



Effect of Ligands within Vanadium Complex Encapsulated in Y Zeolite Catalysts on Liquid- phase Benzene Oxidation

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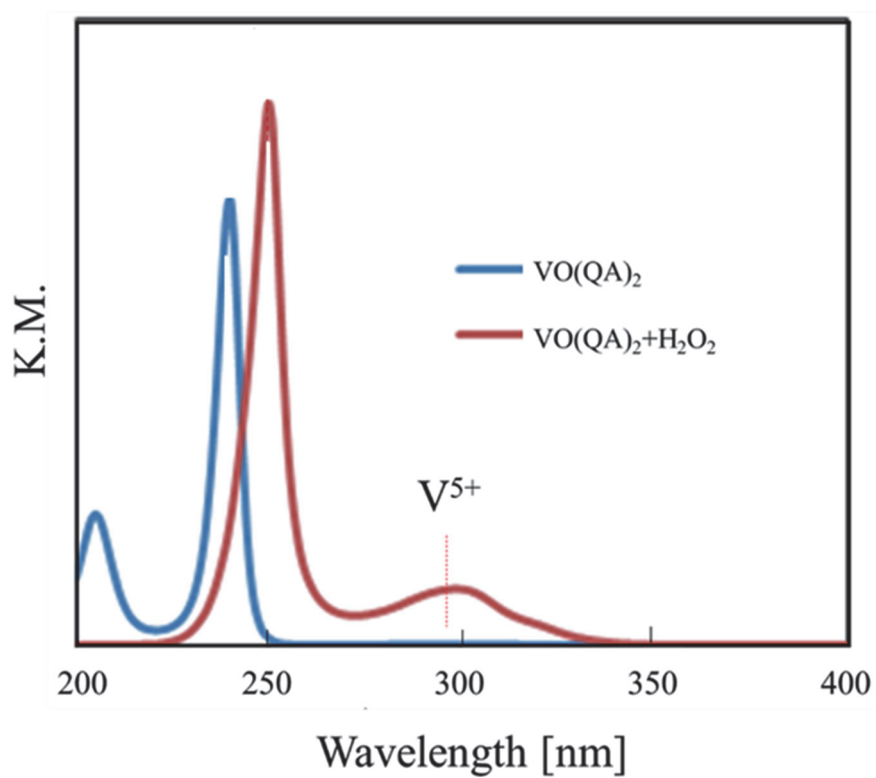


Fig. S1 UV-vis spectrum of V complex with two molecules of quinaldic acid as ligands ($\text{VO}(\text{QA})_2$) with and without hydrogen peroxide in the aqueous solution. This spectrum was obtained by a V-650CA (JASCO Corp.) spectrometer.

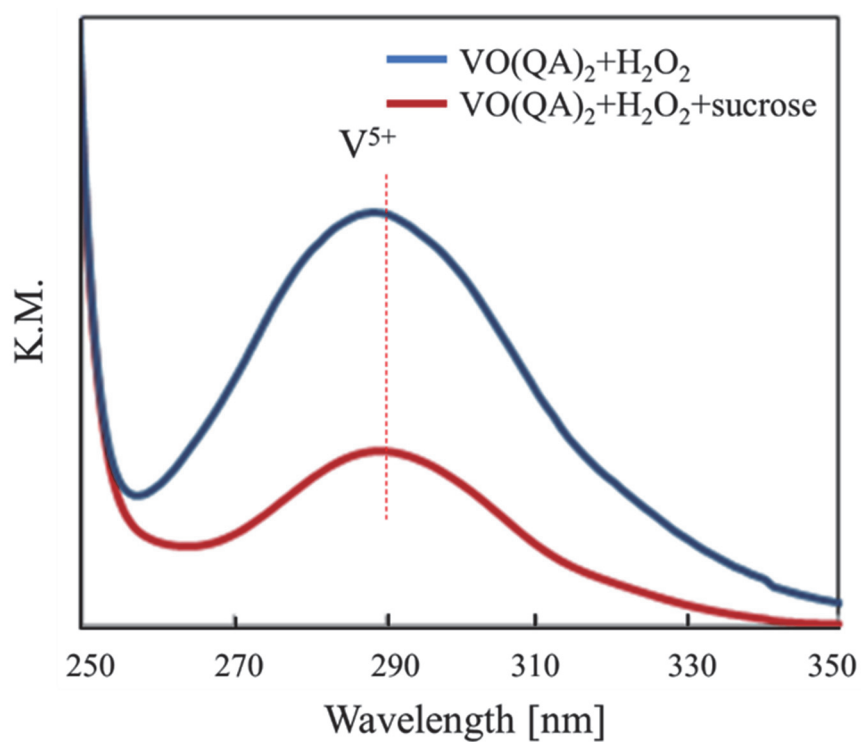


Fig. S2 UV-vis spectrum of V complex with two molecules of quinaldic acid as ligands ($\text{VO}(\text{QA})_2$) with and without sucrose in the hydrogen peroxide aqueous solution. This spectrum was obtained by a V-650CA (JASCO Corp.) spectrometer.