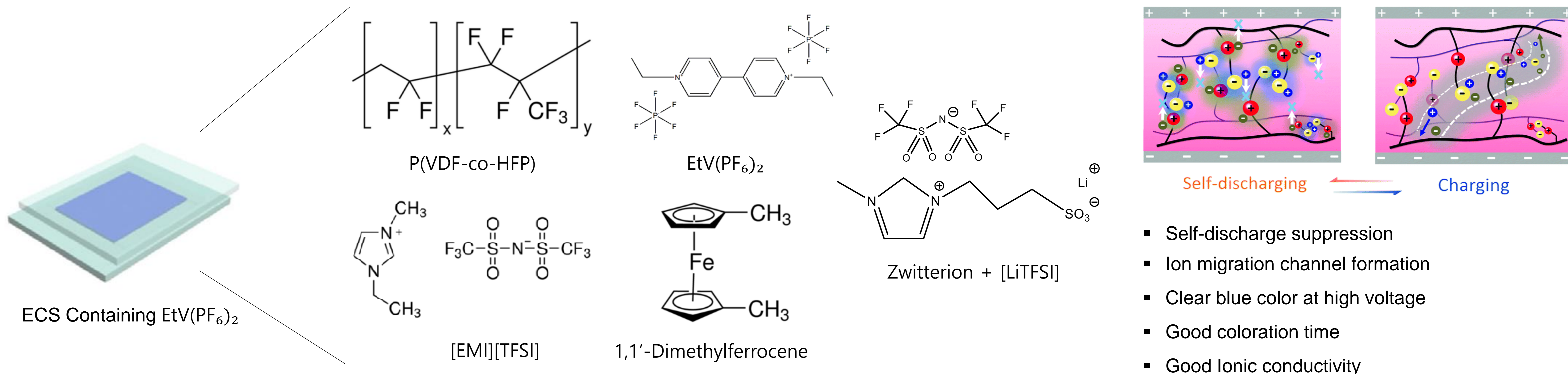


A zwitterionic Gel for Suppressing Self-Bleaching of Electrochromic Supercapacitors

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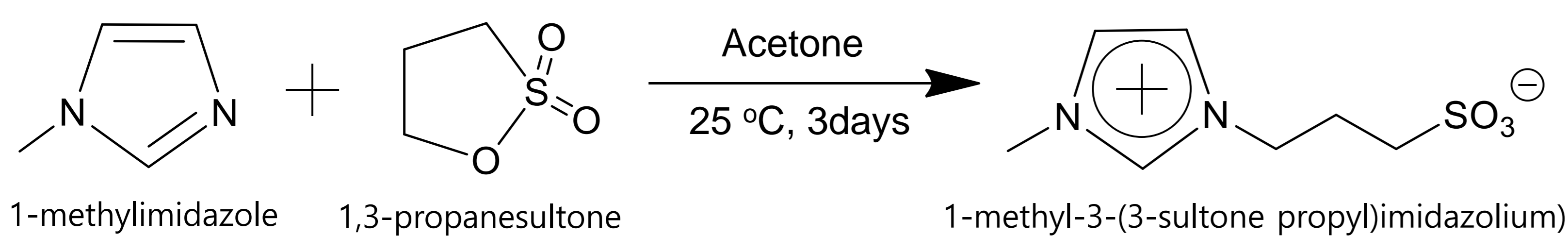
Introduction & Objective



Experimental

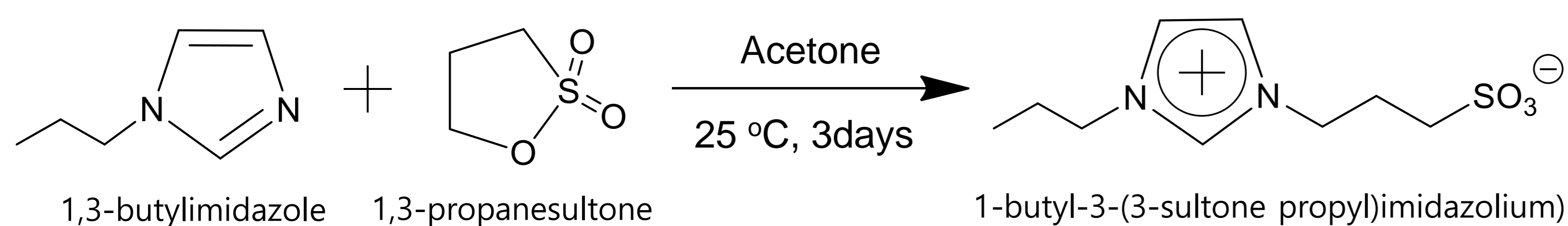
(1)

1	1-Methylimidazole	1,3-propanesultone	Acetone
Molarratio	1	1	/
weight	5g	7.44g	80 ml

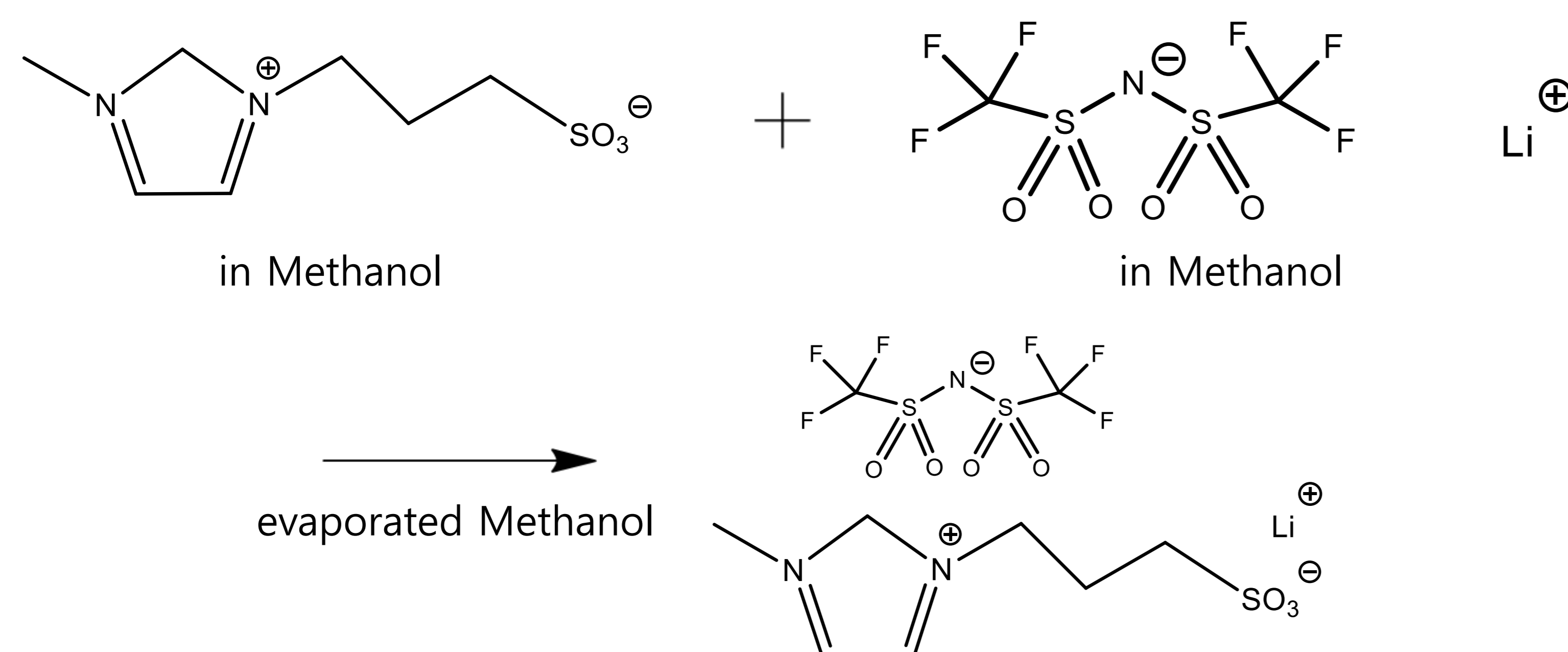


(2)

2	1-Butylimidazole	1,3-propanesultone	Acetone
Molarratio	1	1	/
weight	5g	4.92g	80 ml

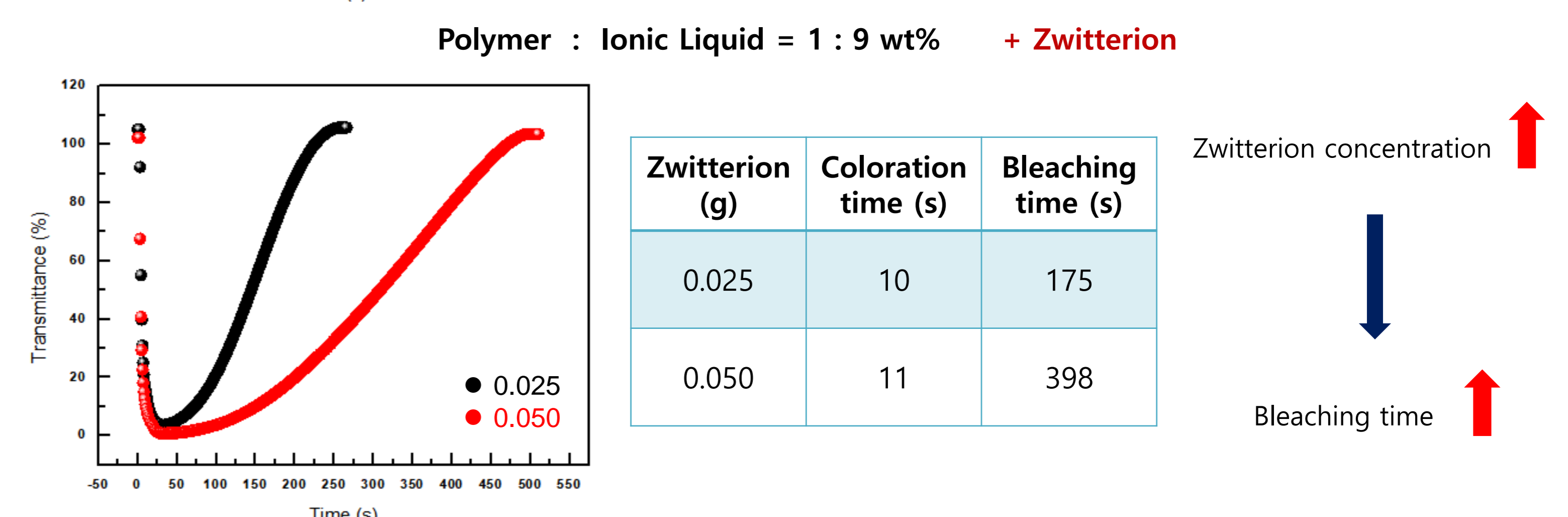
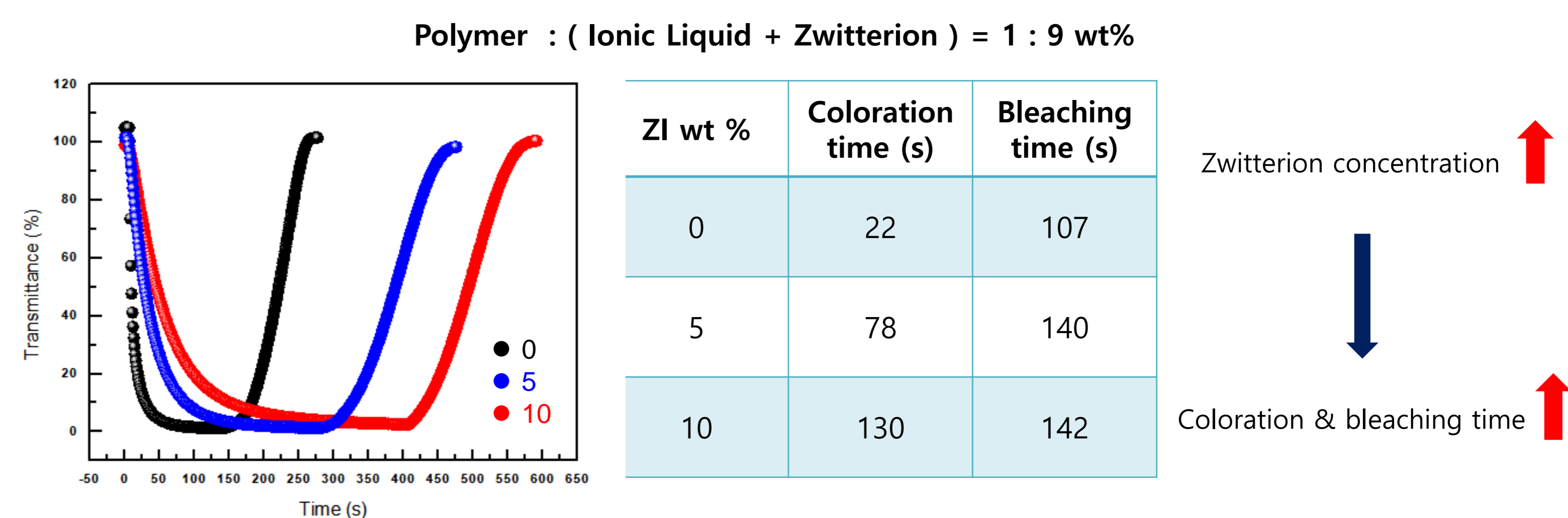


(3)

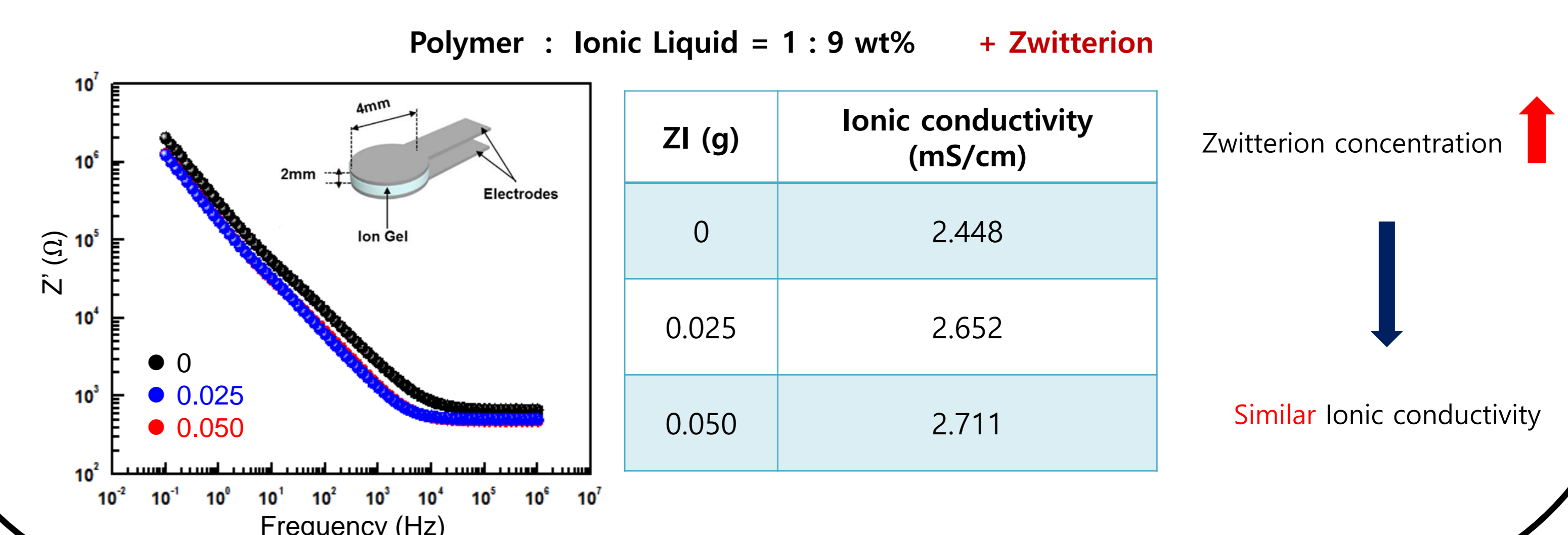
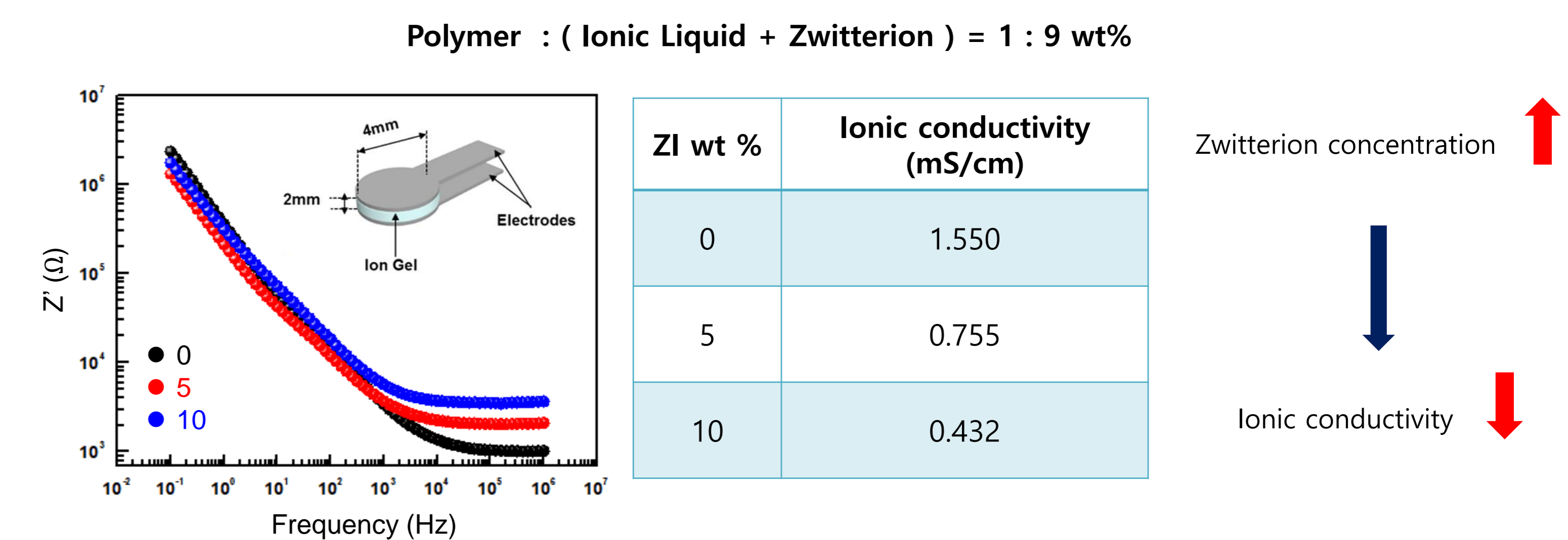


Results and Discussion

1. Kinetic property – open circuit



2. Ionic conductivity



Summary

- We proposed effective strategy to suppress self-bleaching of electrochromic supercapacitors.
- A zwitterionic nature as gel electrolyte brings ion migration channels to the electrolyte ions, leading to superior electrochemical performances.

Acknowledgment