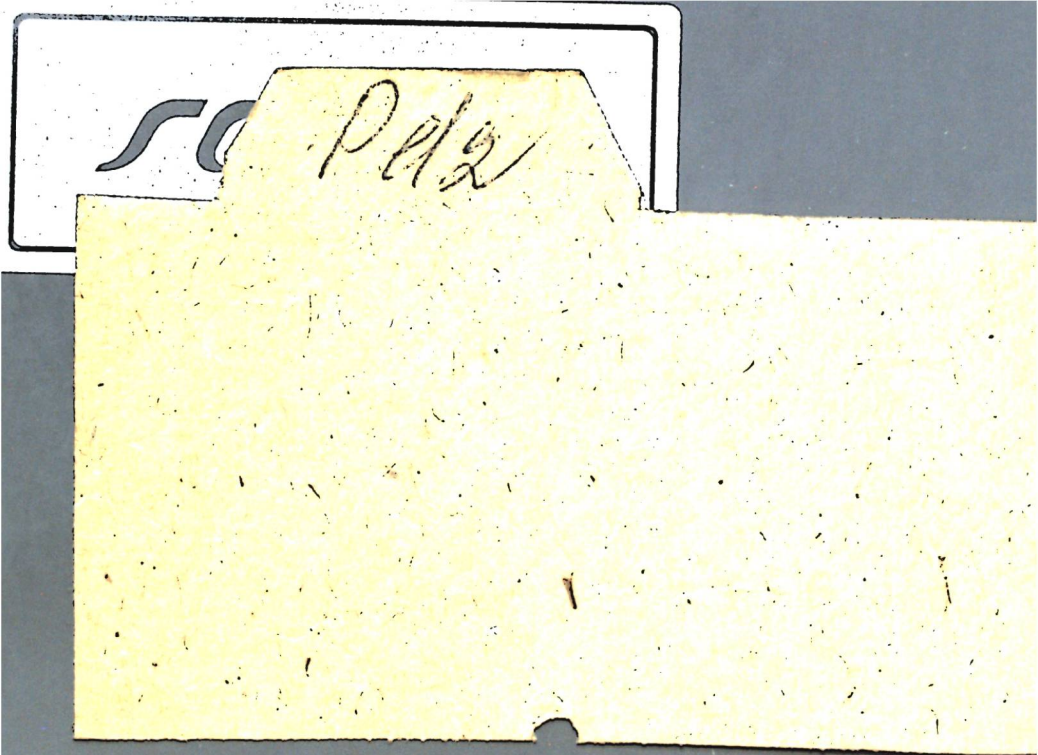
Pl2

PdI_2

(Tm)

Grube G., Knabe R.,
„Z. Electrochem.", 1936,
42, 793-815.

Pd_2

$D_0^\circ \leq 33 \frac{ккал}{моль}$

Аскерман М. и др. | 1962 | 87

J. Chem. Phys., 36, N6, 1560

Масс-спектрометрическое исследование паров системы Au – Cr и Au – Pd

(См. Cr Au) III

Вр-VI-4412; VI-3190 1967

Pd 2

17 Б84. **О равновесии между одноатомным и двухатомным палладием и потенциал появления Pd_2.** Gingerich Karl A. On the equilibrium between monatomic and diatomic palladium and the appearance potential of Pd_2. «Naturwissenschaften», 1967, 54, № 2, 43 (нем.)

С помощью масс-спектрометра в равновесном паре над палладием зарегистрированы молекулы Pd_2. Их потенциал появления найден равным 7,7±0,3 *эв*. Отношение парциальных давлений P_{Pd}/P_{Pd_2} составляет $3{,}3 \cdot 10^6$, $2{,}5 \cdot 10^5$ и $1{,}4 \cdot 10^5$ при 1975, 2025 и 2085° К соответственно. Расчет проведен в предположении, что сечение ионизации Pd_2 в 1,6 раза больше сечения для Pd. Ю. Ходеев

(A. P.

P)

X. 1967. 17

PdI_2	Уловецов Т. И. 1970
ΔH^0_{298}	Обзор. по термохимии, 1970, вып. 2, 133.

● (Соед. Ti_2I)

Pd_2 1984

Shim Irene, Gingerich Karl A.

ΔH_f; J. Chem. Phys., 1984, 80, N 10, 5107-5119.

(см. Pd_2; I)

F: Pd_2^+
P: 1

2000

133:301515 Theoretical Studies of the Coordination and Stability of Divalent Cations in ZSM-5. Rice, Mark J.; Chakraborty, Arup K.; Bell, Alexis T. Chemical and Materials Sciences Divisions Lawrence Berkeley National Laboratory Departments of Chemical Engineering and Chemistry, University of California Berkeley, CA 94720-1462, USA J. Phys. Chem. B, 104(43), 9987-9992 (English) 2000. The coordination of divalent metal cations to ZSM-5 has been investigated using gradient-cor. d. functional theory (DFT). Coordination at both isolated charge-exchange sites and pairs of charge- exchange sites was considered

for Co2+, Cu2+, Fe2+, Ni2+, Pd2+, Pt2+, Ru2+, Rh2+, and Zn2+. Thermodn. calcns. of the stability of M2+ to redn. to M0 and demetalation to form MOx particles were also carried out. The results indicate that Cu2+, Co2+, Fe2+, and Ni2+ are coordinated preferentially to five-membered rings contg. two Al atoms, which are located on the walls of the sinusoidal channels, whereas Pd2+, Pt2+, Ru2+, Rh2+, and Zn2+ are coordinated preferentially to six-membered rings located on the walls of the sinusoidal channels. Examn. of the stability of dimer cations of the form [M-O-M]2+ shows that such structures are not generally stable to hydrolysis, with the possible exception of [Cu-O- Cu]2+. The findings of these calcns. are in good general agreement with exptl. results.

2000

F: Pdn
P: 1
132:212842 Theoretical Studies in Palladium and Platinum Molecular Chemis Dedieu, Alain Laboratoire de Chimie Quantique, UMR 7551 CNRS/ULP Universite Louis Pasteur Strasbourg 67000, Fr. Chem. Rev. (Washington, D. C.), 100(2), 543-600 (English) 2000 The quantum chem. studies of Pd and Pt mol. systems carried out since 19 are reviewed with 482 refs. to complement earlier comprehensive reviews. covered include; mononuclear systems; polynuclear systems; reactivity of Pt complexes; and catalytic cycles.

C.A. 2000, 132