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Nota di contenuto	1. Advanced anode catalysts for direct alcohol fuel cells / Youjun Fan, Junming Zhang, Qingyu Li, and Jiujun Zhang -- 2. Multimetallic nanocatalysts for anodic reaction in direct alcohol fuel cell / Jayati Datta -- 3. Understanding electrocatalytic activity enhancement of bimetallic nanoparticles to ethanol electro-oxidation reaction / Yixuan Wang and Zhenfeng Xu -- 4. Theoretical aspects of gold nanocatalyst for ethanol and glucose oxidation / Takayoshi Ishimoto and Michihisa Koyama -- 5. Proton transport and design of proton electrolyte membranes for direct alcohol fuel cells / Liuming Yan and Baohua Yue -- 6. Nanomaterials for oxygen reduction reaction (ORR) / R.K. Singh, F.G.S. Wasim, and M. Neergat -- 7. Advances in understanding the effects on the ethanol electro-oxidation reaction / Yixuan Wang.