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EuO_2


1982

' 97: 14307v IR spectra of reaction products of gadolinium and scandium atoms with oxygen and nitrous oxide. Konnov, S. A.; Serebrennikov, L. V.; Maltsev, A. A. (USSR). *Vestn. Mosk. Univ., Ser. 2: Khim.* 1982, 23(2), 101-4 (Russ). Among Group IIIB elements in oxides 2 cases have been obsd. of degenerate valence frequencies. Mols. of EuO_2 and YbO_2 were studied and degeneracy of frequencies was not obsd. In ScO_2 and in GdO_2 the metal-O angles were detd. by isotopic shifts and are nearly 90° ($90 \pm 10^\circ$ in ScO_2 and $92 \pm 10^\circ$ in GdO_2).

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(43)

YbO_2 ,

 $\text{GdO}_2, \text{ScO}_2$

C. A. 1982, 97, N 2.