
NOMENKLATURA A TERMINOLOGIE

DOPORUČENÍ IUPAC

Nomenclature of Inorganic Chemistry

Since the publication of IUPAC's Nomenclature of Inorganic Chemistry – Recommendations 1990 (the 'Red Book') inorganic chemistry has continued to expand and flourish, bringing with it the need to adapt and develop associated nomenclature. A revision of the Red Book was therefore initiated in 1998. This revised Red Book will supersede not only the 1990 Red Book but also, where appropriate, Nomenclature of Inorganic Chemistry II Recommendations 2000 (Red Book II). One of the main changes from the old Red Book is the different organization of material, adopted to improve clarity. Overall, the emphasis on additive nomenclature (generalized from the classical nomenclature of coordination compounds) which was already apparent in the 1990 Red Book, is reinforced. Examples are even included of organic compounds, from the borderline between inorganic and organic chemistry, which may be conveniently named using additive nomenclature. The reader facing the problem of how to name a given compound or species may find help in several ways. A flowchart is provided which will in most cases guide the user to a section or chapter where rules can be found for generating at least one possible name. A more detailed subject index is also provided, as well as an extended guide to possible alternative names of a wide range of simple inorganic compounds.

Otiskujeme synopsi názvoslovného návrhu z oboru anorganické chemie, který byl připraven divizí IUPAC pro chemické názvosloví a reprezentaci struktur. Návrh je nyní určen k posouzení a kritice chemické veřejnosti. Zájemci o bližší informace či o text návrhu se mohou obrátit na adresu Národního střediska IUPAC v České republice:

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Numbering of Fullerenes

Rules for numbering (C_{60-I_h})[5,6]fullerene and ($C_{70-D_{5h(6)}}$)[5,6]fullerene were codified in a publication "Nomenclature for the (C_{60-I_h})[5,6] and ($C_{70-D_{5h(6)}}$)[5,6]fullerenes" published in Pure Appl. Chem. 74(4), 629-695, 2002. The current publication contains recommendations for numbering a wide variety of fullerenes of different sizes, and of various point group symmetries, including low symmetries such as C_s , C_i , and C_1 , as well as many fullerenes that have been isolated and structurally well characterized. These recommendations are based on the principles established in the earlier publication, and aim to identify well-defined, and preferably contiguous helical pathway for numbering. Rules for systematically completing the numbering of fullerene structures the numbering of which becomes discontinuous are presented.

Otiskujeme synopsi názvoslovného návrhu z oboru na pomezí anorganické a organické chemie, který byl připraven divizí IUPAC pro chemické názvosloví a reprezentaci struktur. Návrh je nyní určen k posouzení a kritice chemické veřejnosti. Zájemci o bližší informace či o text návrhu se mohou obrátit na adresu Národního střediska IUPAC v České republice:

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