

The chem-biochem bibliography style for biblatex*

Joseph Wright[†]

Released 2016/02/26

This package provides a style for biblatex which follows the guidelines of the American Chemical Society (1). The citation style is numeric and unsorted. The bibliography style follows the pattern of the layout used in the journal *Biochemistry*. The style should be loaded in the usual way

```
\usepackage[style=chem-biochem]{biblatex}
```

The References section of this document demonstrates the format generated by the package using the `biblatex-chem.bib` database of example records.

References

- (1) *The ACS Style Guide*, 3rd ed.; Coghill, A. M., and Garson, L. R., Eds.; Oxford University Press, Inc. and The American Chemical Society: New York, 2006.
- (2) Allen, R. A., Smith, D. B., and Hiscott, J. E. Radioisotope Data., UKAEA Research Group Report AERE-R 2938, London: H.M.S.O., 1961.
- (3) Arduengo, A. J., III, Harlow, R. L., and Kline, M. (1991). A stable crystalline carbene. *J. Am. Chem. Soc.* *113*, 361–363.
- (4) Arduengo, A. J., III, Gentry, F. P., Jr., Taverkere, P., and Simmons, H. E., III (E. I. DuPont). Process for manufacture of imidazoles. US Patent, 6177575, 2001.
- (5) Armarego, W. L. F., and Chai, C. L. L., *Purification of Laboratory Chemicals*, 5th ed.; Butterworth–Heinemann: London, 2003.
- (6) Augustine, R. L., *Heterogeneous Catalysis for the Synthetic Chemist*; Marcel Dekker: New York, 1995.
- (7) Baker, J. C. Process of bleaching and maturing flour and other cereal products. US Patent, 1367530, 1921.
- (8) Booth, G., and Chatt, J. (1962). The reactions of carbon monoxide and nitric oxide with tertiary phosphine complexes of iron(II), cobalt(II), and nickel(II). *J. Chem. Soc.* 2099–2106.
- (9) Wanzlick, H. W. (1962). Aspects of nucleophilic carbene chemistry. *Angew. Chem., Int. Ed. Engl.* *1*, 75–80; Öfele, K. (1968). 1,3-Dimethyl-4-imidazolinylyliden-(2)-pentacarbonylchrom ein neuer Übergangsmetall-carben-komplex. *J. Organomet. Chem.* *12*, P42–P43.

*This file describes v1.1n, last revised 2016/02/26.

[†]E-mail: joseph.wright@morningstar2.co.uk

- (10) CORINA: Generation of 3D coordinates., <http://www.molecular-networks.com/software/corina/index.html>.
- (11) Cotton, F. A., Wilkinson, G., Murillo, C. A., and Bochmann, M., *Advanced Inorganic Chemistry*, 6th ed.; Wiley: Chichester, United Kingdom, 1999.
- (12) Pugh, D., Wright, J. A., and Danopoulos, A. A. 'Pincer' pyridine dicarbene iridium complexes: facile C–H activations and unexpected η^2 -imidazol-2-ylidene coordination. *Angew. Chem. Int. Ed.* in press.
- (13) Dehnicke, K., and Strähle, J. (1981). Die Übergangsmetall-Stickstoff-Mehrfachbindung. *Angew. Chem.* 93, 451–464.
- (14) Dehnicke, K., and Strähle, J. (1981). The transition metal–nitrogen multiple bond. *Angew. Chem., Int. Ed. Engl.* 20, 413–426.
- (15) Gaunt, M. J. The investigation and design of palladium catalysed reactions., Ph.D. Thesis, Cambridge, United Kingdom: University of Cambridge, 1999.
- (16) *N-Heterocyclic Carbenes in Transition Metal Catalysis*; Glorius, F., Ed.; Topics in Organometallic Chemistry, Vol. 21; Springer: Berlin, 2007.
- (17) *International Tables for Crystallography*, 5th ed.; Hahn, T., Ed.; Kluwer Academic Publishers: Dordrecht, Netherlands, 2002; Vol. A.
- (18) Hammond, C., *The Basics of Crystallography and Diffraction*; International Union of Crystallography and Oxford University Press: Oxford, United Kingdom, 1997; Chapter 1, pp 1–40.
- (19) Henry, P. M. In *Handbook Of Organopalladium Chemistry for Organic Synthesis*, Negishi, E.-I., Ed.; Wiley Interscience: New York, 2002; Vol. 2; Chapter V.3.1.1, pp 2119–2140.
- (20) Heyn, B., Hippler, B., Kreisel, G., Schreer, H., and Walther, D., *Anorganische Synthesechemie: ein integriertes Praktikum*; Springer-Verlag: Weinheim, Germany, 1986.
- (21) Hope, E., Bennett, J., and Stuart, A. In *Pacificchem (International Chemical Congress of Pacific Basin Societies)*, Hawaii, USA, 2005.
- (22) Kabbe, H.-J., and Jira, R. In *Methoden der organischen Chemie, Houben–Weyl, Ketone, Teil 1*, 4th ed.; Georg Thieme Verlag: Stuttgart, Germany, 1973; Vol. VII; Chapter III, pp 781–790.
- (23) Kirschning, A., Ed. Topics in Current Chemistry. 242 (2004): *Immobilized Catalysts*.
- (24) Lancaster, S. J. Alkylation of boron trifluoride with pentafluorophenyl Grignard reagent., <http://www.synthetichpages.org/pages/215> (accessed Oct. 8, 2008).
- (25) *Theoretical Aspects of Homogeneous Catalysis*; van Leeuwen, P. W. M. N., Morokuma, K., and van Lenthe, J., Eds.; Catalysis by Metal Compounds 18; Kluwer Academic Press: Dordrecht, Netherlands, 1995.
- (26) Sheldrick, G. M. In Müller, P., Herbst-Irmer, R., Spek, A. L., Schneider, T. R., and Sawaya, M. R. *Crystal Structure Refinement*; International Union of Crystallography and Oxford University Press: Oxford, United Kingdom, 2006.
- (27) *Handbook of Organopalladium Chemistry for Organic Synthesis*; Negishi, E.-I., Ed.; Wiley Interscience: New York, 2002.

- (28) ABSPACK, CrysAlis CCD and CrysAlis RED., version 1.171; Oxford Diffraction Ltd., Abingdon, United Kingdom, 2006.
- (29) Bunge, S. D., Just, O., and Rees, W. S., Jr. (2000). [$\{\text{Au}[\mu\text{-N}(\text{SiMe}_3)_2]\}_4$]: the first base-free gold amide. *Angew. Chem. Int. Ed.* **39**, 3082–3084.
- (30) Sheldrick, G. M. SHELX-97: Programs for crystal structure analysis.; Göttingen, Germany, 1997.
- (31) Smidt, J., Hafner, W., Jira, R., Sedlmeier, J., Sieber, R., Rüttinger, R., and Kojer, H. (1959). Katalytische Umsetzungen von Olefinen an Platinmetall-Verbindungen. *Angew. Chem.* **71**, 176–182.
- (32) Smidt, J., Hafner, W., Jira, R., Sieber, R., Sedlmeier, J., and Sabel, A. (1962). The oxidation of olefins with palladium chloride catalysts. *Angew. Chem., Int. Ed. Engl.* **1**, 80–88.
- (33) Sofield, C. D., Walter, M. D., and Andersen, R. A. (2004). $\{\text{Amidobis}[\eta^5\text{-1,3-bis(trimethylsilyl)cyclopentadienyl}]\text{titanium(III)}\}$. *Acta Crystallogr., Sect. C: Cryst. Struct. Commun.* DOI: 10.1107/S0108270104018840.
- (34) Proceedings of the 21st International Conference on Coordination Chemistry., Toulouse, France, 1980.
- (35) *International Tables for Crystallography, Mathematical, Physical and Chemical Tables*, 3rd ed.; Wilson, A. J. C., and Prince, E., Eds.; Kluwer Academic Publishers: Dordrecht, Netherlands, 1992; Vol. C.