



Coatings

an Open Access Journal by MDPI

CiteScore: 5.4

Impact Factor: 2.8

Special Issue Reprint

Coatings for Advanced Devices

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This Reprint highlights the transformative role of cutting-edge coating technologies in shaping the next generation of high-performance electronic devices. From micro-electronics and optoelectronics to wearable healthcare technologies and next-generation displays, the reliability and performance of cutting-edge devices hinge on the precision and durability of these critical interfaces. As industries confront increasingly harsh operating environments, the development of novel coating materials, innovative deposition techniques, and robust adhesion strategies has become paramount. In this reprint, leading scientists and engineers share emerging challenges and breakthroughs in thin film technology. Contributions span the optimization of interfacial adhesion, the design of adaptive coatings for extreme conditions, and the integration of scalable manufacturing processes. By bridging fundamental research of coating technologies with industrial applications, this Reprint envisions a future where advanced devices achieve unprecedented reliability, efficiency, and versatility. We invite readers to delve into the transformative impact of pioneering thin film/substrate systems in advanced devices, as they redefine the boundaries of electronics, energy, and beyond, ushering in an era where technology and sustainability flourish in harmony.

