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REVIEWS

离子液体研究进展及展望

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摘要 Ionic liquids（ILs）are green solvents that have attracted great attention in recent years due to their unique properties. In this paper the latest progresses in both the fundamental studies and applications of ILs have been summarized, with the emphasis on the topics of physical properties, catalytic reactions, and biochemical engineering. The critical problems in the applications of the ILs have been addresses, and the prospective of the ILs were finally predicted.

关键词 离子液体; 研究进展; 绿色溶剂; 性质; 应用;

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Ionic Liquids: Progress and Prospective

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Abstract Ionic liquids（ILs）are green solvents that have attracted great attention in recent years due to their unique properties. In this paper the latest progresses in both the fundamental studies and applications of ILs have been summarized, with the emphasis on the topics of physical properties, catalytic reactions, and biochemical engineering. The critical problems in the applications of the ILs have been addresses, and the prospective of the ILs were finally predicted.

Key words Ionic liquids; green solvents; properties; applications; review;

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