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Review article

Applications of ionic liquids in biphasic separation: aqueous biphasic systems and liquid-liquid equilibria

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Research Highlights

- Applications of ionic liquids (ILs) in biphasic separation is reviewed.
- IL-based aqueous biphasic systems (ABSs) and liquid-liquid equilibria are discussed.
- Phase diagrams of IL-based ABSs are presented.
- Factors influencing biphasic separation in IL-based ABSs are outlined.
- Applications of IL-based ABSs in extraction of biomolecules/metal ions are highlighted.

ABSTRACT

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