

Publication

9.24 - The Nomenclature of Coordination Compounds - A Necessary Evil and a Pleasant Journey

Book Item (Buchkapitel, Lexikonartikel, jur. Kommentierung, Beiträge in Sammelbänden)

ID 4627701

Author(s) Constable, Edwin Charles

Author(s) at UniBasel [Constable, Edwin Charles](#) ;

Year 2021

Title 9.24 - The Nomenclature of Coordination Compounds - A Necessary Evil and a Pleasant Journey

Editor(s) Constable, Edwin C.; Parkin, Gerard; Que , Lawrence

Book title Comprehensive Coordination Chemistry

Volume 3

Publisher Elsevier

Place of publication Oxford

Pages 787-804

ISSN/ISBN 978-0-08-102689-2

Keywords Coordination chemistry, Nomenclature

As with T.S. Eliot's cats, the naming of coordination compounds is a difficult matter. There is an equilibrium to be reached between usability and precision. This article discusses the need for nomenclature and presents a brief history of chemical nomenclature. The role of the International Union of Pure and Applied Chemistry (IUPAC) is identified and a short overview of the rules of inorganic nomenclature is given. The use of additive nomenclature for the construction of names of coordination compounds is described and methods for the description of the bonding of complicated ligands are introduced. The final section looks towards the future development of nomenclature schemes designed for machine rather than human readability.

URL <https://www.sciencedirect.com/science/article/pii/B9780081026885000283>

edoc-URL <https://edoc.unibas.ch/85027/>

Full Text on edoc No;

Digital Object Identifier DOI 10.1016/B978-0-08-102688-5.00028-3