

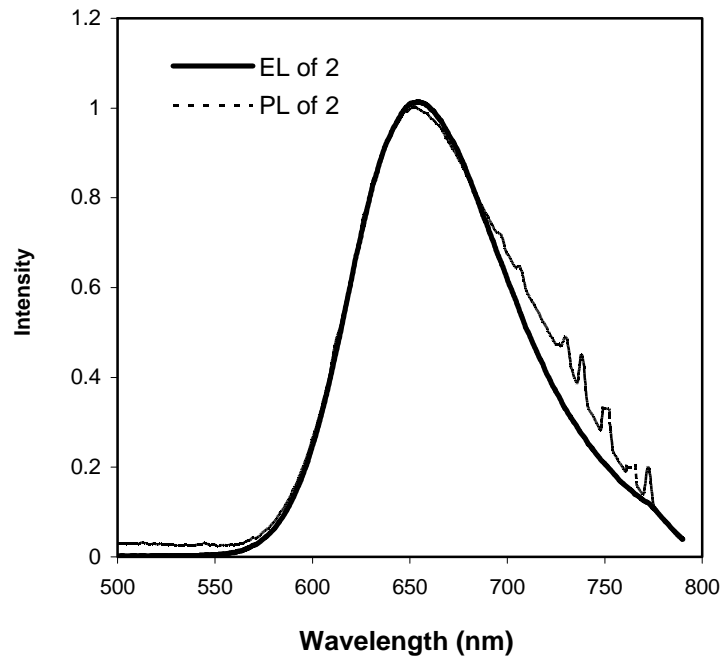
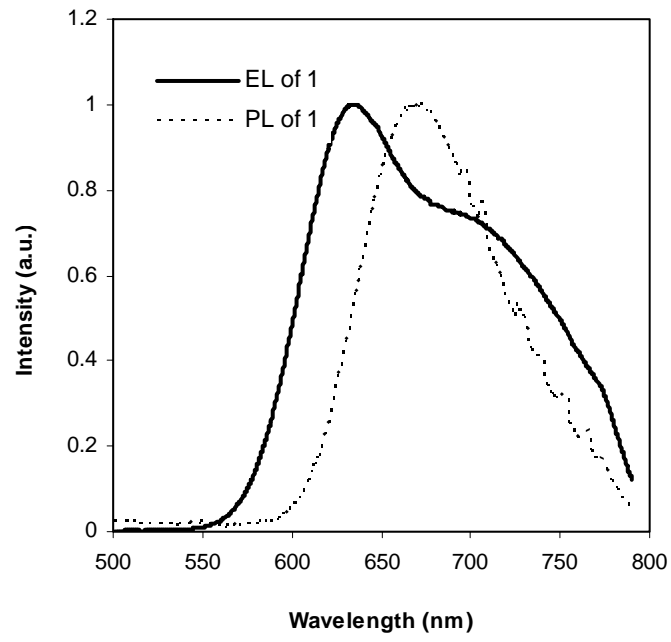
## Supporting materials

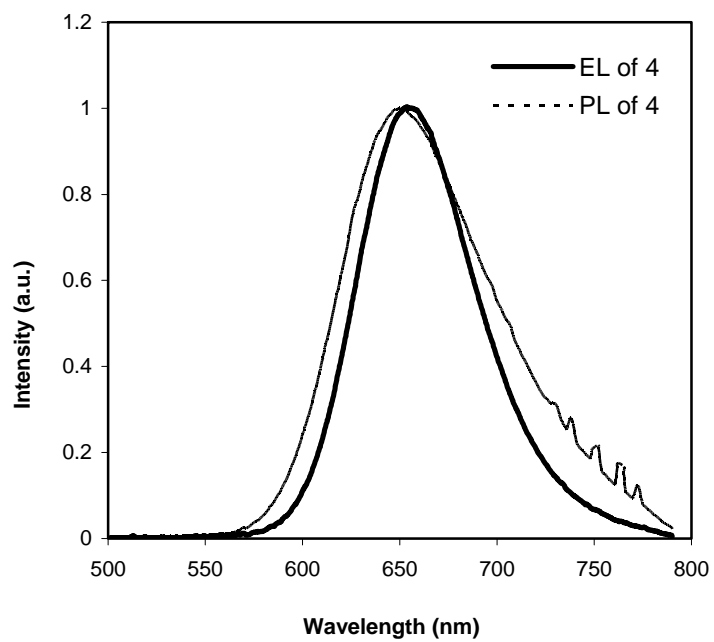
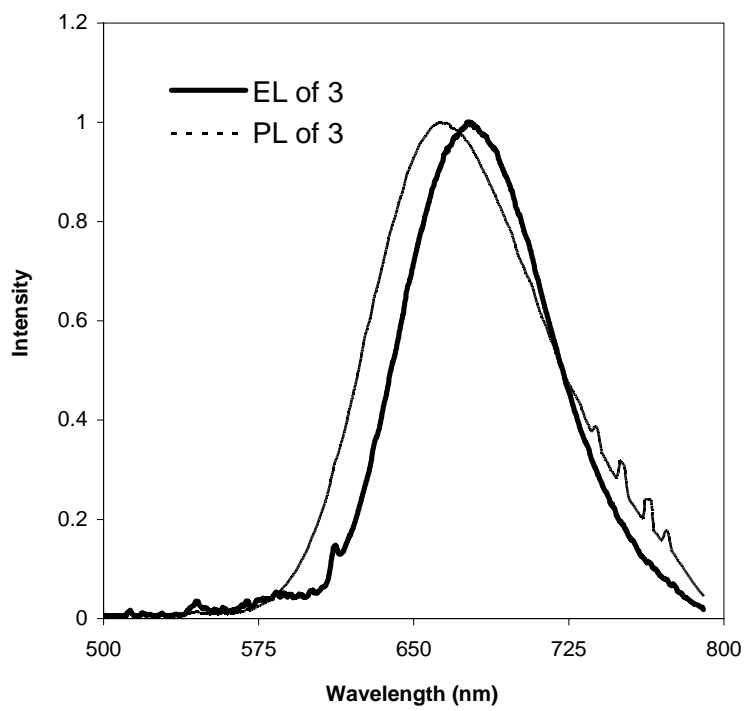
### **Linear and Star-shaped Polynuclear Ru(II) Complexes of 2-(2'-Pyridyl)benzimidazolyl Derivatives: Syntheses, Photophysical Properties and Red Light-Emitting Devices**

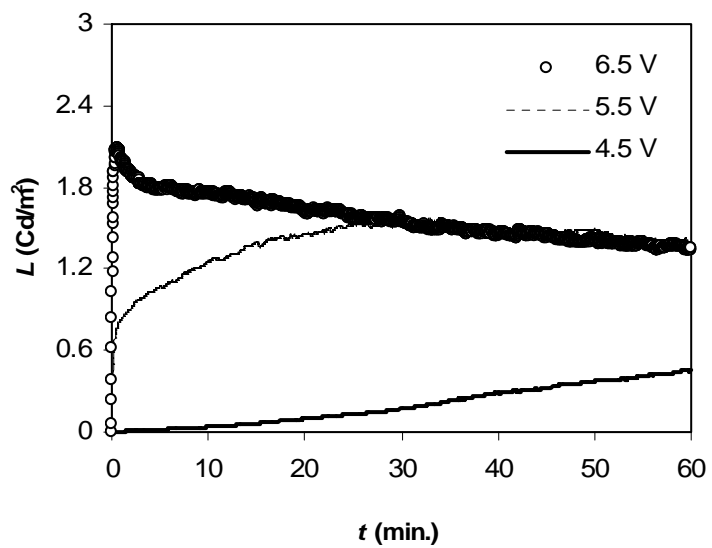
Wen-Li Jia,<sup>a</sup> Yu-Feng Hu,<sup>b</sup> Jun Gao,<sup>b</sup> Suning Wang<sup>\*a</sup>

<sup>a</sup>Department of Chemistry, Queen's University, Kingston, Ontario, K7L 3N6, Canada

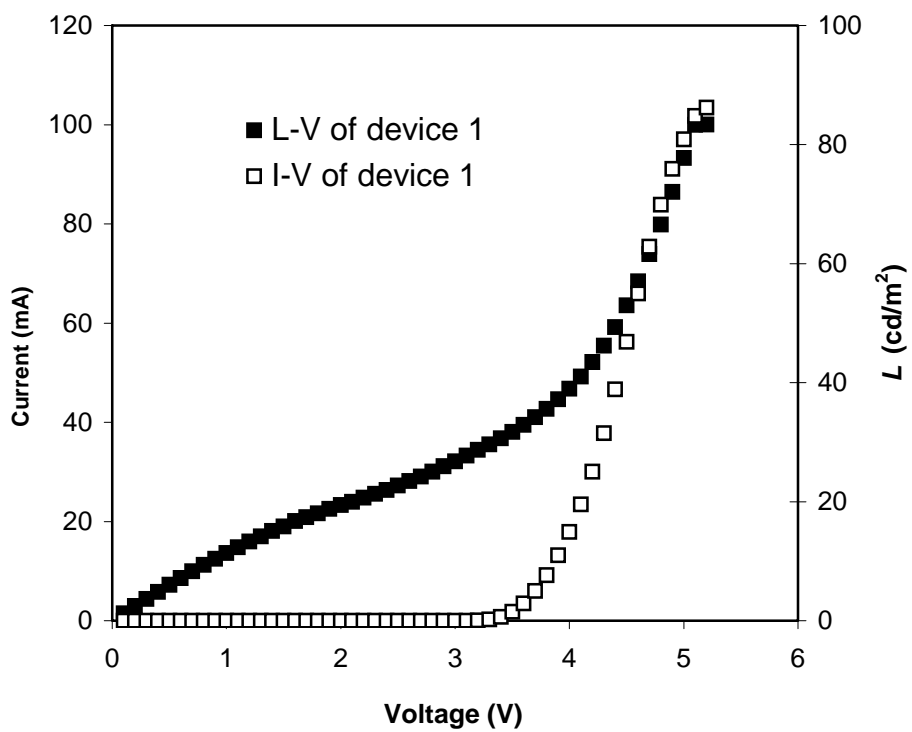
<sup>b</sup>Department of Physics, Queen's University, Kingston, Ontario, K7L 3N6, Canada



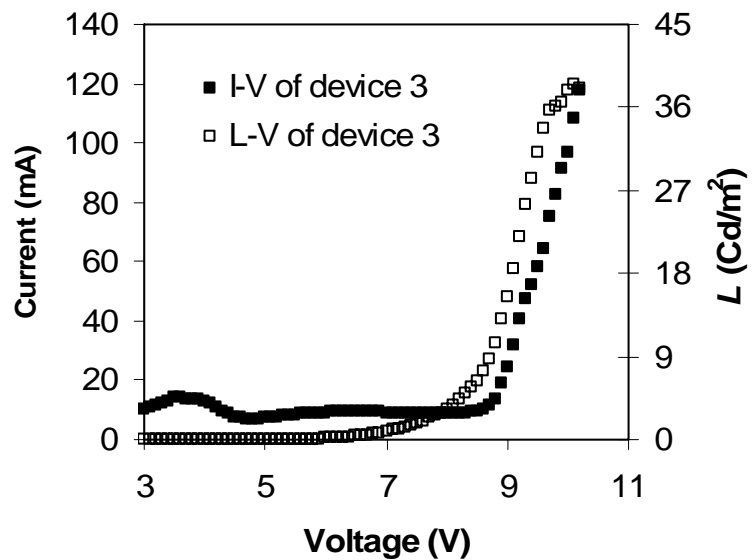




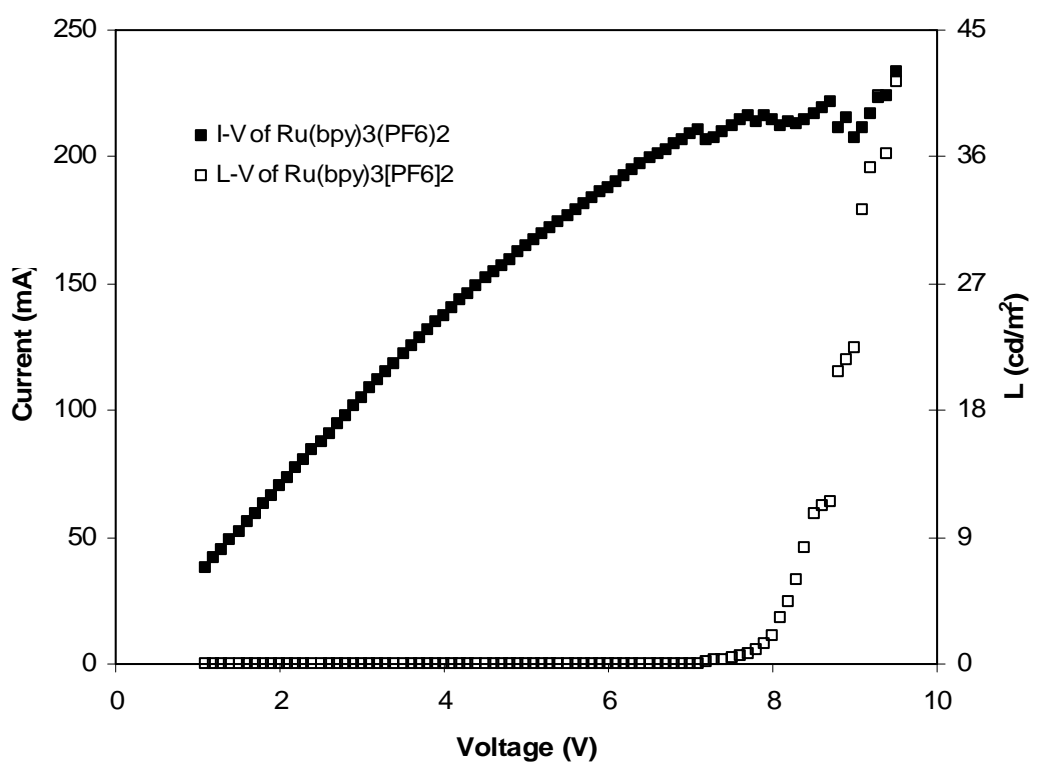
*L-V-t* diagram for device 3



*I-L-V* diagram for device 1



I-L-V diagram for device 3



I-L-V diagram for device based on [Ru(bpy)<sub>3</sub>][PF<sub>6</sub>]<sub>2</sub>