

Change of Isotopic Composition of Pd Cathode after Deuterium Glow Discharge Experiments (by secondary ion mass-spectroscopy, 10⁻¹ ppm)

Mass				10	11	12	13	23	58	60	61	62	78	80	79	81	90	91	107	109	A
Curr	Gas	Element		B	B	C	C	Na+2	Ni	Ni	Ni	Ni	Se	Se	Br	Br	Zr	Zr	Ag+2	Ag+2	B
?-1		# exp.\before ex		2.6	3.5	1300	1300	200	45	46	<30	<32	<3	?-2	<1.0	?-3	1.7	?-4	<20	<20	C
25	H2	1670	lay 1	0.7	?-5	4000	5500	?-6	97	120	76	130	<2.4	5.2	<1.0	<2	5.5	5.5	?-7	550	D
			lay 2	1.6	2.9	2000	?-8	5.6	44	50	<40	42	3.1	4.3	<0.8	<1	5.5	5.5	82	80	E
25	H2 D2	1668	lay 1	<2.1	0.7	430	1700	75	73	77	<101	<22	12	11	<1	<1.5	11	11	?-9	370	F
			lay 2	<2.1	0.7	1100	?-10	21	51	45	<67	<22	5.7	0.4	<1.5	<1.5	11	<6	67	56	G
			under	<2.7	<0.4	2000	?-11	12	10	<5.5	<40	<14	6.2	7.9	<1.5	<1	<1	5	<31	55	H
25	D2	1671	lay 1	25	22	5000	1100	300	190	190	500	600	4.4	5.4	17	21	?-12	21	2700	2810	I
			lay 2	<1.5	1.1	750	1100	4.6	31	28	<90	<25	3.2	?-13	<1.2	<0.6	0.9	<5	131	190	J
																					K
			lay 1	<1.3	0.15	2100	4100	13	18	10	<37	<12	2.9	4.5	<0.9	<2.5	5.5	?-14	<20	<20	L
35	H2	1667	lay 2	<2	<0.4	4000	5500	1.2	?-15	?-16	<20	<15	4.0	5.6	<0.7	<0.7	<0.6	<5	<20	<20	M
			under	<1.9	<0.3	20	900	11	21	9	<69	<19	13	10	<0.4	<0.6	?-17	<4.5	<20	<20	N
35	D2	1666	lay 1	21	19	?-18	2000	201	230	300	400	100	11	11	<2	<1.6	25	16	5000	5200	O
			lay 2	<2	<2.5	600	6000	34	60	60	<52	75	0	10	<1.2	<6	8.5	5	210	210	P
			under	<2.8	<1.8	610	700	21	20	17	?-19	<15	12	14	<1.6	<1	<1	<2.4	<11	<11	Q
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	

Analyses	upper - irradiated	1 lay (0-10 micron)
after	sample	2 lay (10-20 micron)
experiment	under – nonirradiated sample	below upper 100 micron

* Data are the bringing isotopic content to 100% content