

Special Issue

Tetrel Bonds

Message from the Guest Editor

The replacement of the bridging H atom in H-bonds by a multitude of other, more electronegative, atoms has led to rapidly-increasing study of related noncovalent bonds, generally known as halogen, chalcogen, and pnictogen bonds. It has recently been recognized that elements of the tetrel family (C, Si, Ge, Sn, Pb) also engage in such bonds, wherein the tetrel atom serves as electron acceptor to an incoming Lewis base, and that these bonds can be quite strong. This Special Issue will delve into the many facets of tetrel bonds: The factors determining their strength, their geometrical requirements, various phenomena in which they play an outsized role, and the means by which they can be detected and measured.

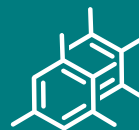
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Message from the Editor-in-Chief

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