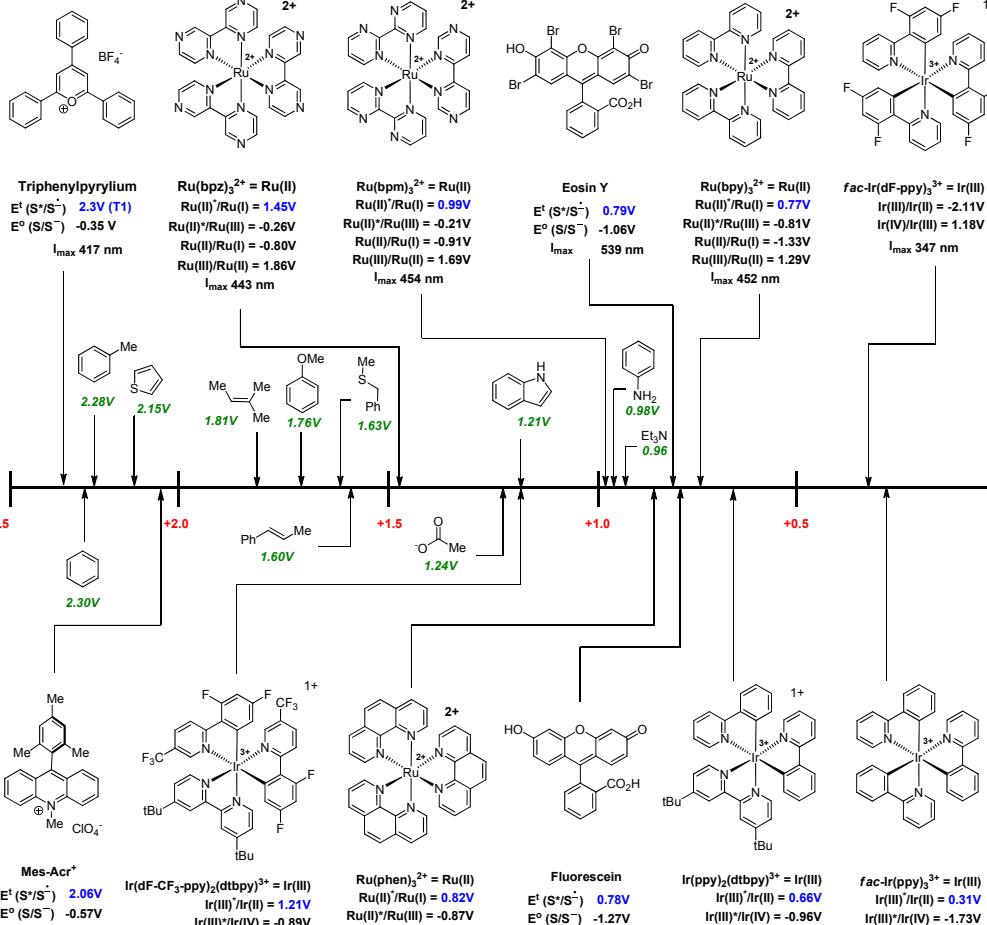


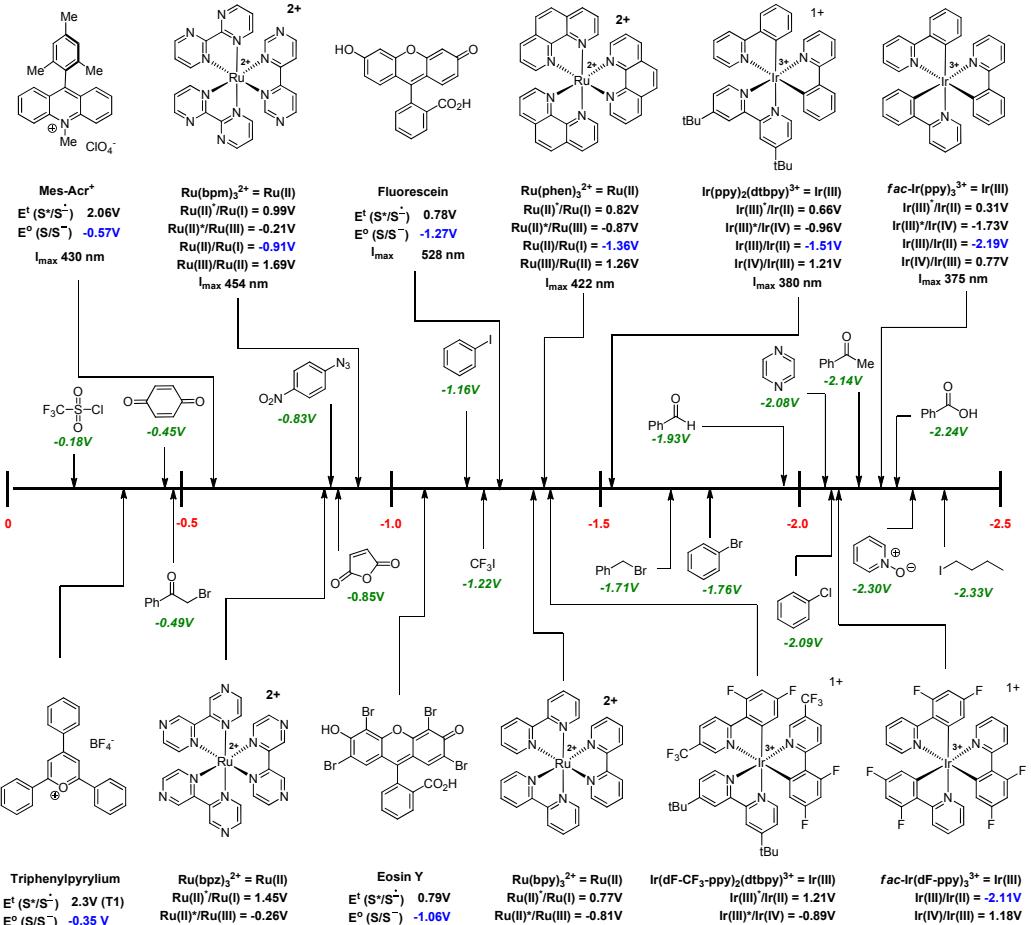
Electrochemical Series of Photocatalysts and Common Organic Compounds

Excited State Oxidations



E°' (V vs. SCE))

Reduced State Reductions

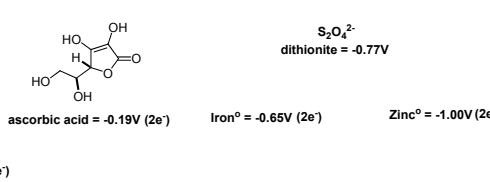


E° (V vs. SCE))

Common Oxidizing Agents

F-F: 2.62V (2e ⁻)	S ₂ O ₈ ²⁻ : 1.85V (2e ⁻)	MnO ₄ ⁻ : 1.43V (4e ⁻)
persulfate= 2.36V	persulfate= 1.85V (2e ⁻)	permanegante = 1.43V (4e ⁻)
persulfate= 2.36V	hydrogen peroxide = 1.45V (2e ⁻)	
	H ₂ O ₂	
	Hypochlorite = 1.39V	
	HOCl	
	TBPA = 1.05V	

Other common oxidants listed include: oxygen = 0.99V (4e⁻), (NH₄)₂[Ce(NO₃)₆] = 0.96V, CAN = 0.96V, DDQ = 0.53V, and Copper(II)= 0.28V (1e⁻).



Common Reducing Agents

Magnesium ⁰ = -2.62V (2e ⁻)	Sm(II) ₂ = -1.65V (2e ⁻)	Sodium ⁰ = -2.95V
		Lithium ⁰ = -3.28V

compiled by D. DiRocco 2014

