

MLX plots for Cobalt, Rhodium and Iridium

Cobalt Electron Number E.N.

		11	12	13	14	15	16	17	18	19
Valency Number V.N.	0	CoL		CoL ₂		CoL ₃		CoL ₄		CoL ₅
	1		CoLX		CoL ₂ X		CoL ₃ X		CoL ₄ X	
	2	CoX ₂		CoLX ₂		CoL ₂ X ₂		CoL ₃ X ₂		CoL ₄ X ₂
	3		CoX ₃		CoLX ₃		CoL ₂ X ₃		CoL ₃ X ₃	
	4			CoX ₄		CoLX ₄		CoL ₂ X ₄		CoL ₃ X ₄
	5				CoX ₅		CoLX ₅		CoL ₂ X ₅	
6					CoX ₆		CoLX ₆		CoL ₂ X ₆	

Rhodium Electron Number E.N.

		11	12	13	14	15	16	17	18	19
Valency Number V.N.	0	RhL		RhL ₂		RhL ₃		RhL ₄		RhL ₅
	1		RhLX		RhL ₂ X		RhL ₃ X		RhL ₄ X	
	2	RhX ₂		RhLX ₂		RhL ₂ X ₂		RhL ₃ X ₂		RhL ₄ X ₂
	3		RhX ₃		RhLX ₃		RhL ₂ X ₃		RhL ₃ X ₃	
	4			RhX ₄		RhLX ₄		RhL ₂ X ₄		RhL ₃ X ₄
	5				RhX ₅		RhLX ₅		RhL ₂ X ₅	
6					RhX ₆		RhLX ₆		RhL ₂ X ₆	

Iridium Electron Number E.N.

		11	12	13	14	15	16	17	18	19
Valency Number V.N.	0	IrL		IrL ₂		IrL ₃		IrL ₄		IrL ₅
	1		IrLX		IrL ₂ X		IrL ₃ X		IrL ₄ X	
	2	IrX ₂		IrLX ₂		IrL ₂ X ₂		IrL ₃ X ₂		IrL ₄ X ₂
	3		IrX ₃		IrLX ₃		IrL ₂ X ₃		IrL ₃ X ₃	
	4			IrX ₄		IrLX ₄		IrL ₂ X ₄		IrL ₃ X ₄
	5				IrX ₅		IrLX ₅		IrL ₂ X ₅	
	6					IrX ₆		IrLX ₆		IrL ₂ X ₆
7							Ir(PR ₃)H ₇			

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		11	12	13	14	15	16	17	18	19
Valency Number V.N.	0	CoL		CoL ₂		CoL ₃		CoL ₄		CoL ₅
	1		CoLX		CoL ₂ X		CoL ₃ X		CoL ₄ X	
	2	CoX ₂		CoLX ₂		CoL ₂ X ₂		CoL ₃ X ₂		CoL ₄ X ₂
	3		CoX ₃		CoLX ₃		CoL ₂ X ₃		CoL ₃ X ₃	
	4		CoX ₄		CoLX ₄		CoL ₂ X ₄		CoL ₃ X ₄	
	5			CoX ₅		CoLX ₅		CoL ₂ X ₅		
6				CoX ₆		CoLX ₆		CoL ₂ X ₆		

Rhodium Electron Number E.N.

		11	12	13	14	15	16	17	18	19
Valency Number V.N.	0	RhL		RhL ₂		RhL ₃		RhL ₄		RhL ₅
	1		RhLX		RhL ₂ X		RhL ₃ X		RhL ₄ X	
	2	RhX ₂		RhLX ₂		RhL ₂ X ₂		RhL ₃ X ₂		RhL ₄ X ₂
	3		RhX ₃		RhLX ₃		RhL ₂ X ₃		RhL ₃ X ₃	
	4		RhX ₄		RhLX ₄		RhL ₂ X ₄		RhL ₃ X ₄	
	5			RhX ₅		RhLX ₅		RhL ₂ X ₅		
6				RhX ₆		RhLX ₆		RhL ₂ X ₆		

Iridium Electron Number E.N.

		11	12	13	14	15	16	17	18	19
Valency Number V.N.	0	IrL		IrL ₂		IrL ₃		IrL ₄		IrL ₅
	1		IrLX		IrL ₂ X		IrL ₃ X		IrL ₄ X	
	2	IrX ₂		IrLX ₂		IrL ₂ X ₂		IrL ₃ X ₂		IrL ₄ X ₂
	3		IrX ₃		IrLX ₃		IrL ₂ X ₃		IrL ₃ X ₃	
	4		IrX ₄		IrLX ₄		IrL ₂ X ₄		IrL ₃ X ₄	
	5			IrX ₅		IrLX ₅		IrL ₂ X ₅		
	6				IrX ₆		IrLX ₆		IrL ₂ X ₆	
7							Ir(PR ₃)H ₇			