



Crystallography-Diffraction Methods References:

Dr. Allen Hunter



A. Electronic Crystallography-Diffraction Methods Journals via OhioLink:

 Ohio Library and Information Network



See: <http://www.as.yzu.edu/~adhunter/Research/ADHJournals.html> for “hot” links to these and other crystallography/chemistry/materials/etc., journals on the OhioLink system and on the publishers WEB sites. In addition, there are also links to various electronic data bases.

- (1) [Acta Crystallographica Section A](http://journals.ohiolink.edu:20080/cgi-bin/sciserv.pl?collection=journals&journal=01087673): <http://journals.ohiolink.edu:20080/cgi-bin/sciserv.pl?collection=journals&journal=01087673>
- (2) [Acta Crystallographica Section B](#):
- (3) [Acta Crystallographica Section C](#):
- (4) [Acta Crystallographica Section D](#):
- (5) [Acta Crystallographica Section E](#):
- (6) [Acta Crystallographica Section F](#):
- (7) [Crystal Engineering](#):
- (8) [Crystal Growth & Design](#):
- (9) [Crystal Research and Technology](#):
- (10) [Crystallography Reports](#):
- (11) [Crystengcomm](#):
- (12) [Journal of Applied Crystallography](#):
- (13) [Journal of Chemical Education \(The\)](#):¹
- (14) [Journal of Chemical Crystallography](#)
- (15) [Journal of Cluster Science](#)
- (16) [Journal of Crystal Growth](#)
- (17) [Journal of Materials Chemistry](#)
- (18) [Macromolecular Symposia](#)
- (19) [Materials Research Bulletin](#)
- (20) [Progress in Crystal Growth and Characterization of Materials](#)

¹ Note: Hunter gets this as a paper copy & electronic subscription.



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B. Crystallography-Diffraction Methods Data Bases at YSU (in Diffraction Lab):

- (1) Cambridge Crystallographic Data Center - Single Crystal Data Base.
- (2) International Center for Diffraction Data - Powder Data Base.

C. Crystallography-Diffraction Methods Texts in Maag Library:^{2,3}

- (1) International Tables of X-Ray Crystallography. Current Volumes in Hunter's Office and/or X-Ray Lab. Old Edition: QD 945.I55 1965 V.1 V.2 V.3
- (2) A. Guinier, "X-ray Diffraction in Crystals, Imperfect Crystals, and Amorphous Bodies", 1963, W. H. Freeman, San Francisco. QD 945.G943
- (3) A. J. Cochran Wilson, "Elements of X-ray Crystallography", 1970, Addison-Wesley, Reading, MA. QD 945.W49
- (4) A. McPherson, "Preparation and Analysis of Protein Crystals", 1982, Wiley, NY. QP 551.M364 1982
- (5) B. E. Warren, "X-ray Diffraction", 1969, Addison-Wesley, Reading, MA. QD 945.W33
- (6) B. K. Tanner, "X-ray Diffraction Topography", 1976, Pergamon Press, NY. QD 945.T36 1976
- (7) D. Sherwood, "Crystals, X-rays, and Proteins", 1976, Wiley, NY. QD 945.S46 1976
- (8) E. W. Nuffield, "X-ray Diffraction Methods", 1966, Wiley, NY. QD 945.N83
- (9) G. B. Carpenter, "Principles of Crystal Structure Determination", 1969, W. A. Benjamin, NY. QD 945.C35
- (10) G. H. Stout, "X-ray Structure Determination; A Practical Guide", 1968, Macmillan, NY. QD 945.S8
- (11) G. H. W. Milburn, "X-ray Crystallography; An Introduction to the Theory and Practice of Single Crystal Structure Analysis", 1973, CRC Press, Cleveland, OH. QD 945.M5 1973.
- (12) G. Rhodes, "Crystallography Made Crystal Clear: A Guide for Users of Macromolecular Models", 1993, Academic Press, San Diego. QP 551.R48 1993
- (13) H. Brumberger, "Small-Angle X-ray Scattering; Proceedings of the Conference held at Syracuse University, June 1965", 1967, Gordon and Breach, NY. QC 482.S52
- (14) H. Lipson, "Crystals and X-rays", 1970, Wykeham, London. QD 945.L522
- (15) H. Lipson, "Interpretation of X-ray Powder Diffraction Patterns", 1970, St. Martin's Press, NY. QD 945.L52
- (16) H. W. Wyckoff, C. H. W. Hirs, and Serge N. Timasheff, "Diffraction Methods for Biological Macromolecules/Part A", 1985, Academic Press, Orlando, FL. QP 601.M49 vol. 114
- (17) H. W. Wyckoff, C. H. W. Hirs, and Serge N. Timasheff, "Diffraction Methods for Biological Macromolecules/Part B" 1985, Academic Press, Orlando, FL. QP 601.M49 vol. 115

² As of March 3rd, 2001.

³ Note: Hunter has an extensive collection of other crystallography/diffraction methods texts in his office that may be borrowed.



Crystallography-Diffraction Methods References:

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- (18) I. Hargittai and M. Hargittai, "Symmetry Through the Eyes of a Chemist", 1995, Plenum, NY. QD 461.H268 1995
- (19) J. L. Amoros, "The Laue Method
- (20) J. P. Glusker, "Crystal Structure Analysis: A Primer", 2nd Edition, 1985, Oxford University Press, NY. QD 945.G58 1985. [1st edition with J. P. Glusker and K. N. Trueblood as authors, 1972. QD 945.G58]
- (21) J. P. Glusker, Editor, "Structural Crystallography in Chemistry and Biology", 1981, Hutchinson Ross Pub. Co., Stroudsburg, PA. QD 945.S87
- (22) **J. P. Glusker, M Lewis, and M. Rossi, "Crystal Structure Analysis for Chemists and Biologists", 1994, VCH, NY. QD 945.G583 1994**
- (23) J. R. Wormald, "Diffraction Methods", 1973, Clarendon Press, Oxford. QD 945.W63
- (24) J. W. Jeffery, "Methods in X-ray Crystallography", 1971, Academic Press, NY. QD 945.J36 1971
- (25) L. E. Alexander, "Diffraction Methods in Polymer Science", 1969, Wiley-Interscience, NY. QD 945.A365
- (26) L. V. Azaroff et al, "X-ray Diffraction", 1974, McGraw-Hill, NY. QC 482.D5 X7 1974
- (27) L. V. Azaroff, "Elements of X-ray Crystallography", 1968, McGraw-Hill, NY. QD 945.A85
- (28) M. C. F. Ladd and R. A. Palmer, "Structure Determination by X-Ray Diffraction", 3rd Edition, 1993, Plenum, NY. [1st edition: QD 945.L32 (1977). 2nd edition: QD 945.L32 1985.]
- (29) M. J. Buerger, "The Precession Method in X-ray Crystallography", 1964, Wiley, NY. QD 945.B79
- (30) M. M. Woolfson, "An Introduction to X-ray Crystallography", 1970, Cambridge University Press, Cambridge. QD 945.W58
- (31) R. Jenkins and R. Snyder, "Introduction to X-Ray Powder Diffractometry", 1993, Wiley, NY. QD 482.D5 J46 1996
- (32) R. Rudman, "Low-temperature X-ray Diffraction: Apparatus and Techniques", 1976, Plenum Press, NY. QD 945.R77