



Yingzhao Ma (Autor)

The Reduction of Elemental Chalcogens and Their Derivatives by Divalent Lanthanide Complexes



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1																	18
IA																	VIIIA
1	2											13	14	15	16	17	18
H	He											B	C	N	O	F	Ne
3	4											5	6	7	8	9	10
Li	Be											Al	Si	P	S	Cl	Ar
11	12	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Na	Mg	IIIA	IIIA	IVB	IVB	VB	VB	VIB	VIB	VII	VII	IB	IB	IIA	IIA	IIIA	IIIA
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
55	56	57-71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
Cs	Ba	f	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
87	88	89-103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118
Fr	Ra	f	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Uut	Ff	Uup	Lv	Uuo	
6	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	6	
	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu		
7	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	7	
	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr		

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