

Collation Efficiency of Poly(Vinyl Alcohol) and Alginate Membranes with Iron-Based Magnetic Organic/Inorganic Fillers in Pervaporative Dehydration of Ethanol

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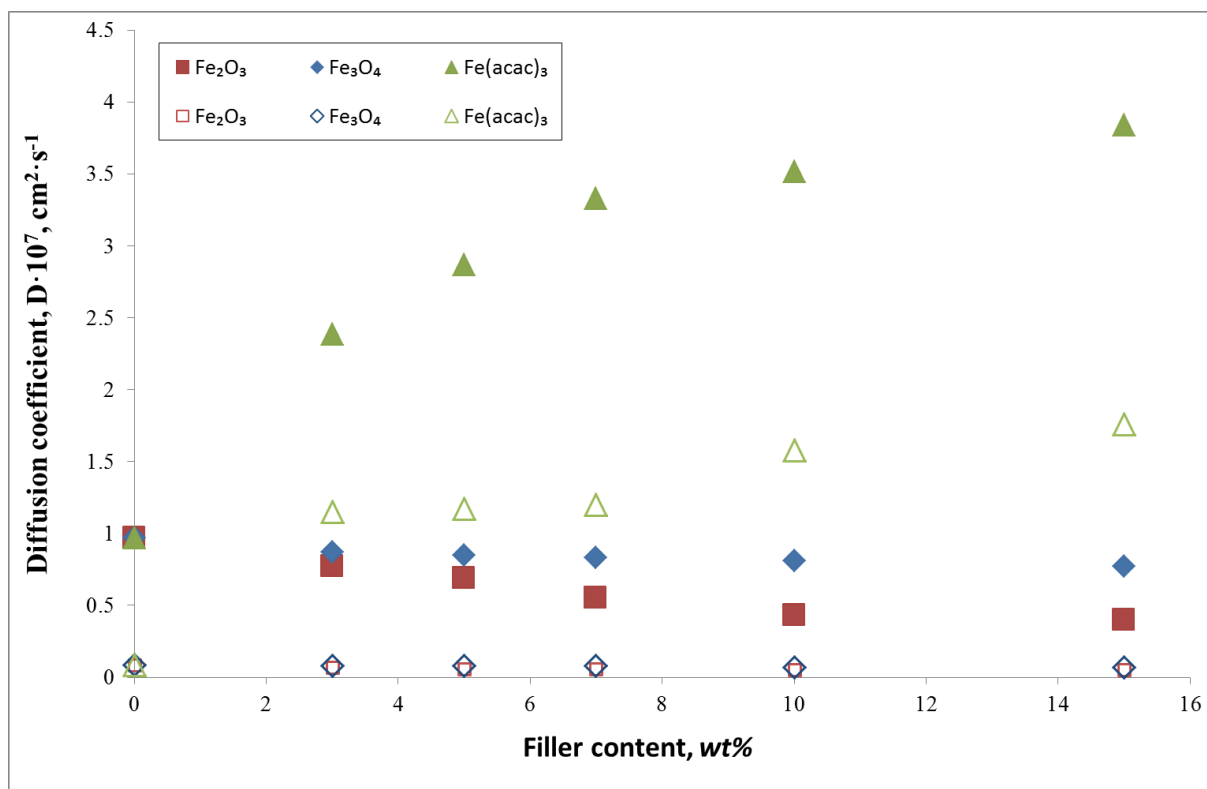


Figure S1. The variation of water (full symbols) and ethanol (blank symbols) diffusion coefficients with increasing content of hematite, magnetite and iron(III) acetylacetonate fillers in ALG membranes.

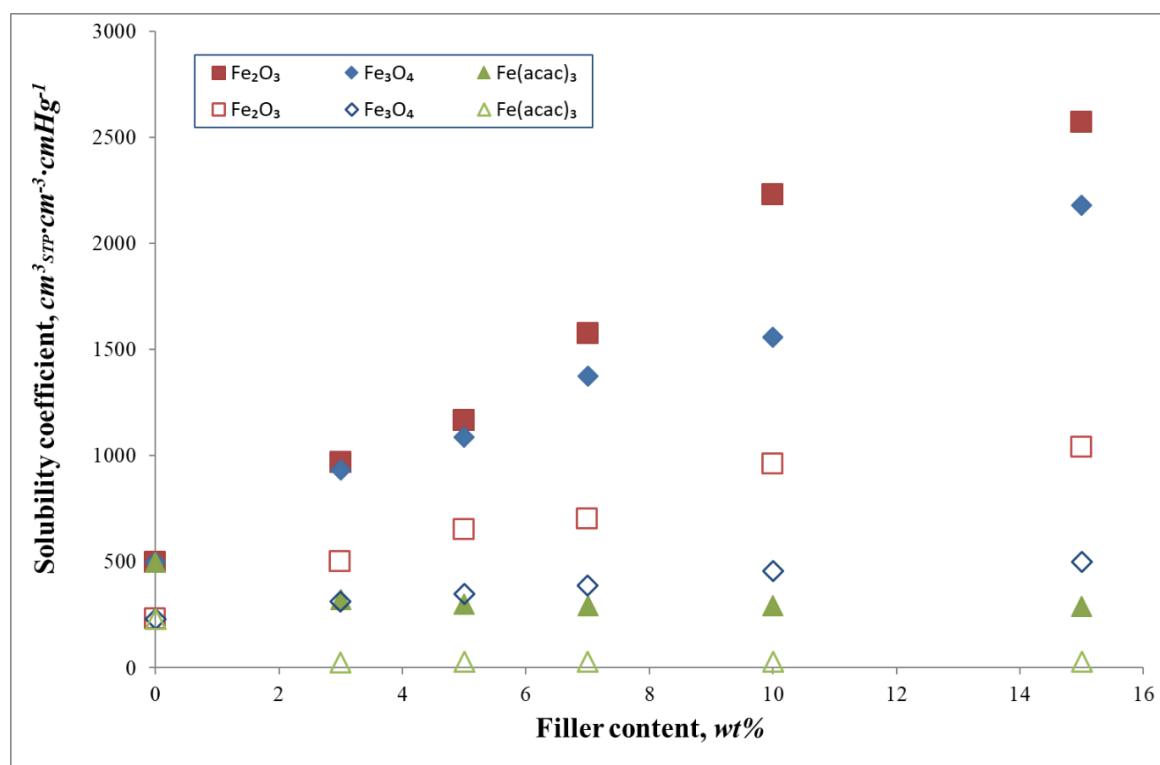


Figure S2. The variation of water (full symbols) and ethanol (blank symbols) solubility coefficients with increasing content of hematite, magnetite and iron(III) acetylacetonate fillers in ALG membranes.

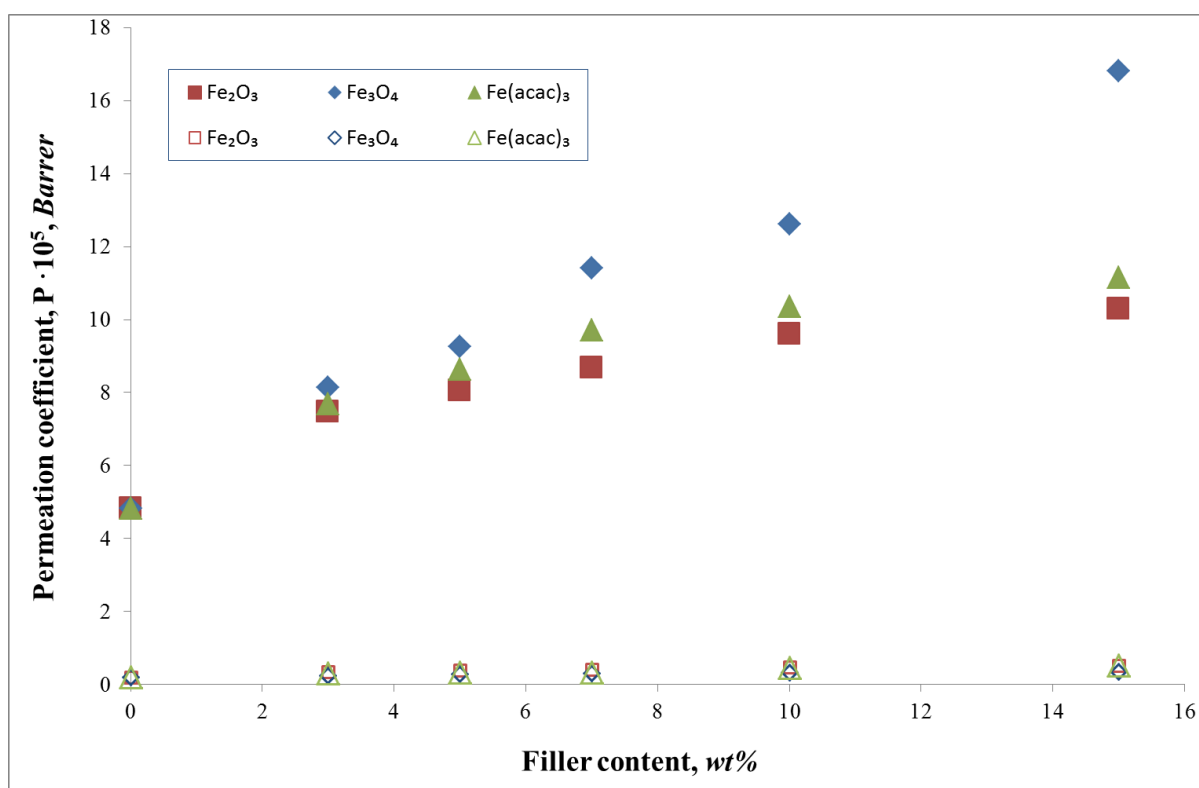


Figure S3. The variation of water (full symbols) and ethanol (blank symbols) permeation coefficients with increasing content of hematite, magnetite and iron(III) acetylacetonate fillers in ALG membranes.

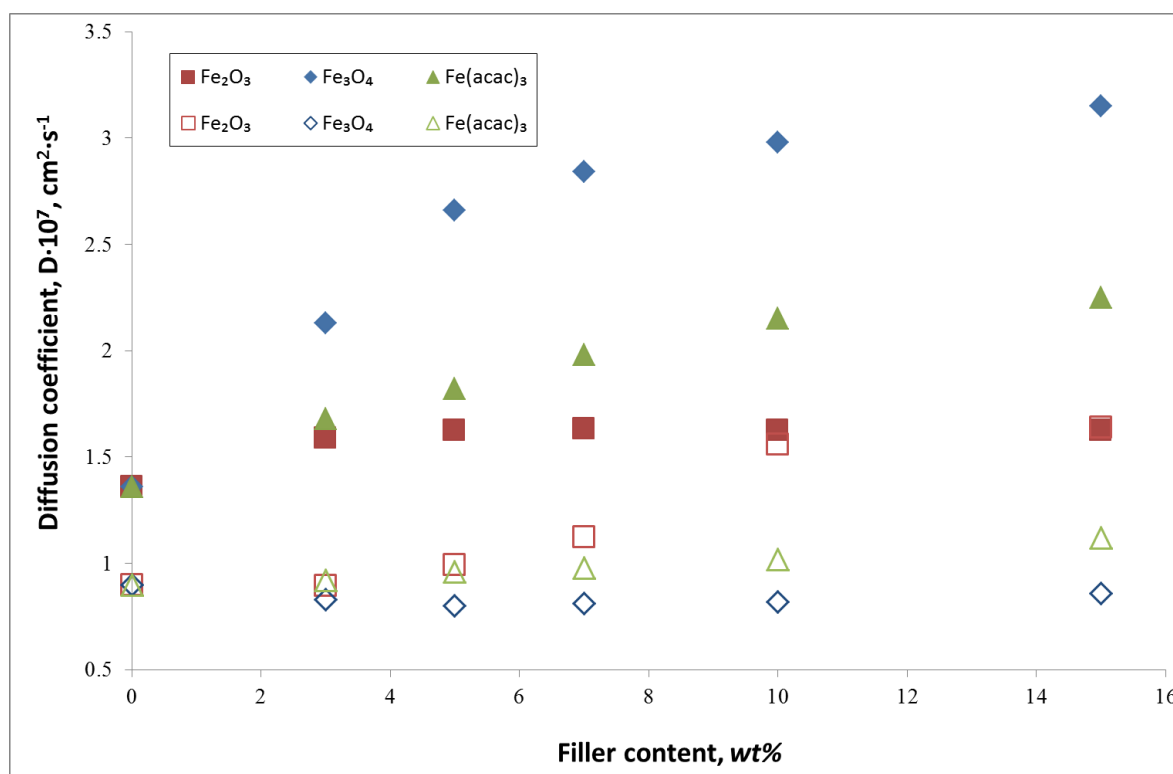


Figure S4. The variation of water (full symbols) and ethanol (blank symbols) diffusion coefficients with increasing content of hematite, magnetite and iron(III) acetylacetonate fillers in PVA membranes.

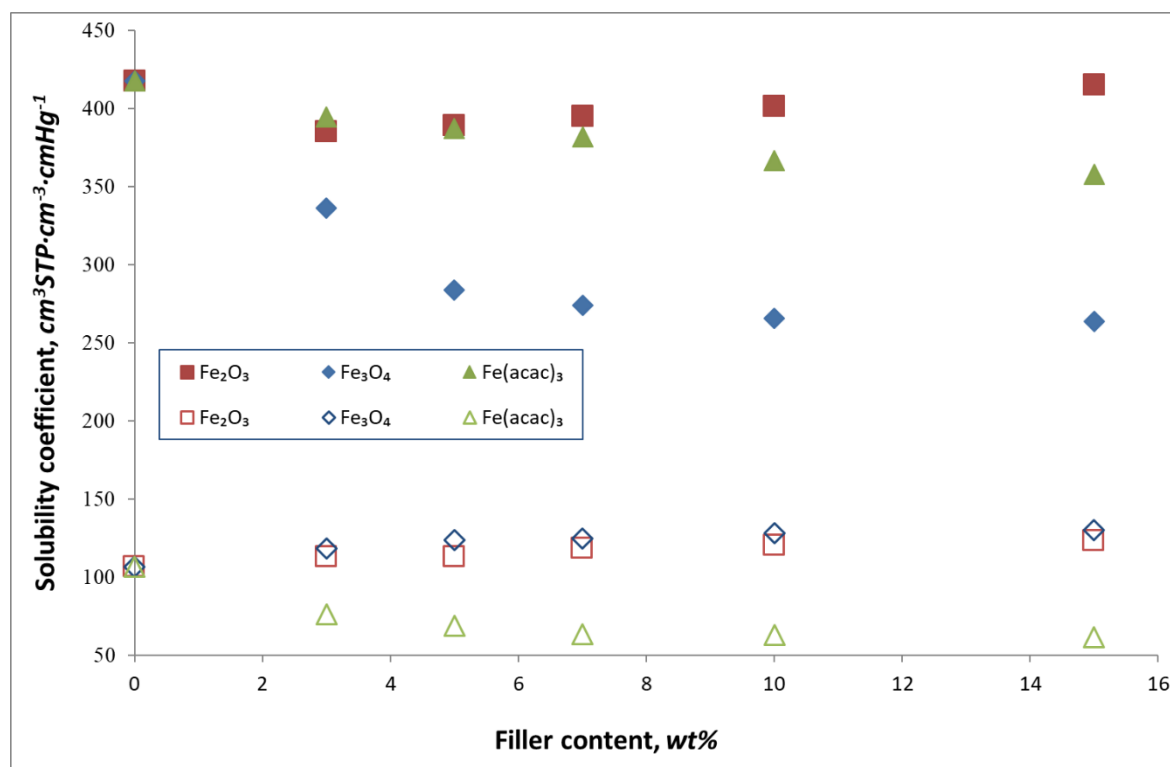


Figure S5. The variation of water (full symbols) and ethanol (blank symbols) solubility coefficients with increasing content of hematite, magnetite and iron(III) acetylacetonate fillers in PVA membranes.

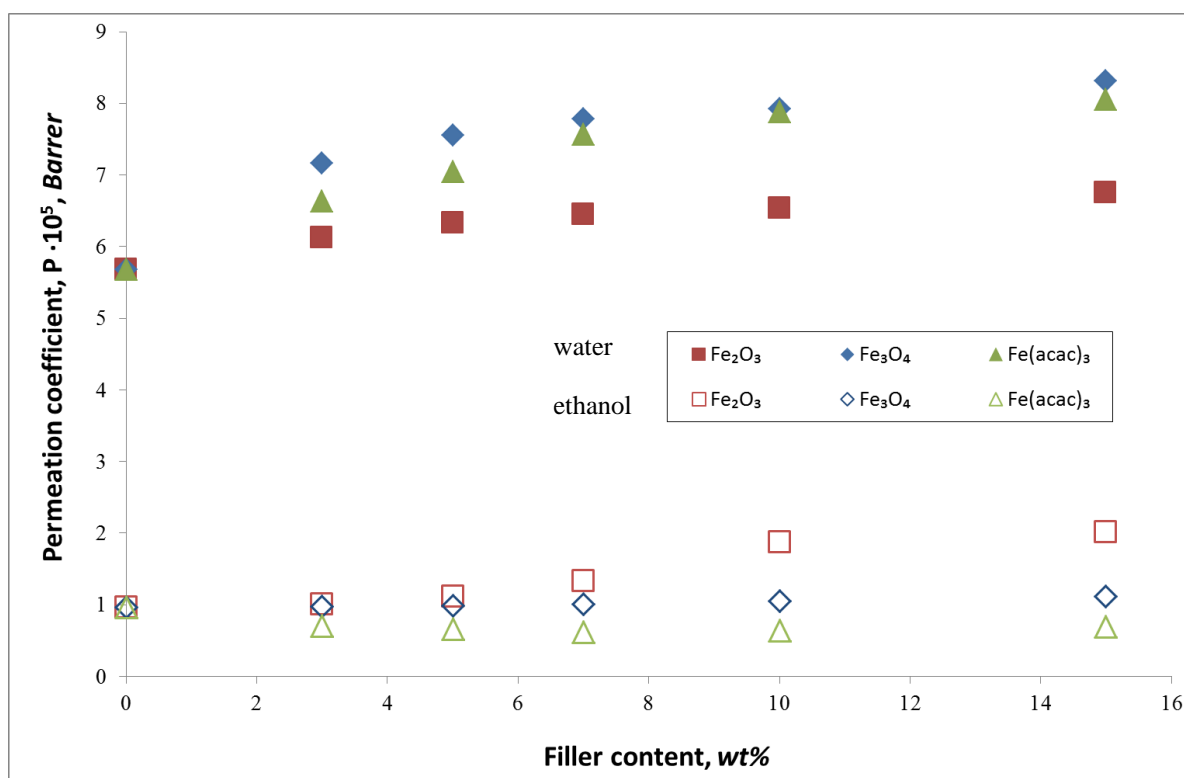


Figure S6. The variation of water (full symbols) and ethanol (blank symbols) permeation coefficients with increasing content of hematite, magnetite and iron(III) acetylacetonate fillers in PVA membranes.