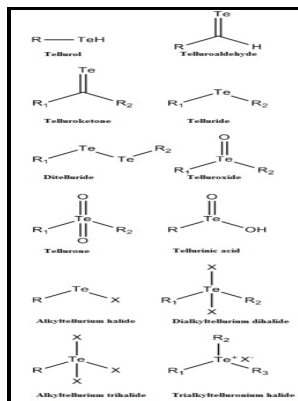


Studies in tellurium chemistry.

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Theoretical studies of geometry asymmetry in tellurium nanostructures: intrinsic dipole, charge separation, and semiconductor

Such devices find many applications in electronics and consumer products, the latest being their increased use for portable food coolers and, believe it or not, even for car-seat cooling systems.

Isomorphic substitution in molecular crystals and geometry of hypervalent tellurium: comments inspired by a case study of RMeTeI_2 and $[\text{RMe}_2\text{Te}]^+\text{I}^-$ ($\text{R} = \text{Ph}, \text{Fc}$)

Similarly, $\delta^{125}\text{Te}$ in ortho-substituted telluorphenetols can be correlated with analogous selenophenetols. It is usually found as a compound in ores of gold, silver, copper, lead, mercury, or bismuth. The main concern holding back some application are the modest stability of these materials and concerns about environmental impact.

The Amphoteric Properties of Tellurium Dioxide

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Isomorphic substitution in molecular crystals and geometry of hypervalent tellurium: comments inspired by a case study of RMeTeI_2 and $[\text{RMe}_2\text{Te}]^+\text{I}^-$ ($\text{R} = \text{Ph}, \text{Fc}$)

This monograph comprises contributions from leading scientists on the latest research into the synthesis, structure and bonding of novel selenium and tellurium compounds. One-bond coupling constants $1\text{ J }^{125}\text{Te}, 1\text{H}$ are negative — 59 Hz for $\text{H } ^2\text{Te}$, geminal couplings in dialkyltellurides are $\sim 20\text{ Hz}$ and — 90 Hz in tellurophene. A growing application of tellurium is in a variety of electrical devices.

Tellurium

Thermochimica Acta 1986, 102, 311-322. Some satellites orbiting the Earth study forests, crops, and other plant life by measuring the infrared

radiation they give off.

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