

MLX plots for V.,Nb, Ta

MLX plots for Vanadium, Niobium and Tantalum

Vanadium Electron Number E.N.

		11	12	13	14	15	16	17	18	19
Valency Number V.N.	0	VL ₃	VL ₄	VL ₅	VL ₆	VL ₇				
	1	VL ₂ X	VL ₃ X	VL ₄ X	VL ₅ X	VL ₆ X				
	2	VL ₂ X ₂	VL ₃ X ₂	VL ₄ X ₂	VL ₅ X ₂	VL ₆ X ₂				
	3	VLX ₃	VL ₂ X ₃	VL ₃ X ₃	VL ₄ X ₃	VL ₅ X ₃				
	4	VLX ₄	VL ₂ X ₄	VL ₃ X ₄	VL ₄ X ₄	VL ₅ X ₄				
5	VX ₅	VLX ₅	VL ₂ X ₅	VL ₃ X ₅	VL ₄ X ₅					

Niobium Electron Number E.N.

		11	12	13	14	15	16	17	18	19
Valency Number V.N.	0	NbL ₃	NbL ₄	NbL ₅	NbL ₆	NbL ₇				
	1	NbL ₂ X	NbL ₃ X	NbL ₄ X	NbL ₅ X	NbL ₆ X				
	2	NbL ₂ X ₂	NbL ₃ X ₂	NbL ₄ X ₂	NbL ₅ X ₂	NbL ₆ X ₂				
	3	NbLX ₃	NbL ₂ X ₃	NbL ₃ X ₃	NbL ₄ X ₃	NbL ₅ X ₃				
	4	NbLX ₄	NbL ₂ X ₄	NbL ₃ X ₄	NbL ₄ X ₄	NbL ₅ X ₄				
5	NbX ₅	NbLX ₅	NbL ₂ X ₅	NbL ₃ X ₅	NbL ₄ X ₅					

Tantalum Electron Number E.N.

		11	12	13	14	15	16	17	18	19
Valency Number V.N.	0	TaL ₃	TaL ₄	TaL ₅	TaL ₆	TaL ₇				
	1	TaL ₂ X	TaL ₃ X	TaL ₄ X	TaL ₅ X	TaL ₆ X				
	2	TaL ₂ X ₂	TaL ₃ X ₂	TaL ₄ X ₂	TaL ₅ X ₂	TaL ₆ X ₂				
	3	TaLX ₃	TaL ₂ X ₃	TaL ₃ X ₃	TaL ₄ X ₃	TaL ₅ X ₃				
	4	TaLX ₄	TaL ₂ X ₄	TaL ₃ X ₄	TaL ₄ X ₄	TaL ₅ X ₄				
5	TaX ₅	TaLX ₅	TaL ₂ X ₅	TaL ₃ X ₅	TaL ₄ X ₅					