

**Synthesis and Electrochemical Investigation of $\{[(\text{bpy})_2\text{Ru}(\text{dpp})]_2\text{RhCl}_2\}(\text{PF}_6)_5$:
A Light Absorber – Electron Collector – Light Absorber Triad**

AND

**Development and Evaluation of Integrated Molecular Modeling, Synthesis,
and Characterization Laboratory Experiments for the
Undergraduate Chemistry Curriculum**

by

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