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Nota di contenuto	Title page; Copyright page; Contents; Coil Conferences; Preface; Acknowledgements; Contributors; Abbreviations; 1: Electrodeposition from Ionic Liquids: Interface Processes, Ion Effects, and Macroporous Structures; 1.1 Introduction; 1.2 Results and Discussion; 1.2.1 Purity Issues; 1.2.2 Interfacial Layers and Scanning Probe Microscopy Studies; 1.2.3 HOPG/[C4mpyr][NTf2]; 1.2.4 Au(111)/[C6mim][FAP]; 1.2.5 Au(111)/[C4mpyr][FAP]; 1.2.6 Influence of the Cation on Aluminium Deposition; 1.2.7 Challenges in the Making of Macroporous Materials; 1.3 Conclusion; References 2: Interfaces of Ionic Liquids (1)2.1 Introduction; 2.2 Liquid/Vacuum and Liquid/Gas Interfaces; 2.3 Liquid/Liquid Interfaces; 2.4 Solid/Liquid and Electrified Solid/Ionic Fluid Interfaces; 2.5 Wetting and Electrowetting Characteristics; 2.6 Summary and Conclusions; Acknowledgements; References; 3: Interfaces of Ionic Liquids (2); 3.1 Introduction; 3.2 The Solid-Ionic Liquid Interface; 3.2.1 Pure Interfaces; 3.2.2 Mica-Ionic Liquid Interfaces; 3.2.3 Sapphire-Ionic Liquid Interfaces; 3.2.4 Silica-Ionic Liquid Interfaces; 3.2.5 Graphite-Ionic Liquid Interfaces

3.2.6 Gold-Ionic Liquid Interfaces 3.2.7 Adsorption at the Solid-Ionic Liquid Interface; 3.3 The Air-Ionic Liquid Interface; 3.3.1 Pure Interfaces; 3.3.2 Interfacial Layer; 3.3.3 Transition Zone Structure; 3.3.4 Relationship between Microscopic Structure of Air-Ionic Liquid Interfaces and Macroscopic Properties; 3.3.5 Surfactant Adsorption at Air-Ionic Liquid Interfaces; 3.4 Liquid-Ionic Liquid Interfaces; 3.4.1 Pure Interfaces; 3.4.2 Adsorption at Liquid-Ionic Liquid Interfaces and Microemulsions; 3.5 Future Directions; Acknowledgements; References; 4: Ionic Liquids in Separation Science  
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5.5.6 Conclusions

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Sommario/riassunto

"The book presents articles on topics at the forefront of ionic liquids research range from applied to theoretical, from synthetic to analytical, from biotechnology to electrochemistry, from process engineering to nanotechnology"--

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