POLYHEDRON
The International Journal for Research in Inorganic Chemistry.

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DESCRIPTION

Polyhedron publishes original, fundamental, experimental and theoretical work of the highest quality in all the major areas of inorganic chemistry. This includes synthetic chemistry, coordination chemistry, organometallic chemistry, bioinorganic chemistry, and solid-state and materials chemistry. Papers should be significant pieces of work, and all new compounds must be appropriately characterized. The inclusion of single-crystal X-ray structural data is strongly encouraged, but papers reporting only the X-ray structure determination of a single compound will usually not be considered. Papers on solid-state or materials chemistry will be expected to have a significant molecular chemistry component (such as the synthesis and characterization of the molecular precursors and/or a systematic study of the use of different precursors or reaction conditions) or demonstrate a cutting-edge application (for example inorganic materials for energy applications). Papers dealing only with stability constants are not considered.

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AUDIENCE

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IMPACT FACTOR

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Polyhedron publishes original, fundamental, experimental and theoretical work of the highest quality in all the major areas of inorganic chemistry. This includes synthetic chemistry, coordination chemistry, organometallic chemistry, bioinorganic chemistry, and solid-state and materials chemistry. Papers should be significant pieces of work, and all new compounds must be appropriately characterized. The inclusion of single-crystal X-ray structural data is strongly encouraged, but papers reporting only the X-ray structure determination of a single compound will usually not be considered. Papers on solid-state or materials chemistry will be expected to have a significant molecular chemistry component, such as the synthesis and characterization of the molecular precursors and/or a systematic study of the use of different precursors or reaction conditions.

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Data for inorganic compounds should be sent to: Fachinformationszentrum Karlsruhe (FIZ), by e-mail (address: crysdata@FIZ-Karlsruhe.de), by FTP (please contact FIZ if you choose this option), or on disk. No hard copy submissions will be accepted.

Within a day or two of submission the Data Centres will provide deposition codes for each data set. This should be noted in the Supplementary Material section at the end of the text file before the reference list in the manuscript submitted to the journal. The deposited data will be accessed by the journal and checked as part of the refereeing process.

b) When the paper is submitted to the Journal, the following guidelines should be adhered to: The Title should contain reference to the presence in the paper of X-ray crystallographic results. The Abstract should not contain crystal data, but should include a concise statement of the main features of the structural results. The Experimental results must be presented in a concise format.

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(ii) Chemical Formula. This should correspond to the complete chemical unit encompassing crystallographic symmetry (e.g., a centrosymmetric dimer should be included in full form). The use of fractional coefficients (e.g. 0.5H2O), should be used, only, if the unit has partial occupancy of its site. Formulae should be presented in a way that molecules, ionic fragments, solvate molecules etc. are separately identified.

(iii) Unit cell parameters with esds and X-ray wavelength used.

(iv) Crystal system, space group and number of complete chemical units (see ii) per cell.

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**Note.** Easily derived parameters should not be given unless required in discussion of other data (e.g. number of solvent molecules, etc).

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