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Dictionary of chemistry and chemical technology German—English; edited by H. Gross (J.D. Smith), C54

Gmelin—Durrer, metallurgy of iron. Volume 8, Practice of Steelmaking 2; edited by H. Trenkler and W. Krieger (J.D. Smith), C56

Phosphorus an outline of its chemistry, biochemistry and technology, 3rd. edit.; by D.E.C. Corbridge (J.F. Nixon), C56