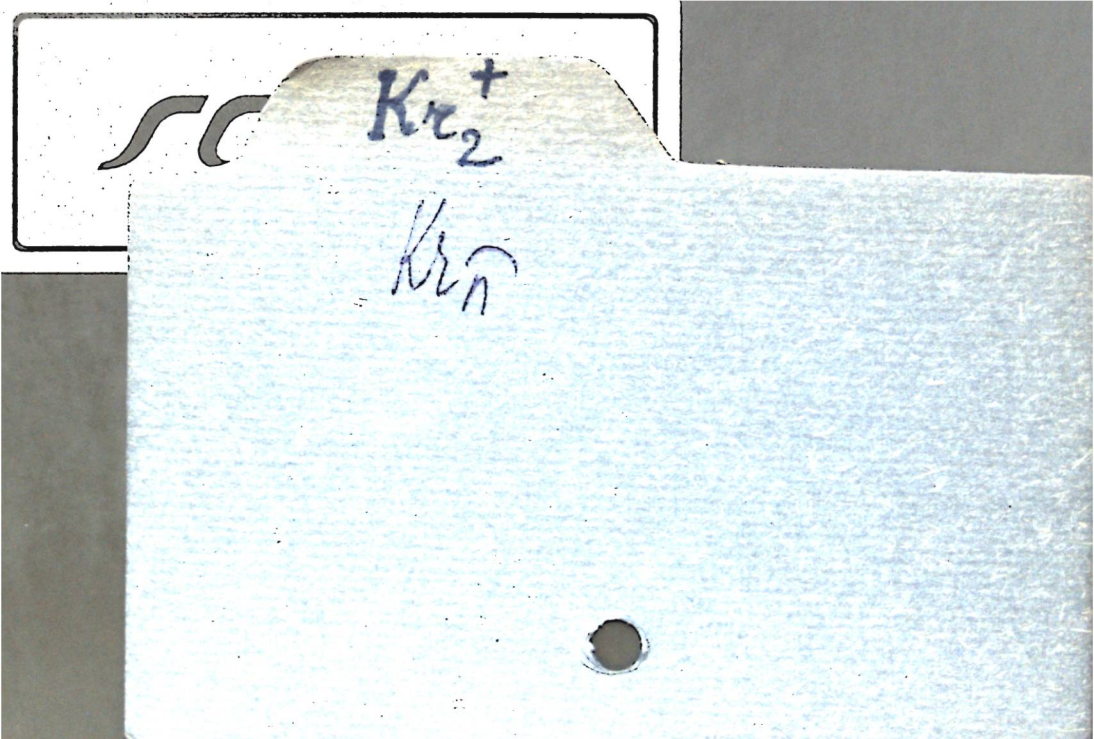
Kr_2^+
Kr^+

I-1465

I933

de Bruin, Humphreys, and Meggers

1. J. Research Natl. Bur. Standards II, 409 (I933)

Kr^{n+}; ras; ΔH_f°

Circ.: 00

W

VQP

I-1470

I934

Tate and Smith
2. Phys. Rev. 46, 773 (I934)

K_2^{n+} ;
Xe^{n+} ; } r.; ΔH_f°

Circ. 500

LO

I-1464

1935

Boyce

1. Phys. Rev. 47, 718 (1935)

Kr^{n+}; r-s; ΔH_f°

Circ. 500

Ko

V op

1963

Kr_2^+

He Kr^+

Ne Kr^+

Ar Kr^+

Kr Xe^+

Munson M.S.B., Franklin J.L., Field F.H.

J. Phys. Chem., 1963, 67, 1542.

Масс-спектрометрическое исследование гомоядерных и гетероядерных молекулярных ионов благородных газов.

Kr_2^+

потенциал ионизации

Samson J. A. R.,
Cairns. L. B.

1966

J. Opt. Soc. America, 56, N 8, 1140.

Потенциалы молекулярного ксенона и криптона

(См. I Xe_2^+)

X. 1967. 8 Б 474

1973

Kr

Lagutkin, O.D., et al;

Izv. Vyssh. Ucheb. Zaved.,

I973, I6(8), I49-5I.

(cm. Ar_{21}; T)

Kr_n^+
Kr_n^{2+}

(Dm 33352) 1989

111: 219716g Production and properties of singly and multiply charged krypton clusters. Lezius, M.; Scheier, P.; Stamatovic, A.; Maerk, T. D. (Inst. Ionenphys., Leopold Franzens Univ., A 6020 Innsbruck, Austria). *J. Chem. Phys.* 1989, 91(5), 3240-5 (Eng). Kr clusters produced in a supersonic nozzle expansion have been studied by electron-impact-ionization mass spectrometry. Mass-resolved spectra (with n up to 180) show two homologous series consisting of Kr_n^+ and Kr_n^{2+} ions. The distribution of Kr_n^+ ions shows distinct magic-no. effects, the obsd. abundance anomalies being very similar to the ones obsd. in Ar and Xe. This confirms the superior stability of closed-shell and -subshell icosahedral structures. Evidence for the occurrence of Kr_n^{3+} and Kr_n^{4+} ions was found. It was possible to det. appearance sizes of these multiply charged cluster ions (yielding n_2 = 69, n_3 = 156, and n_4 = 264), and to study the electron energy dependence of singly and doubly charged cluster ions (yielding a linear threshold law). These results are discussed in view of various theor. considerations and previous results where available.

спасибо.

C.A. 1989, 111, N 24

Kr 13

1993

Chartrand D.J.,
LeRoy R.J. et al.
J. Chem. Phys. 1993, 98(7),
5668-78.

Tm 4
сечение.

(сеч. $SF_6 - Ar_n$, I)