure, and Bonding of Zintl Phases and Ions, vol The chemistry of metal clusters (VCH 1996)

Kawasumi M, 'The Discovery of Polymer-Clay Hybrids' (2004) 42 Journal of Polymer Science Part A: Polymer Chemistry 819

Mingos DMP and Wales DJ, Introduction to Cluster Chemistry, vol Prentice Hall advanced reference series (Prentice Hall 1990)

Ormerod RM, 'Solid Oxide Fuel Cells' (2003) 32 Chemical Society Reviews 17

Ozin GA, Arsenault AC and Cademartiri L, Nanochemistry: A Chemical Approach to Nanomaterials (2nd ed, Royal Society of Chemistry)
<<https://app.knovel.com/hotlink/toc/id:kpNACANE01/nanochemistry-a-chemical?kpromoter=marc>>

Perez C and others, 'Structures of Cage, Prism, and Book Isomers of Water Hexamer from Broadband Rotational Spectroscopy' (2012) 336 Science 897

Qin Y, Wang X and Wang ZL, 'Microfibre-Nanowire Hybrid Structure for Energy Scavenging' (2009) 457 Nature 340

Qu L and others, 'Carbon Nanotube Arrays with Strong Shear Binding-On and Easy Normal Lifting-Off' (2008) 322 Science 238

Rao CNR, Müller A and Cheetham AK, The Chemistry of Nanomaterials: Synthesis, Properties and Applications (Wiley-VCH 2004)

Shriver DF, Kaesz HD and Adams RD, The Chemistry of Metal Cluster Complexes (VCH 1990)

Smith AM and Nie S, 'Semiconductor Nanocrystals: Structure, Properties, and Band Gap Engineering' (2010) 43 Accounts of Chemical Research 190
<<https://contentstore.cla.co.uk/secure/link?id=29f27d07-800d-f011-81a2-842121568115>>

Tenne R, 'Inorganic Nanotubes and Fullerene-like Nanoparticles' (2006) 1 Nature Nanotechnology 103

Thanh NTK and Green LAW, 'Functionalisation of Nanoparticles for Biomedical Applications' (2010) 5 Nano Today 213

Wagner V and others, 'The Emerging Nanomedicine Landscape' (2006) 24 Nature Biotechnology 1211

West R and Stone FGA, Multiply Bonded Main Group Metals and Metalloids, vol Advances in

organometallic chemistry (Academic Press 1996)

Woollins JD, Non-Metal Rings, Cages, and Clusters (Wiley 1988)